

Appendix Test Data

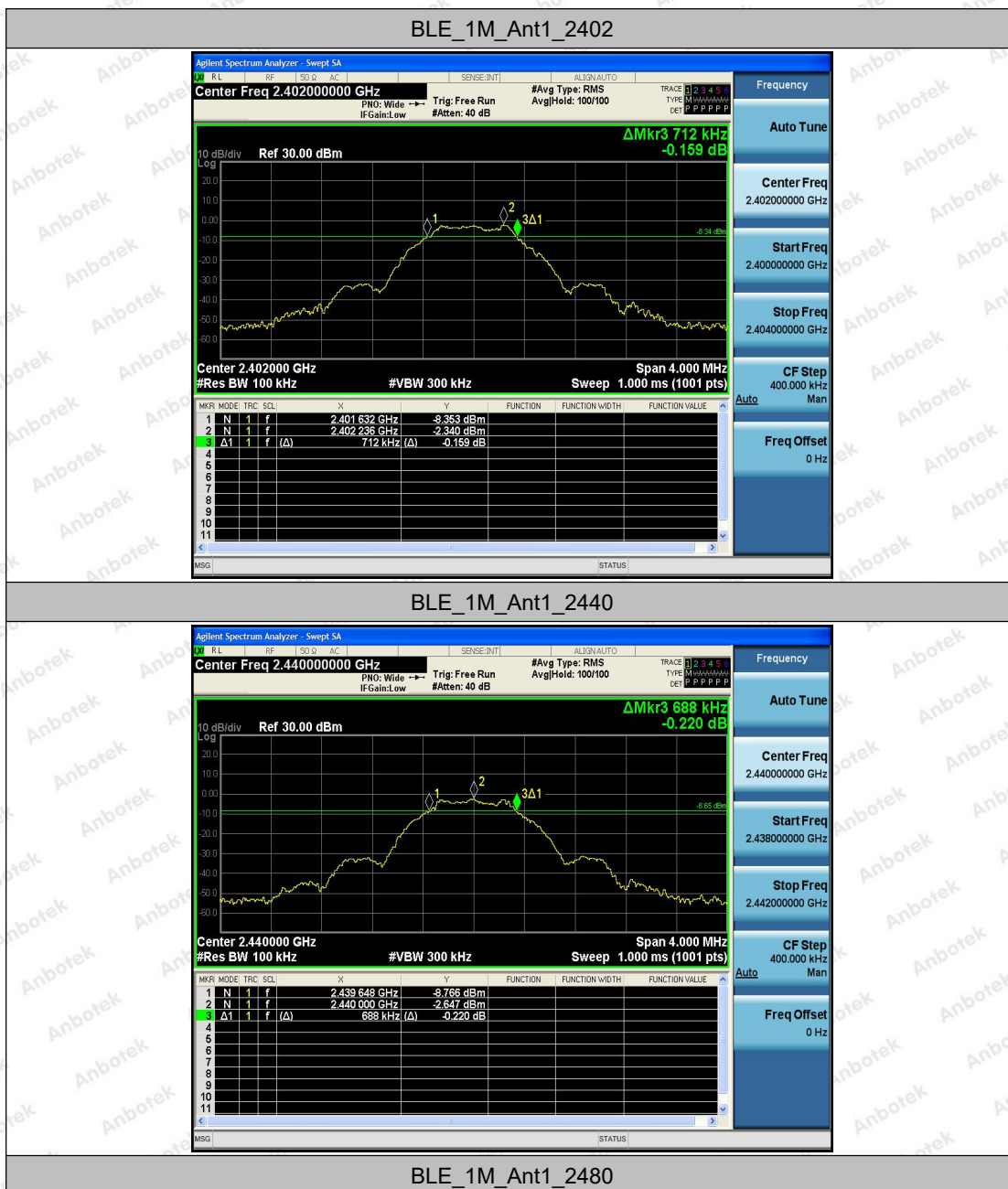
Report No.:	18220WC10238901	Test Sample No.:	1-2-2
Start Test Date:	2021.11.18	Finish Test Date:	2021.11.19
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.632	2402.344	≥0.5	PASS
		2440	0.688	2439.648	2440.336	≥0.5	PASS
		2480	0.688	2479.640	2480.328	≥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	1.0319	2401.489	2402.521	---	PASS
		2440	1.0297	2439.489	2440.519	---	PASS
		2480	1.0291	2479.492	2480.521	---	PASS

