

Appendix Test Data

Report No.:	18220WC10203001	Test Date:	2021.9.10
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	56.5 %
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	2401.652	2402.340	≥0.5	PASS
		2440	0.704	2439.652	2440.356	≥0.5	PASS
		2480	0.704	2479.656	2480.360	≥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	1.0627	2401.480	2402.543	---	PASS
		2440	1.0619	2439.485	2440.547	---	PASS
		2480	1.0635	2479.488	2480.552	---	PASS

Test Graphs



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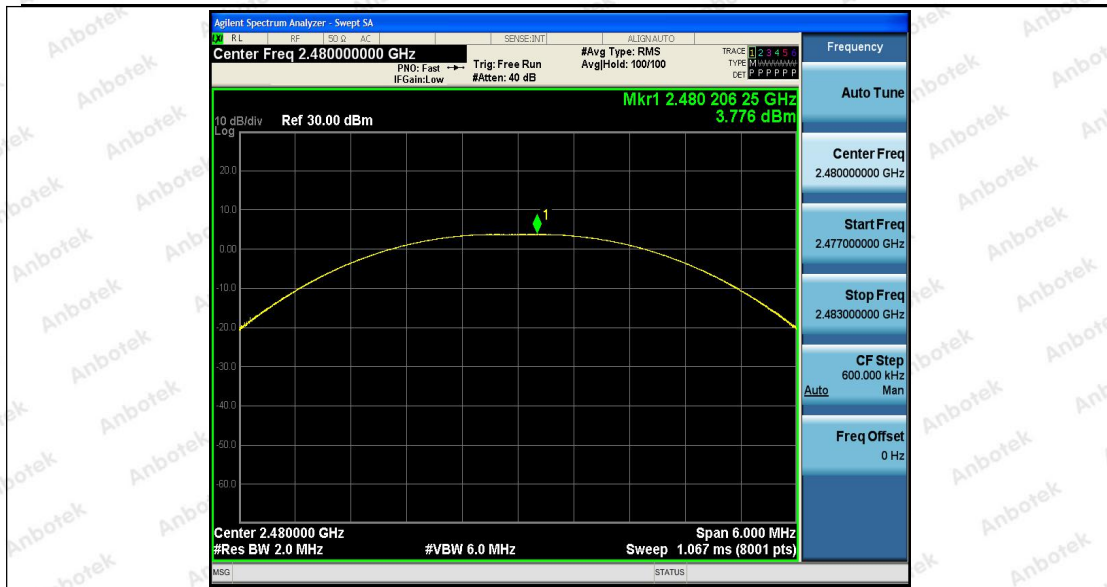
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.53	≤30	PASS
		2440	3.89	≤30	PASS
		2480	3.78	≤30	PASS



