

Appendix Test Data

Report No.:	18220WC20001803	Test Sample No.:	1-2-2
Start Test Date:	2022.1.7	Finish Test Date:	2022.1.25
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.2%
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	0.700	2401.636	2402.336	≥0.5	PASS
		2440	0.692	2439.652	2440.344	≥0.5	PASS
		2480	0.692	2479.644	2480.336	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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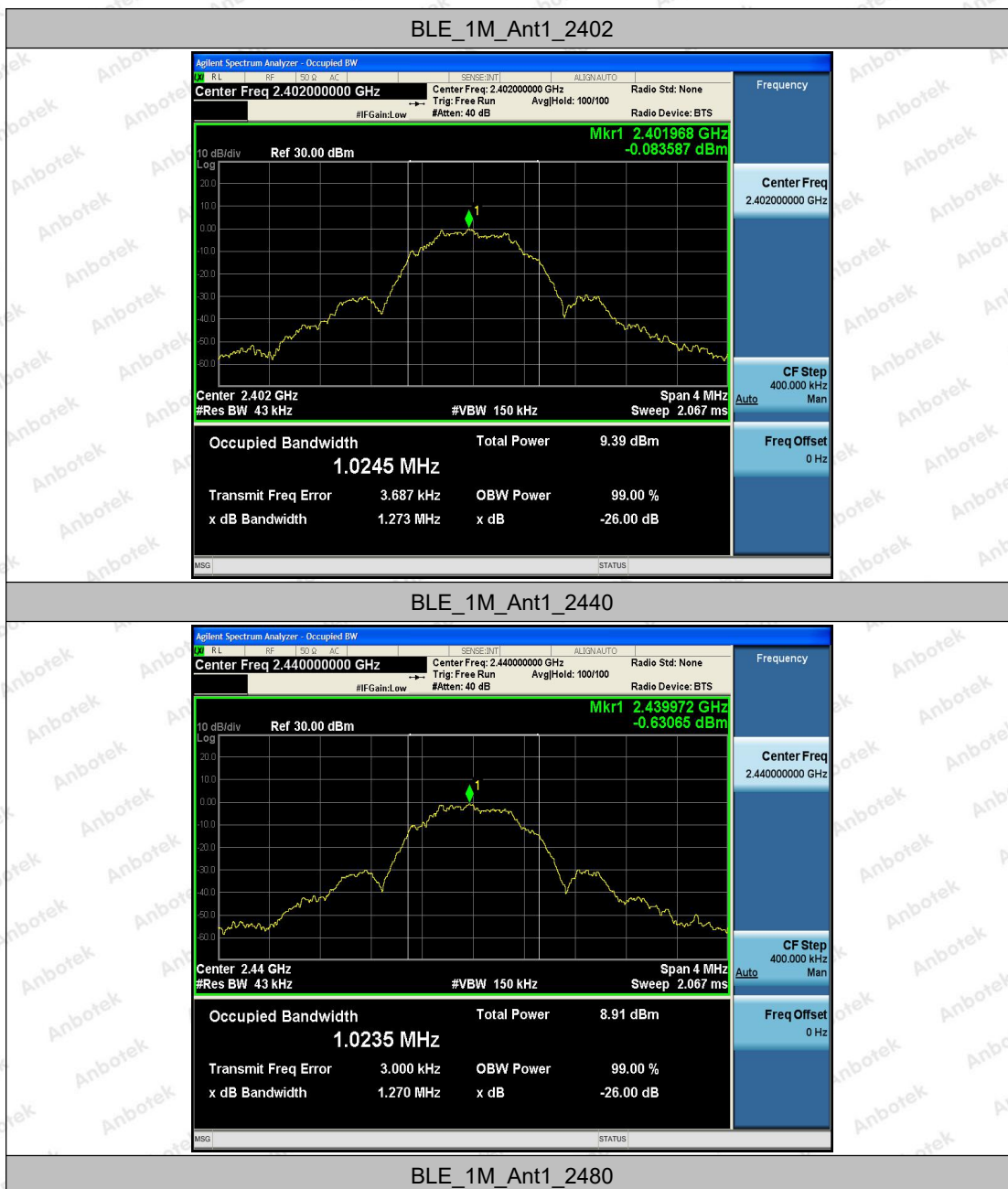
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0245	2401.491	2402.516	---	PASS
		2440	1.0235	2439.491	2440.515	---	PASS
		2480	1.0251	2479.495	2480.520	---	PASS