Test Graphs



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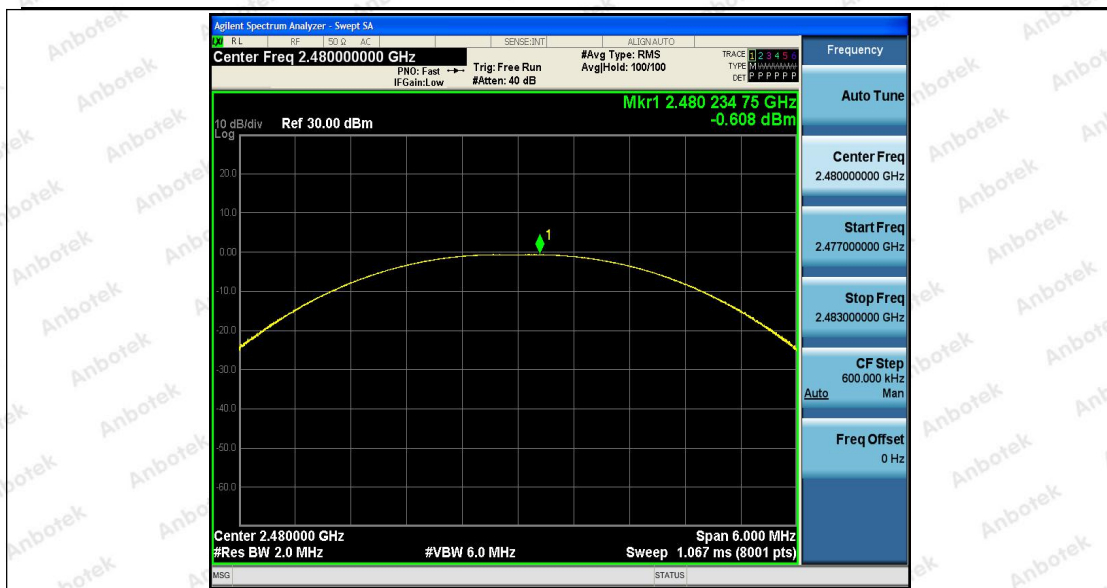
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.97	≤30	PASS
		2440	-1.72	≤30	PASS
		2480	-0.61	≤30	PASS