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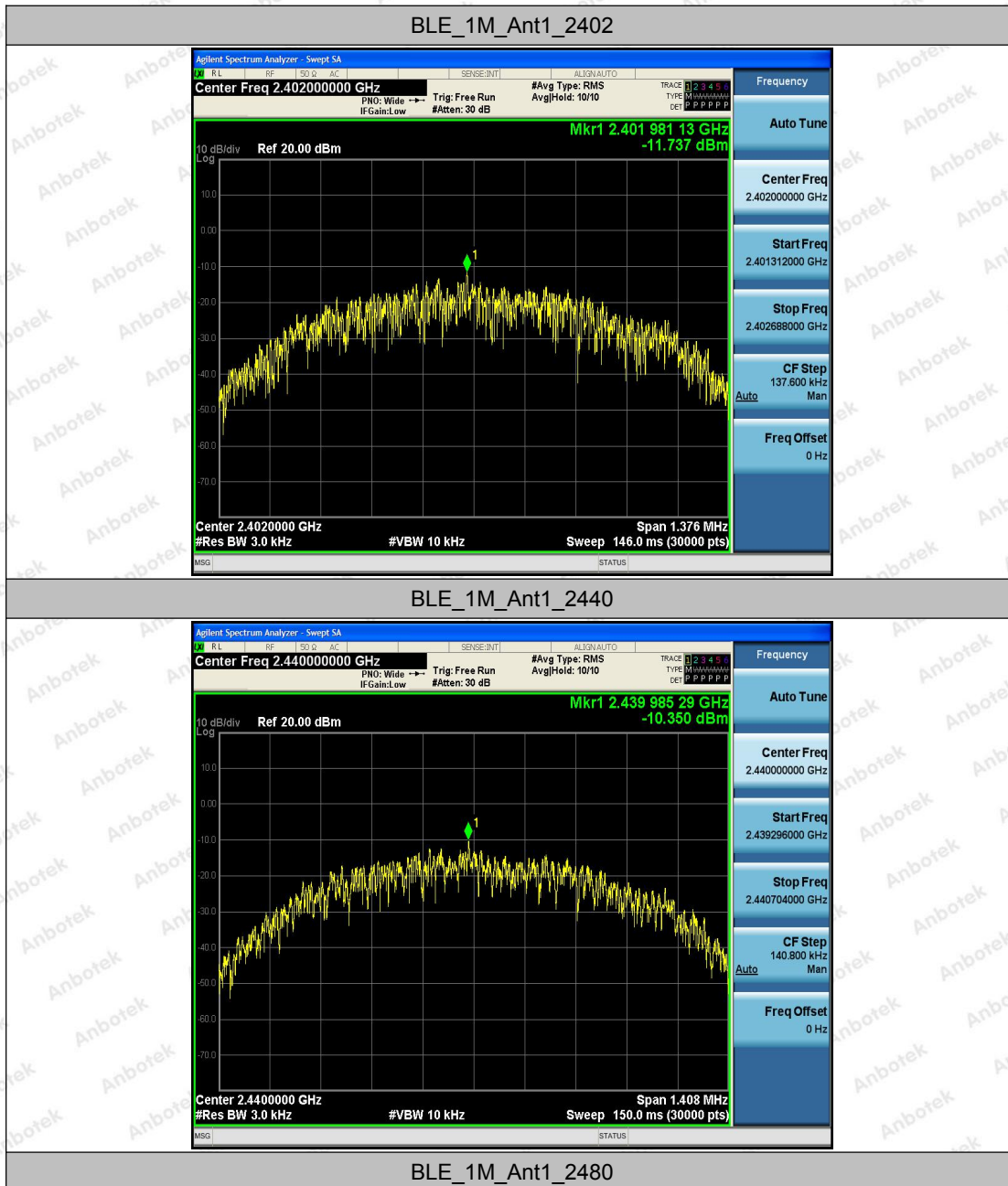
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.74	≤8	PASS
		2440	-10.35	≤8	PASS
		2480	-10.43	≤8	PASS