Test Graphs



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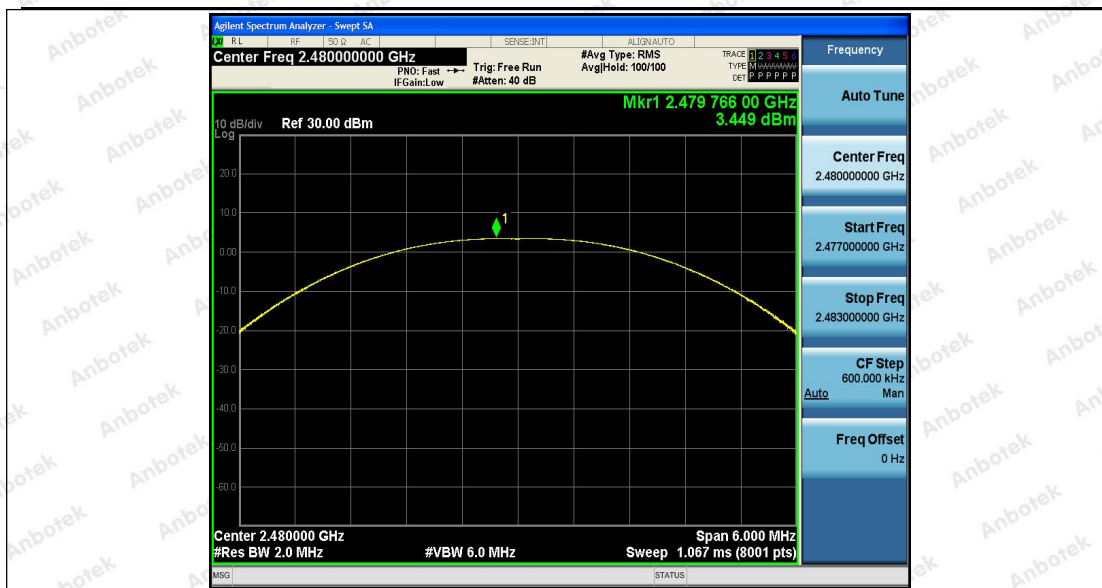
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.13	≤30	PASS
		2440	2.58	≤30	PASS
		2480	3.45	≤30	PASS



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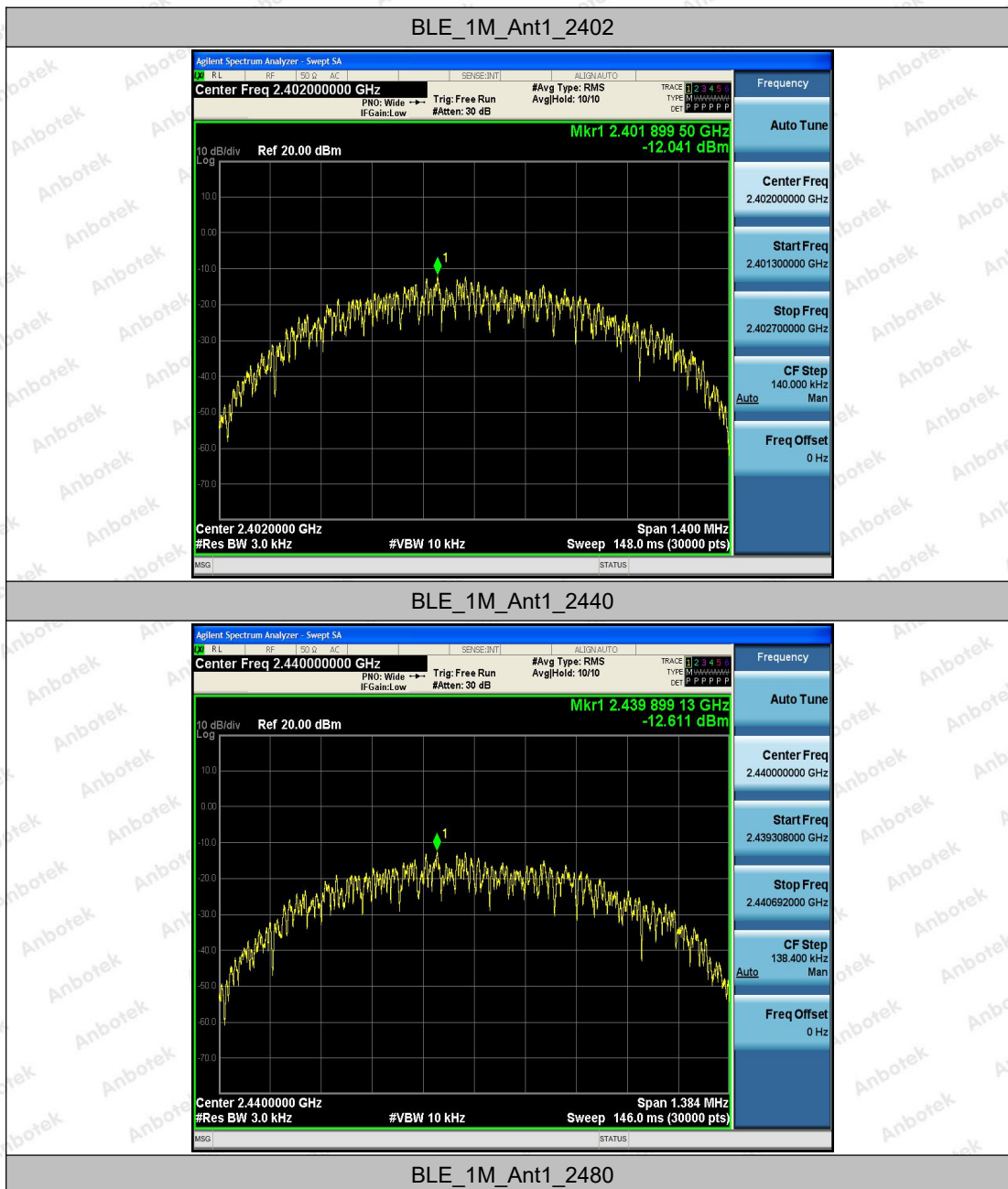