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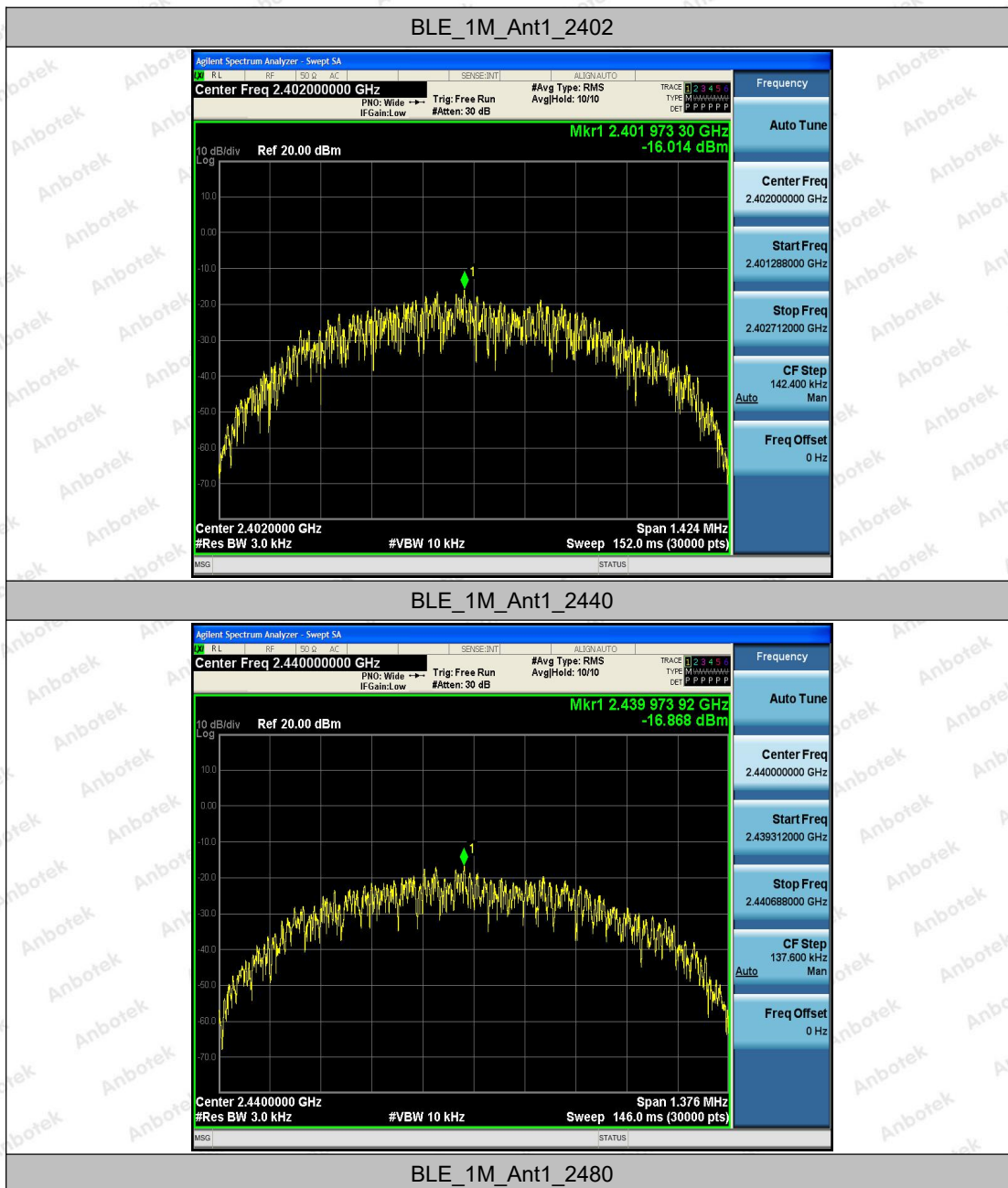
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.01	≤8	PASS
		2440	-16.87	≤8	PASS
		2480	-15.52	≤8	PASS