Test Graphs



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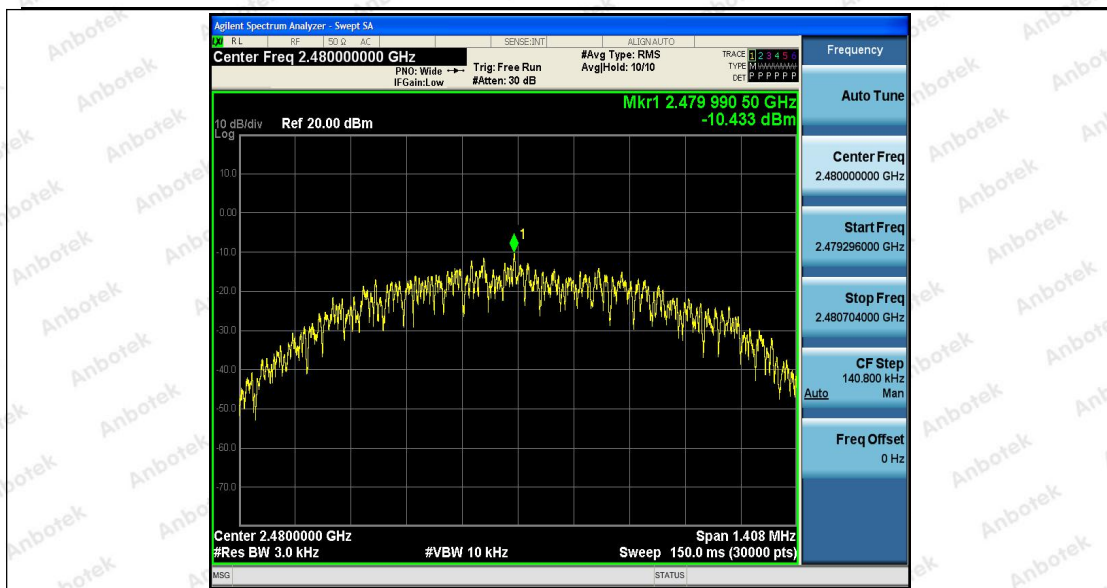
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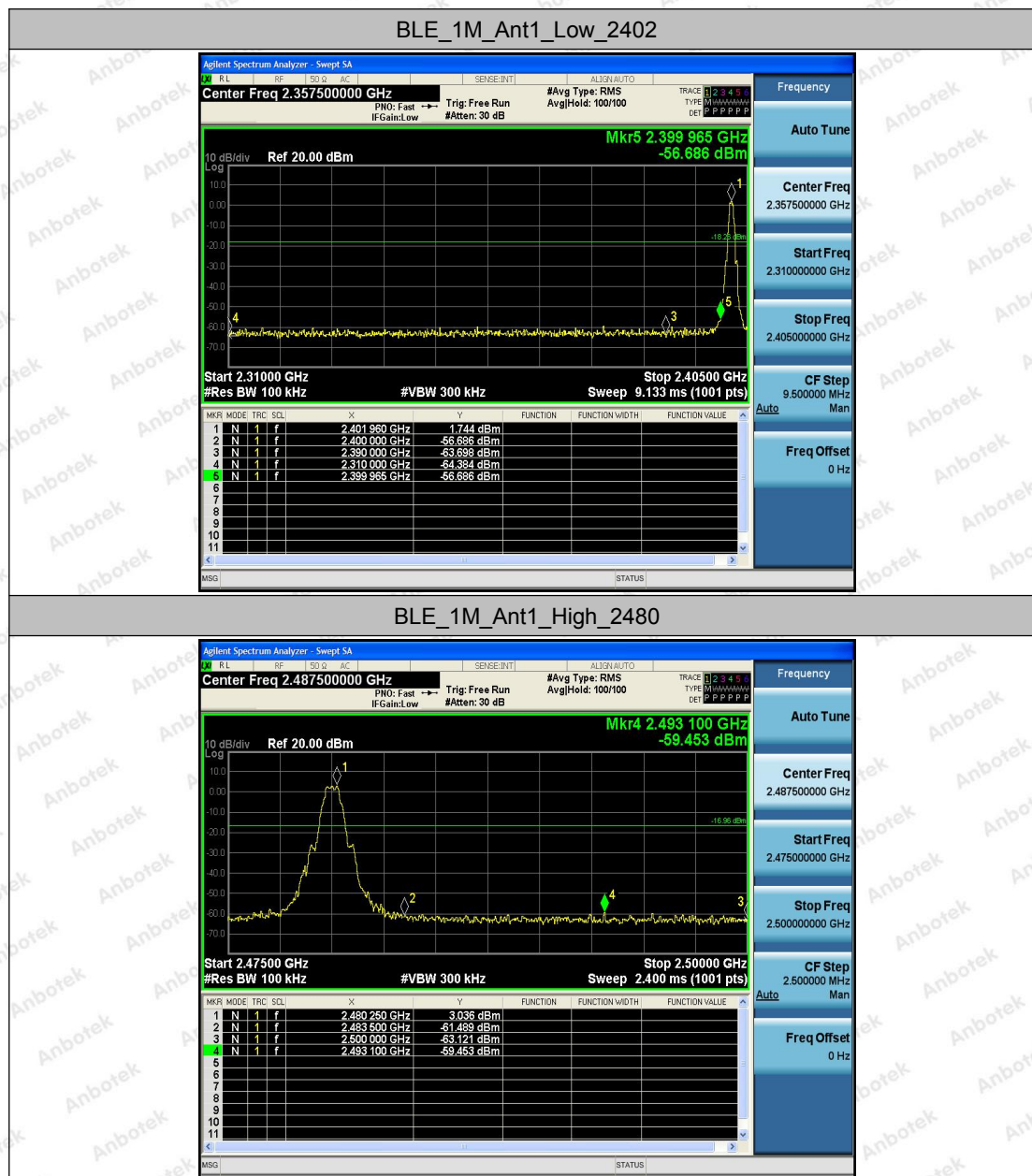
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.74	-56.69	≤-18.26	PASS
		High	2480	3.04	-59.45	≤-16.96	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