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.04	≤8	PASS
		2440	-12.61	≤8	PASS
		2480	-11.81	≤8	PASS

Test Graphs

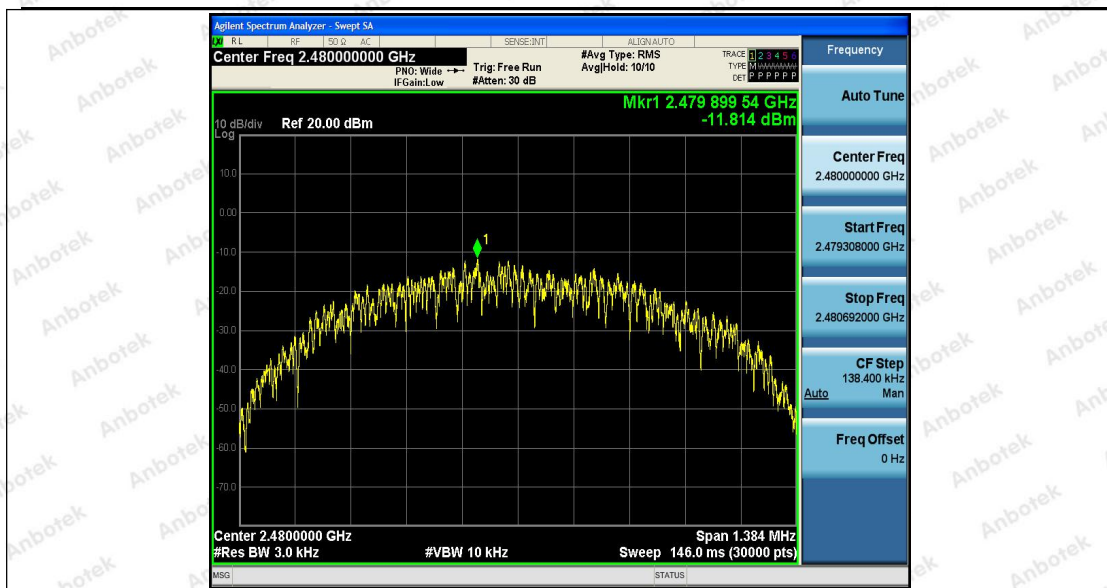


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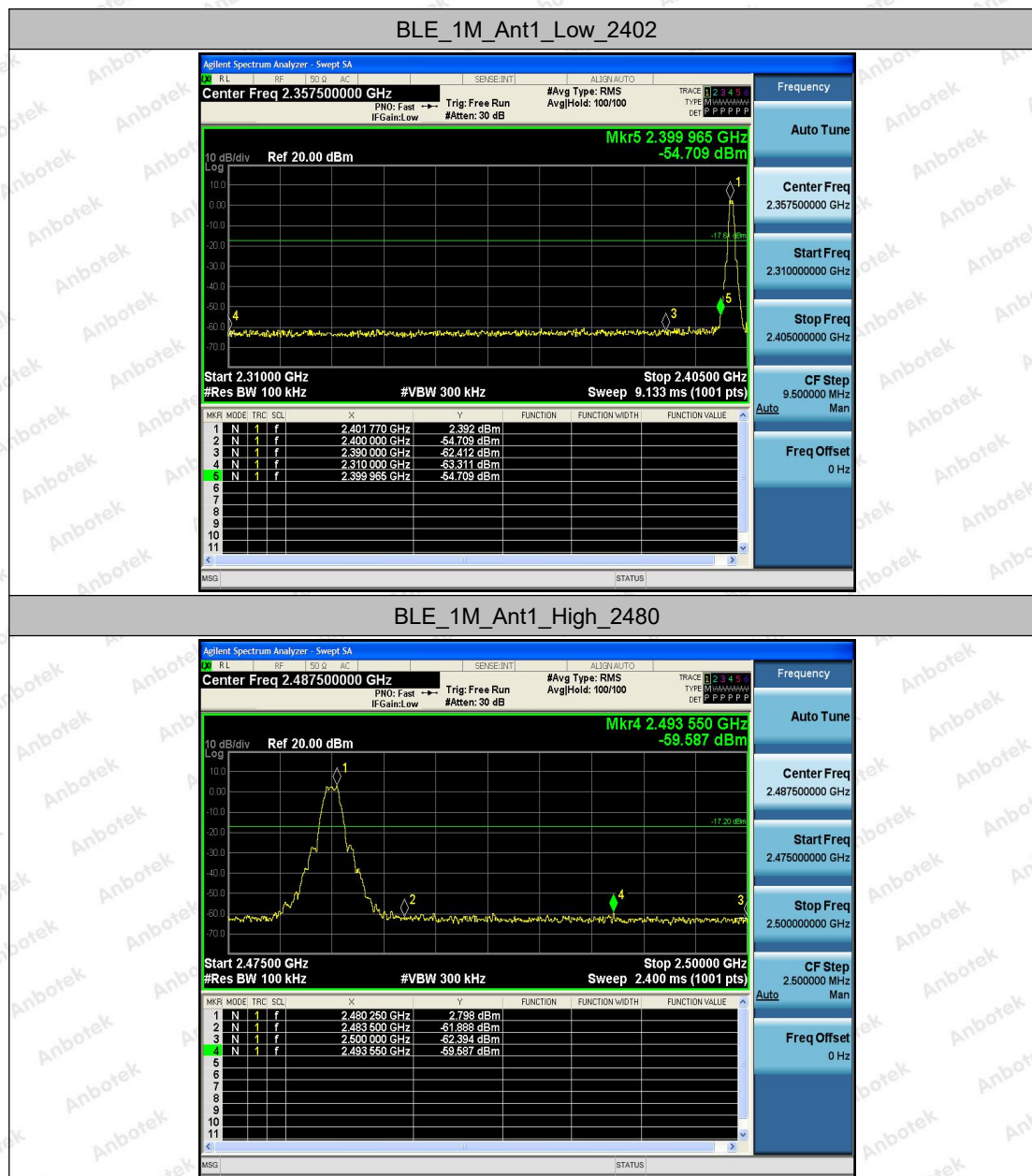
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.39	-54.71	≤ -17.61	PASS