Test Graphs

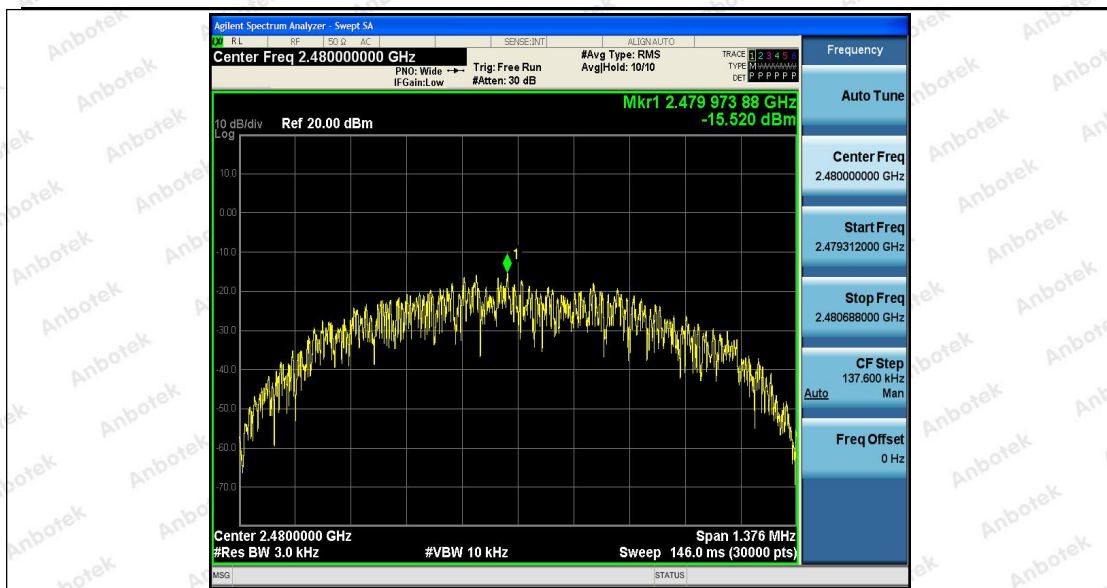


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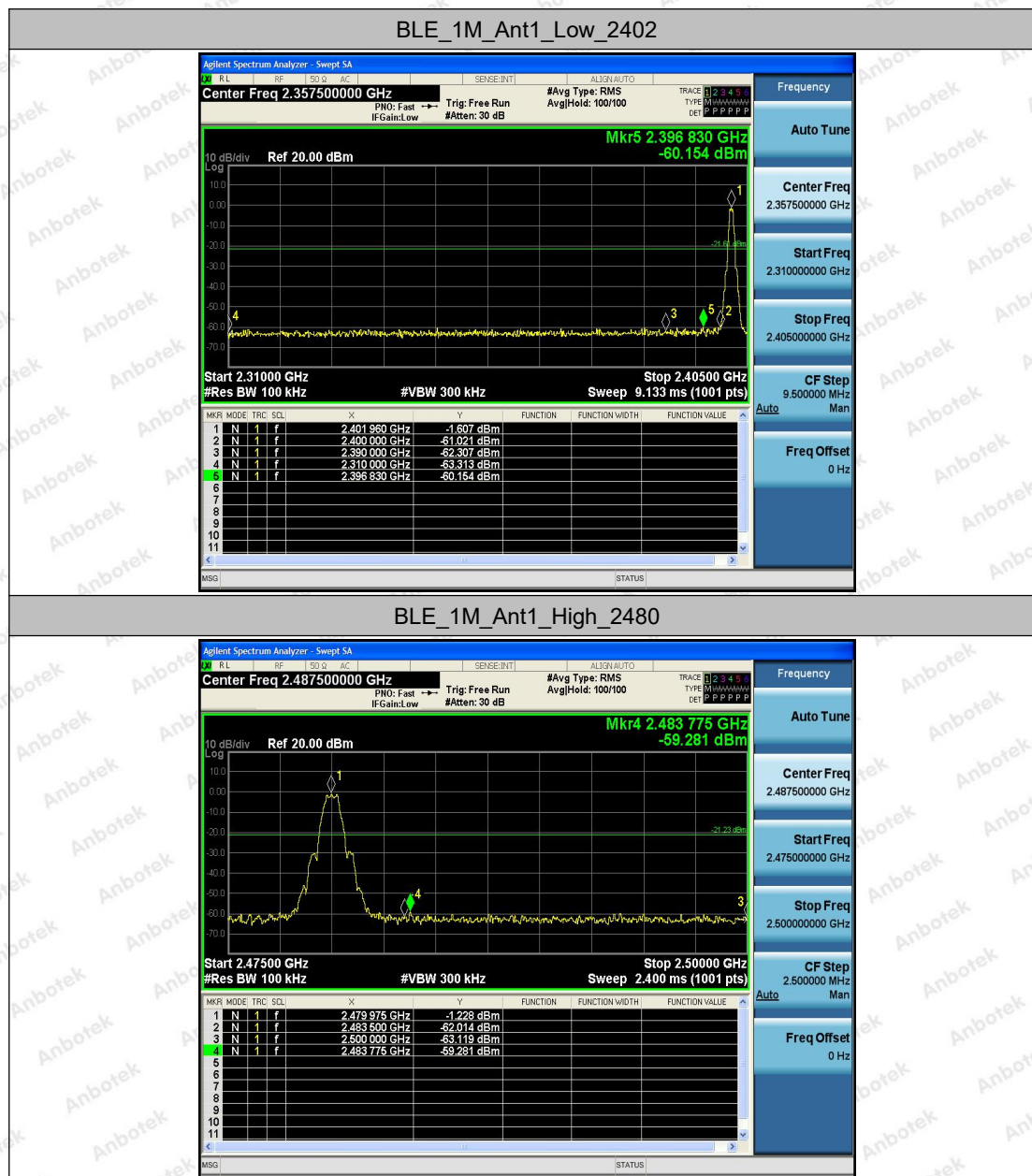
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.61	-60.15	≤ -21.61	PASS
		High	2480	-1.23	-59.28	≤ -21.23	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