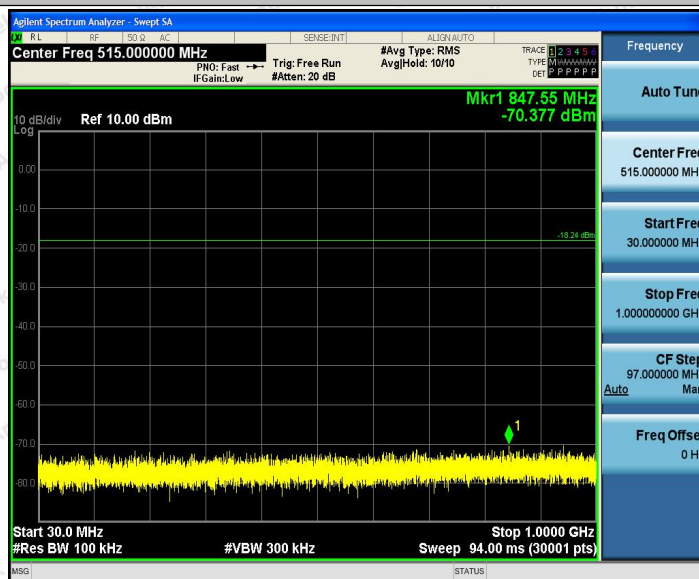
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.76	1.76	---	PASS
			30~1000	1.76	-70.38	≤-18.24	PASS
			1000~265 00	1.76	-55.85	≤-18.24	PASS
		2440	Reference	3.17	3.17	---	PASS
			30~1000	3.17	-70.52	≤-16.83	PASS
			1000~265 00	3.17	-55.55	≤-16.83	PASS
		2480	Reference	3.10	3.10	---	PASS
			30~1000	3.10	-69.72	≤-16.91	PASS
			1000~265 00	3.10	-54.92	≤-16.91	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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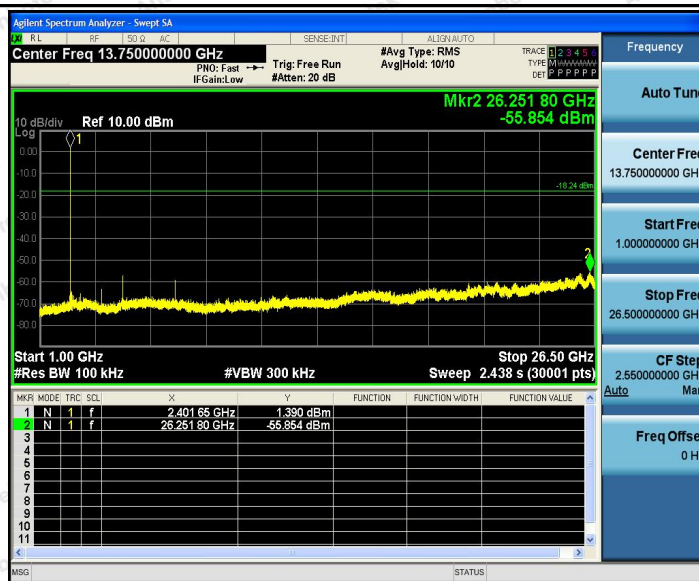
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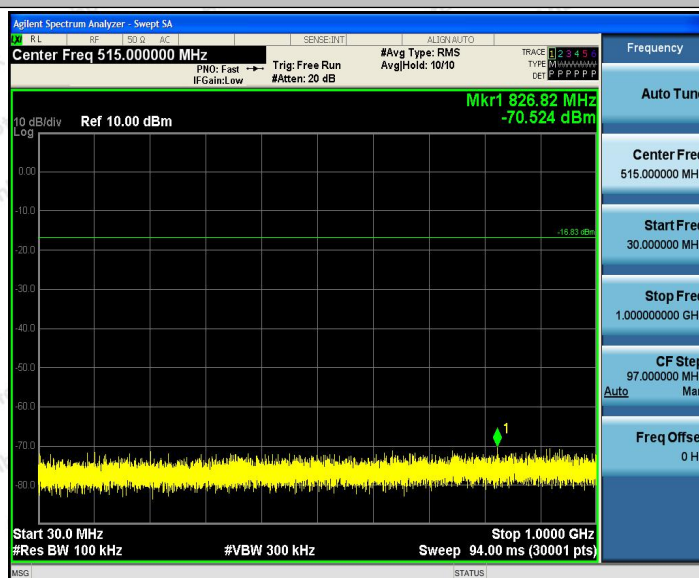
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