		High	2480	2.80	-59.59	≤ -17.2	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

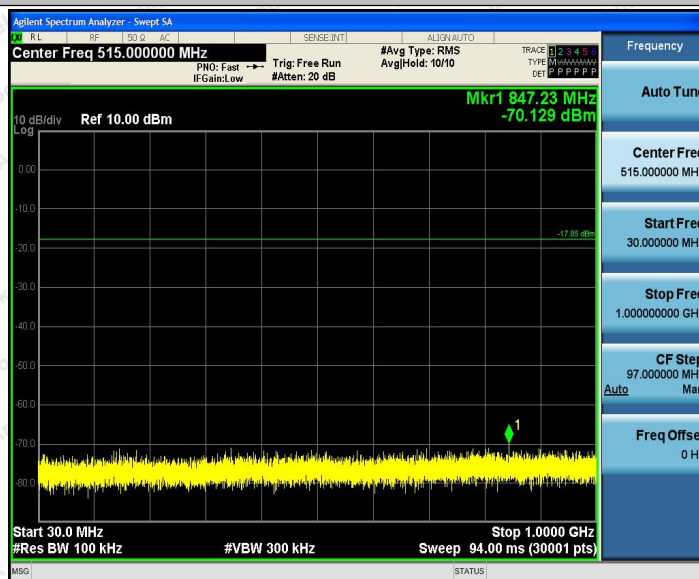
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-70.13	≤-17.85	PASS
			1000~265 00	2.15	-55.8	≤-17.85	PASS
		2440	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-70.34	≤-18.36	PASS