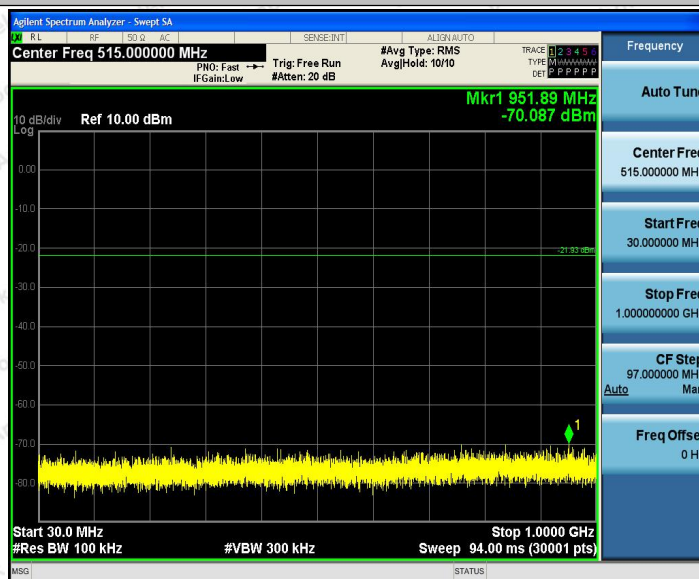
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-70.09	≤-21.93	PASS
			1000~265 00	-1.93	-44.4	≤-21.93	PASS
		2440	Reference	-2.58	-2.58	---	PASS
			30~1000	-2.58	-69.62	≤-22.58	PASS
			1000~265 00	-2.58	-47.81	≤-22.58	PASS
		2480	Reference	-1.55	-1.55	---	PASS
			30~1000	-1.55	-70.6	≤-21.55	PASS
			1000~265 00	-1.55	-47.88	≤-21.55	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