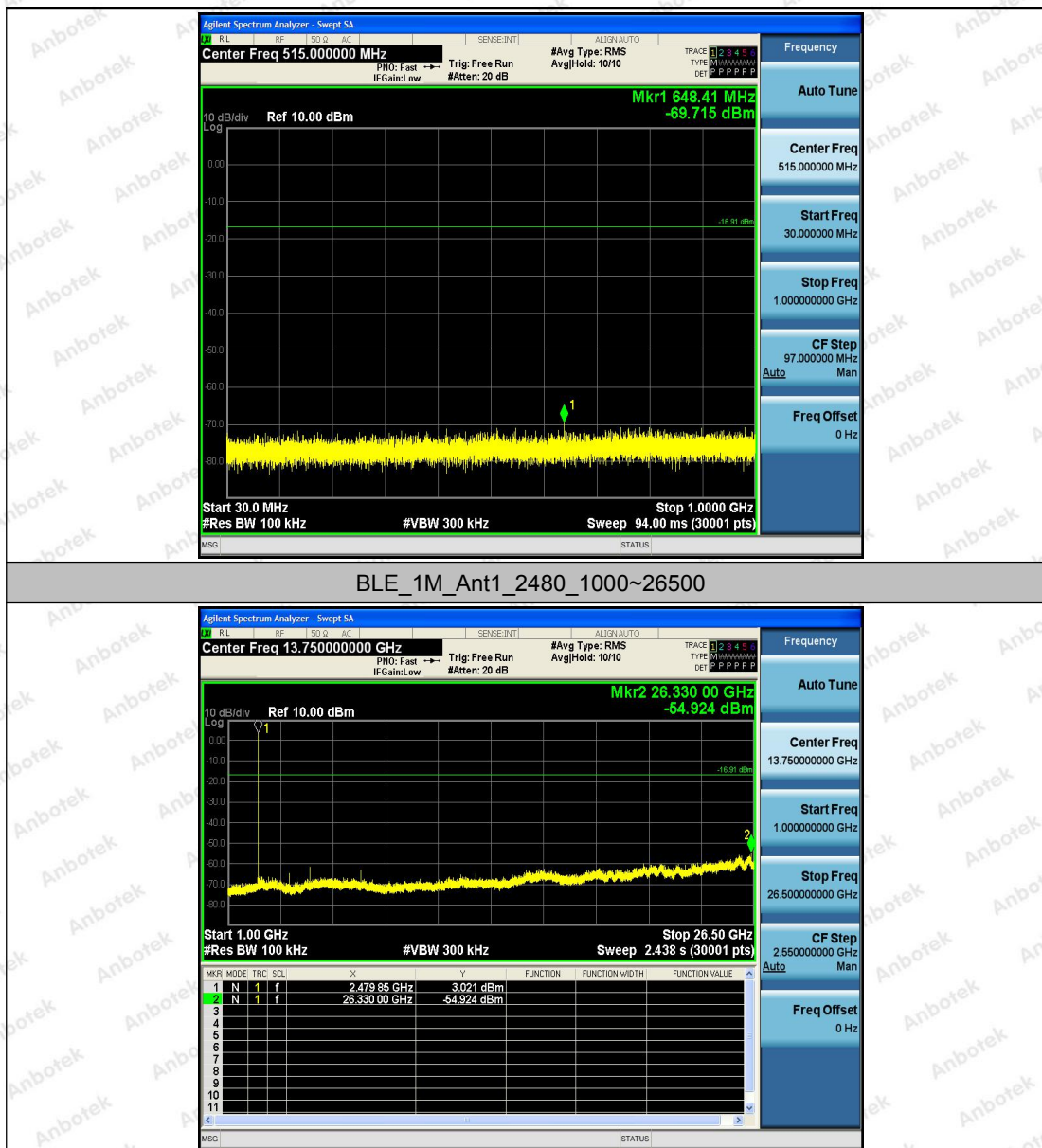
BLE_1M_Ant1_2480_30~1000

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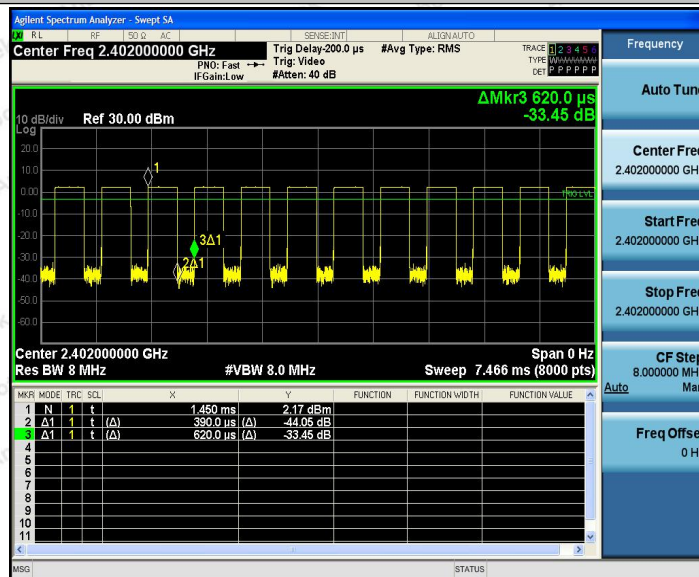
Appendix G: Duty Cycle

Test Result

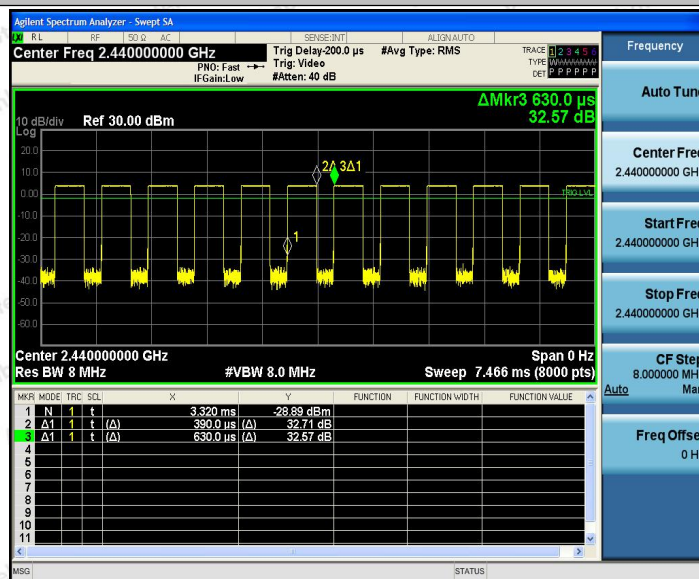
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	0.629 0	62.90	2.01	---	PASS