			1000~265 00	1.64	-55.59	≤-18.36	PASS
		2480	Reference	2.59	2.59	---	PASS
			30~1000	2.59	-70.43	≤-17.41	PASS
			1000~265 00	2.59	-55.36	≤-17.41	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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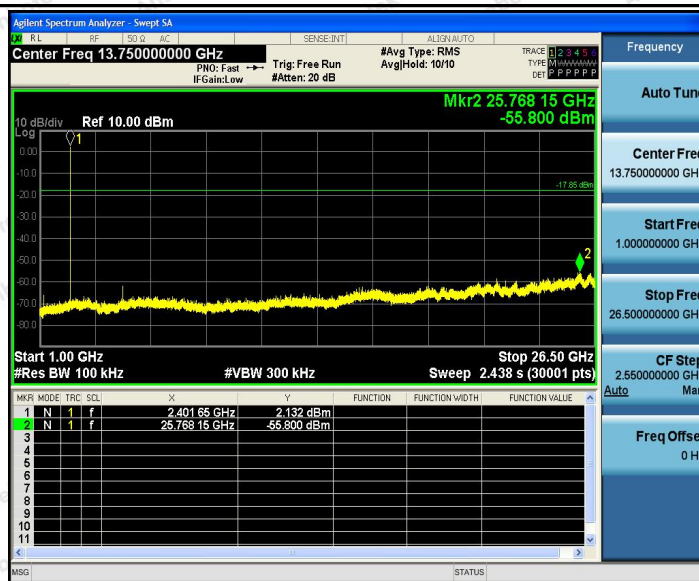