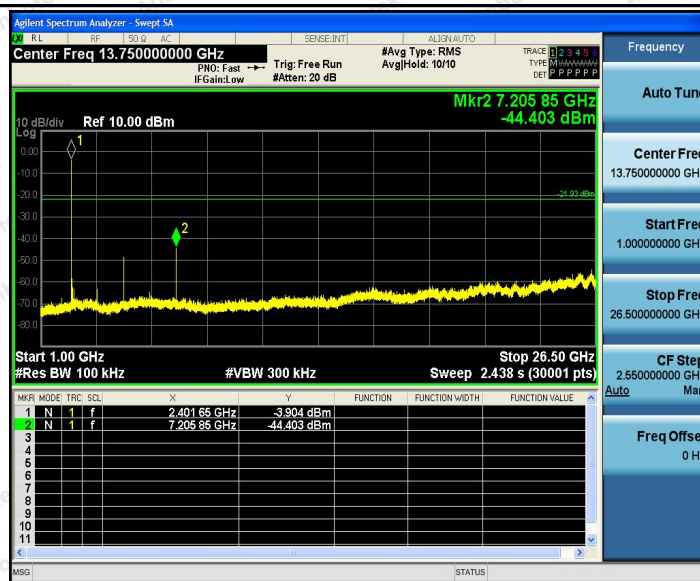
BLE_1M_Ant1_2402_1000~26500

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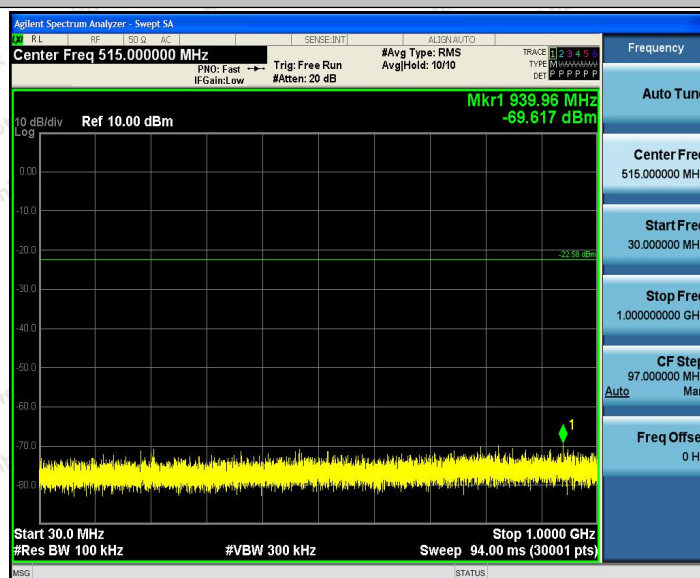
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



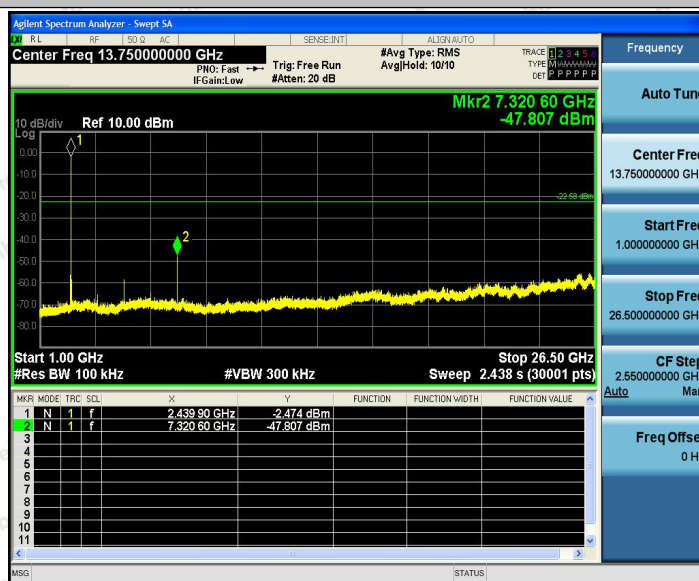
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