		2440	0.39	0.63	0.619 0	61.90	2.08	---	PASS
		2480	0.39	0.63	0.619 0	61.90	2.08	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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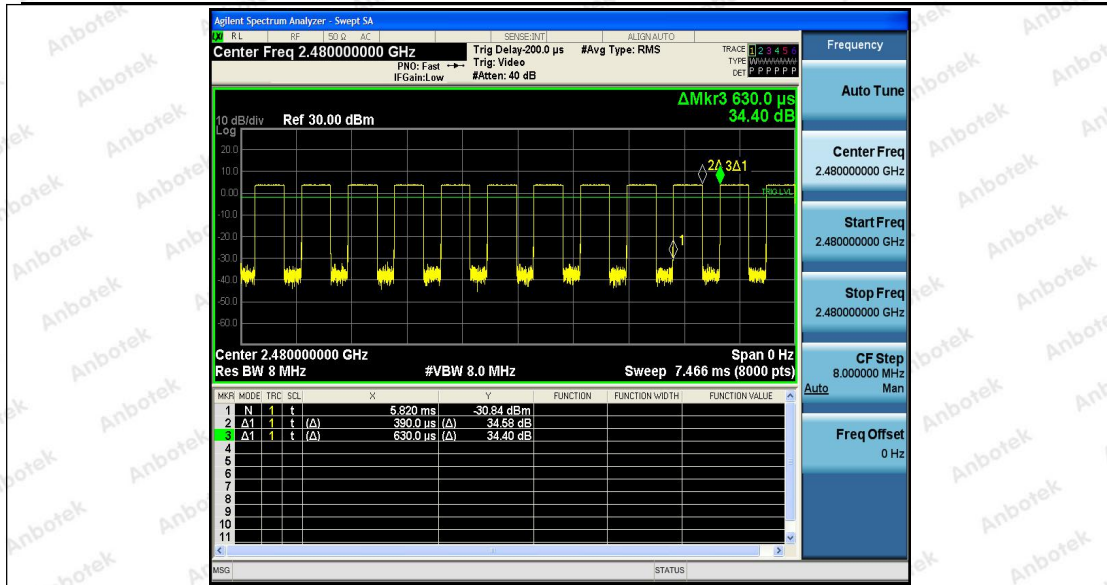
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