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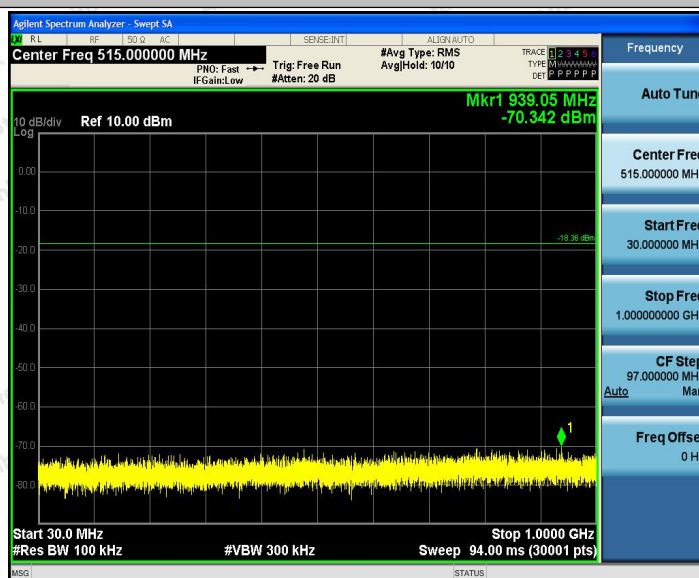
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



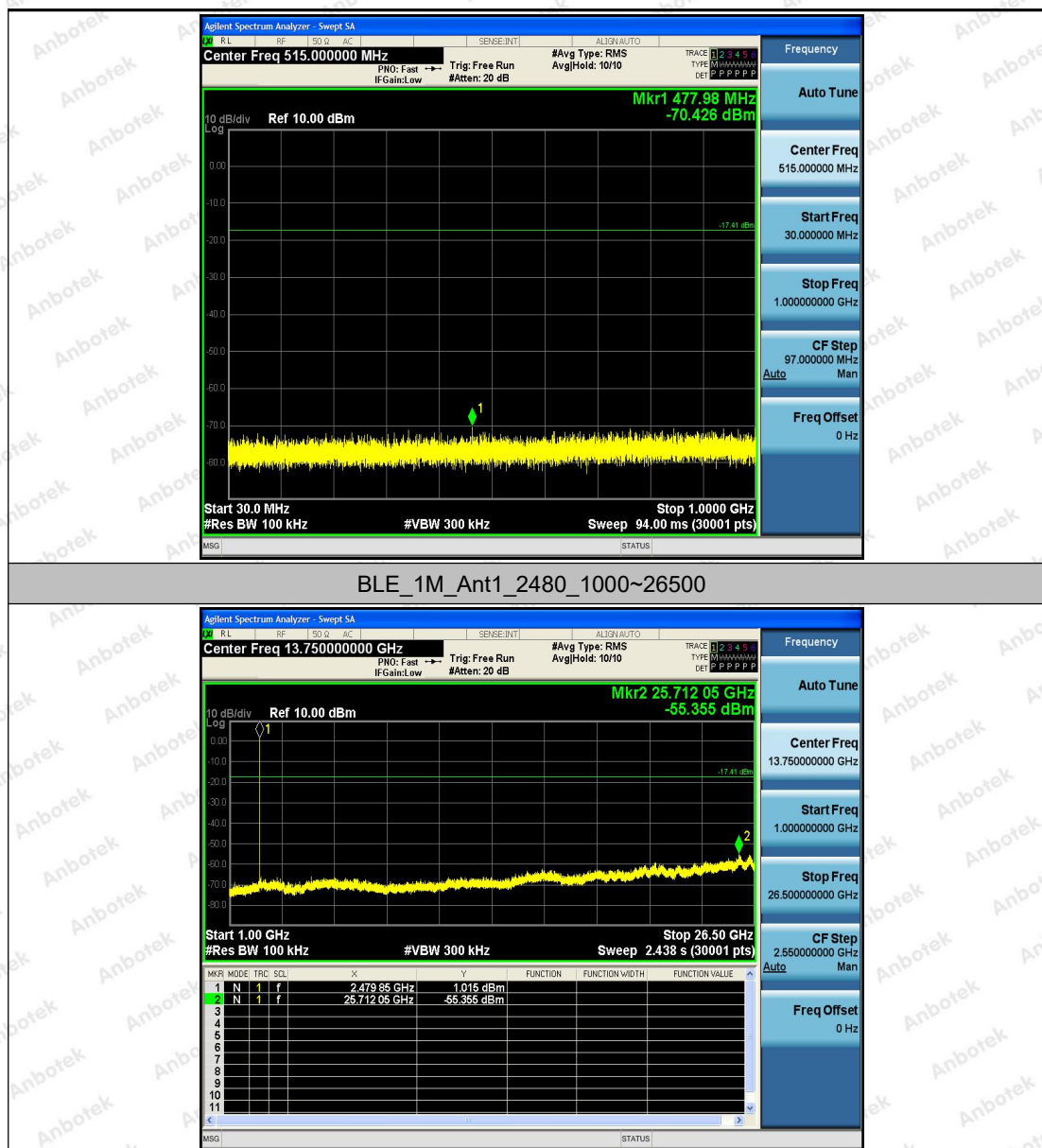
BLE_1M_Ant1_2480_30~1000

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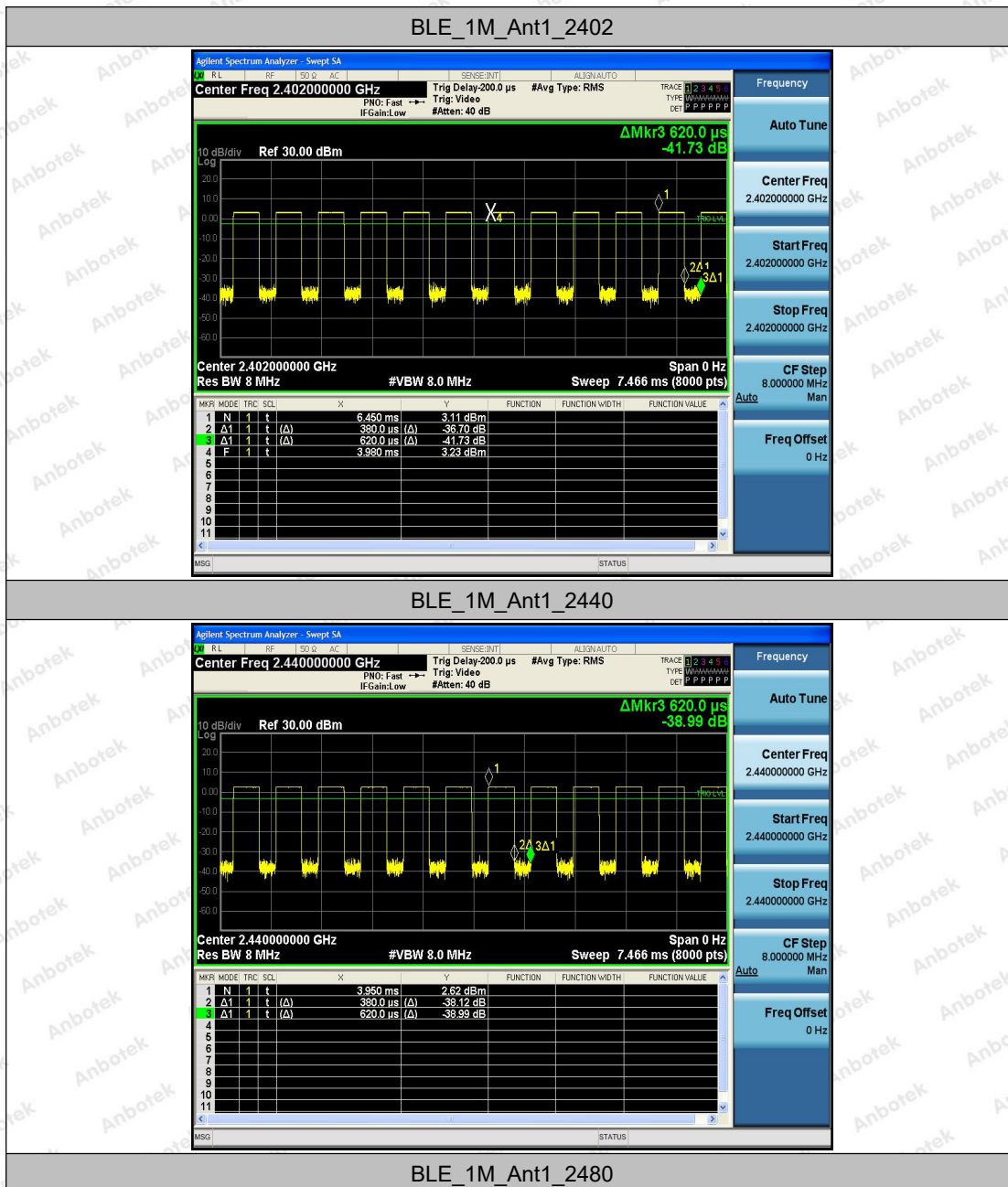