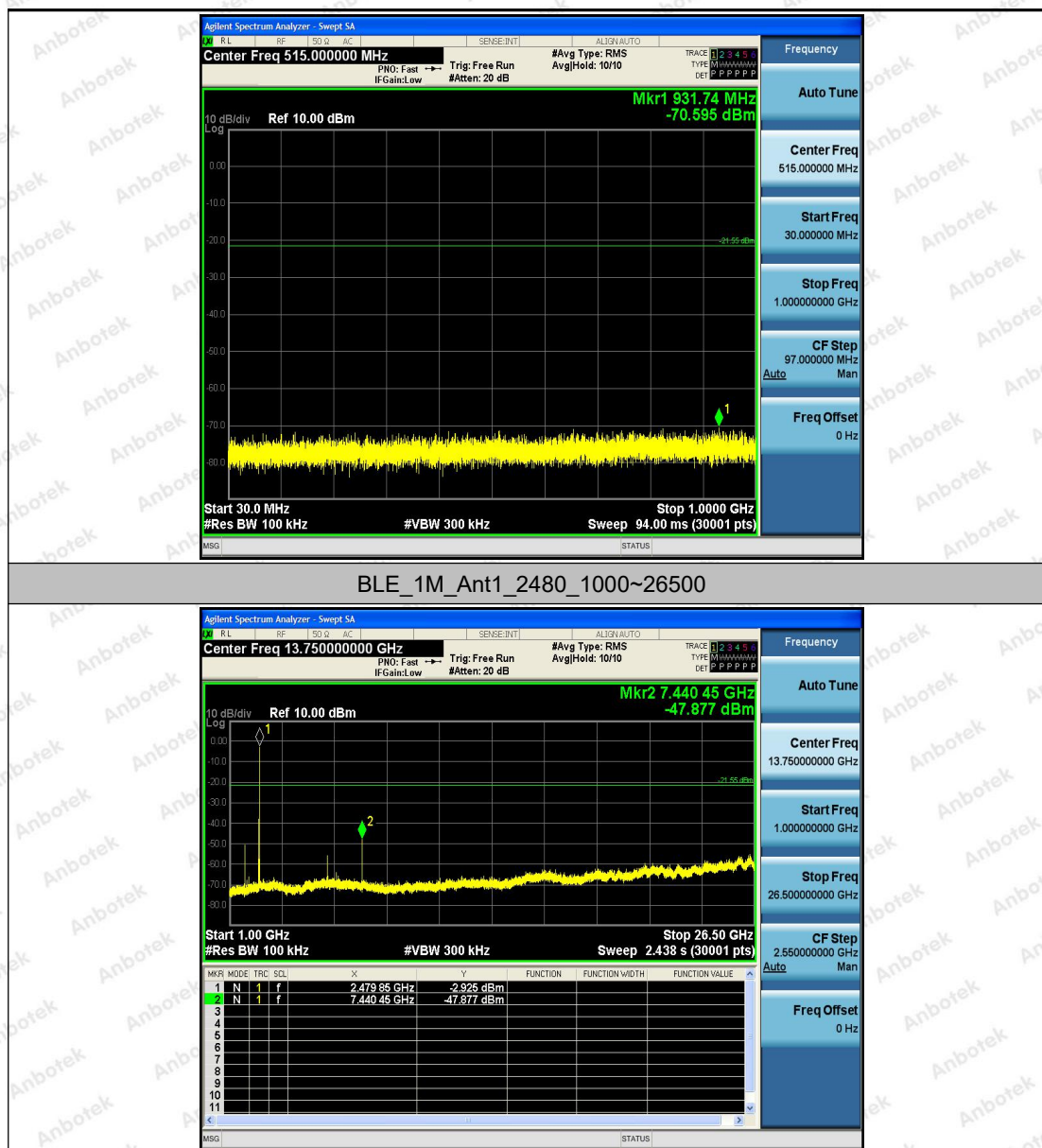
BLE_1M_Ant1_2480_30~1000

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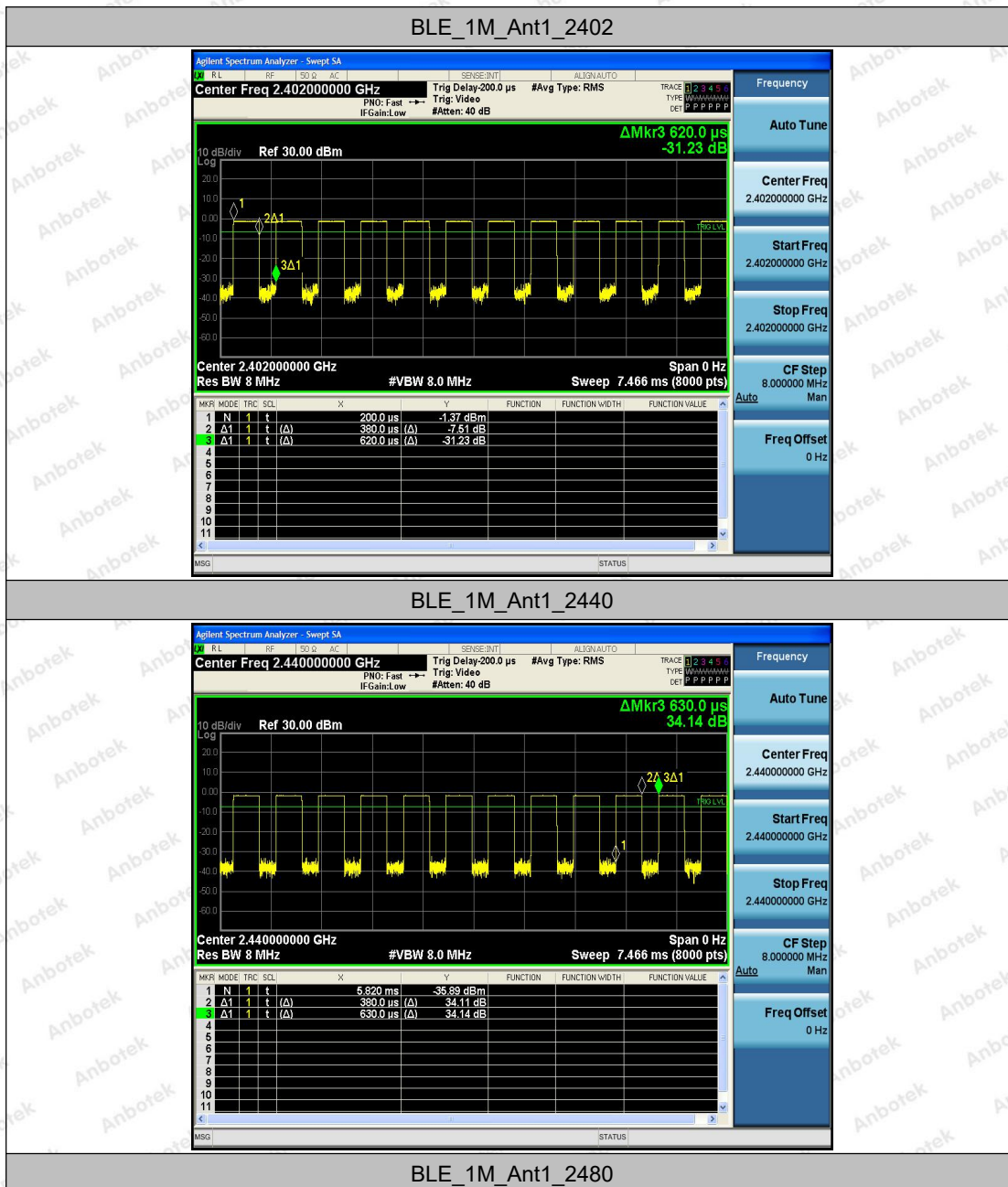
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Appendix G: Duty Cycle