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Appendix G: Duty Cycle

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	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs



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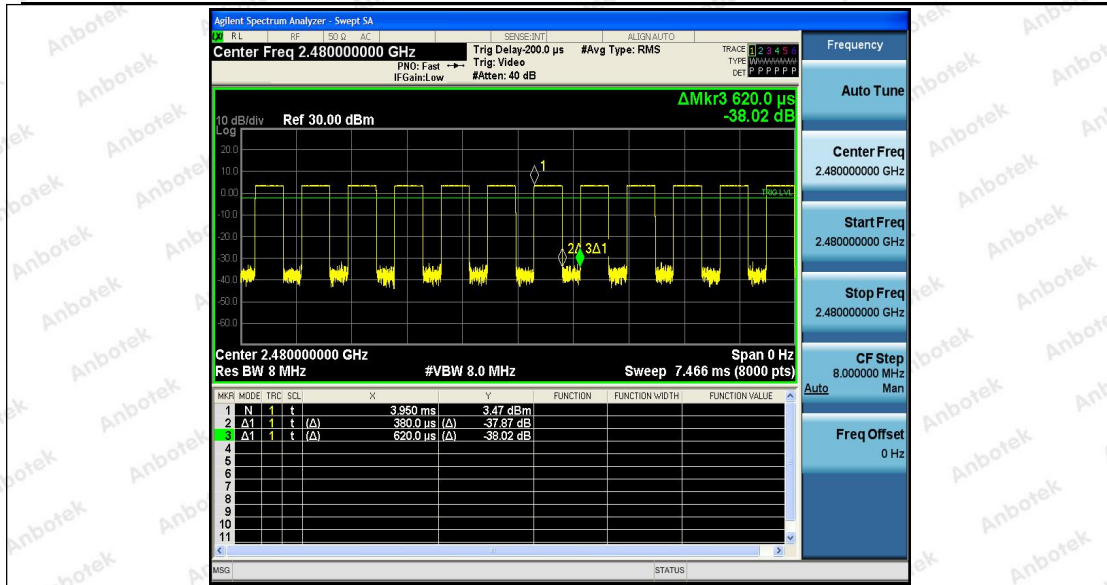
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