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	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs



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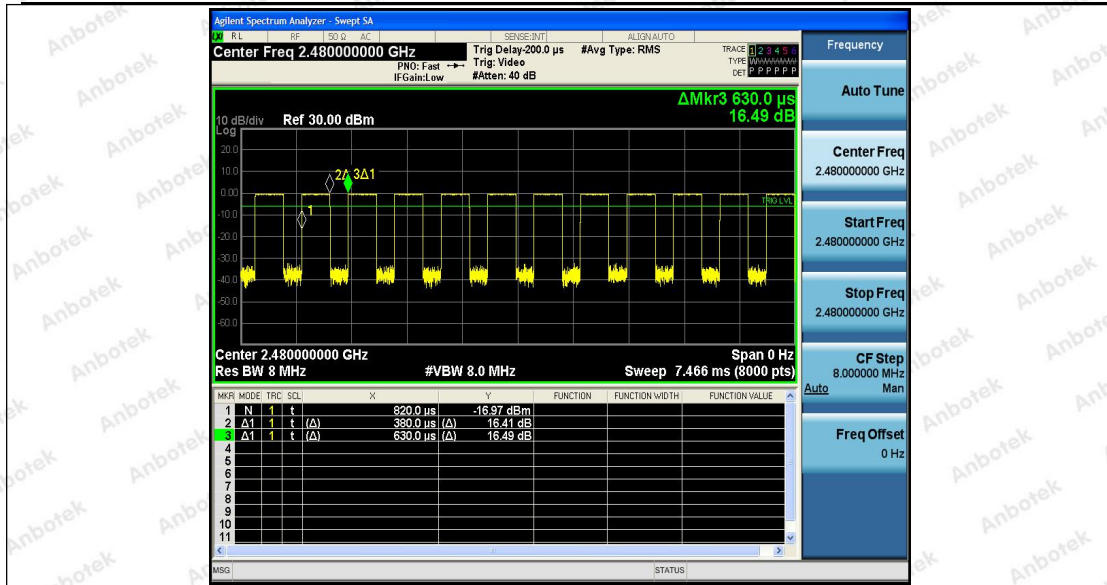
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