

Appendix Test Data

Report No.:	18220WC20108401	Test Sample No.:	1-2-2
Start Test Date:	2022.5.19	Finish Test Date:	2022..5.24
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.3 %
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	2401.640	2402.340	≥0.5	PASS
		2440	0.680	2439.652	2440.332	≥0.5	PASS
		2480	0.696	2479.640	2480.336	≥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	1.0346	2401.494	2402.529	---	PASS
		2440	1.0340	2439.495	2440.529	---	PASS
		2480	1.0224	2479.495	2480.518	---	PASS

Test Graphs



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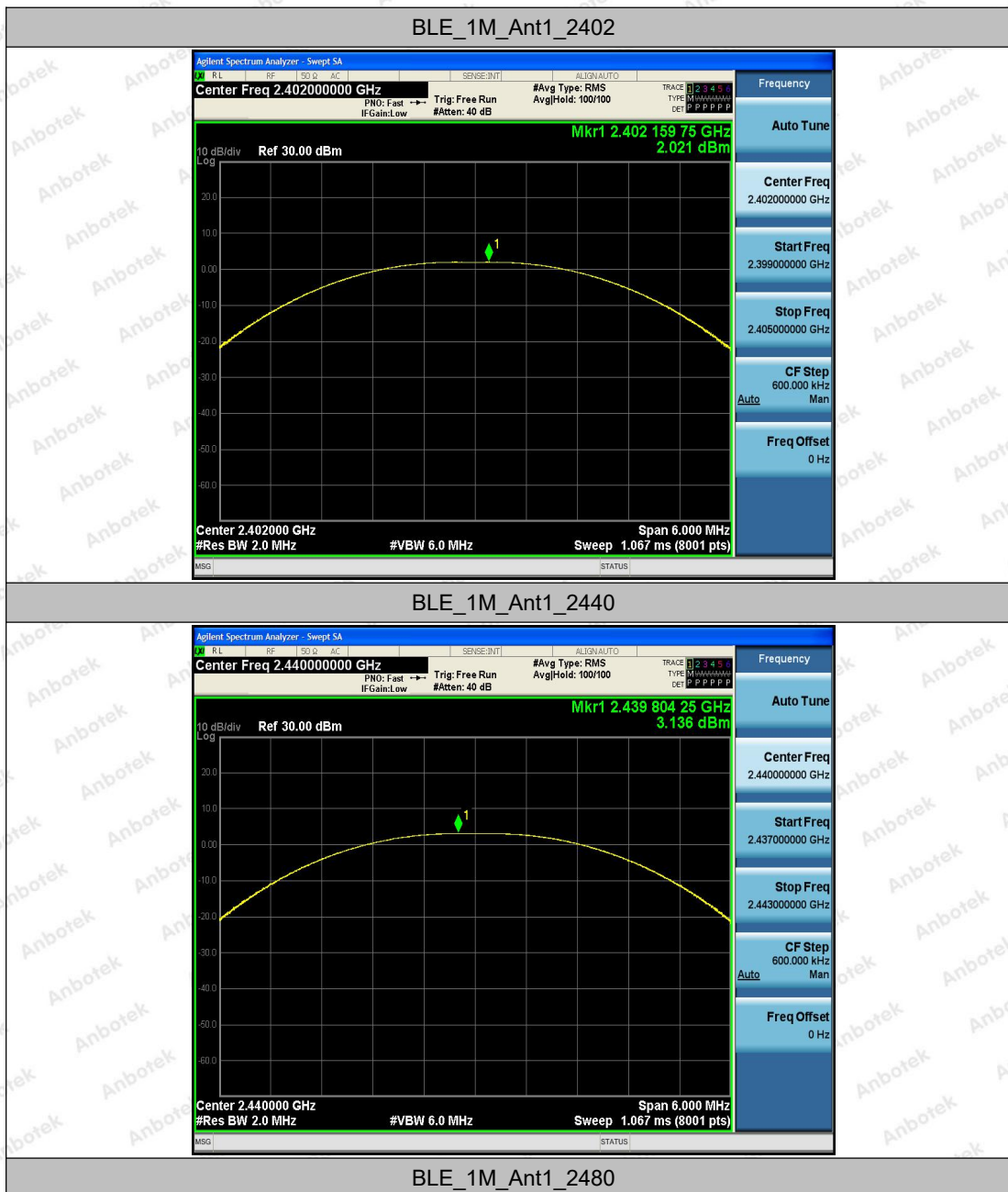
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.02	≤30	PASS
		2440	3.14	≤30	PASS
		2480	2.86	≤30	PASS

Test Graphs

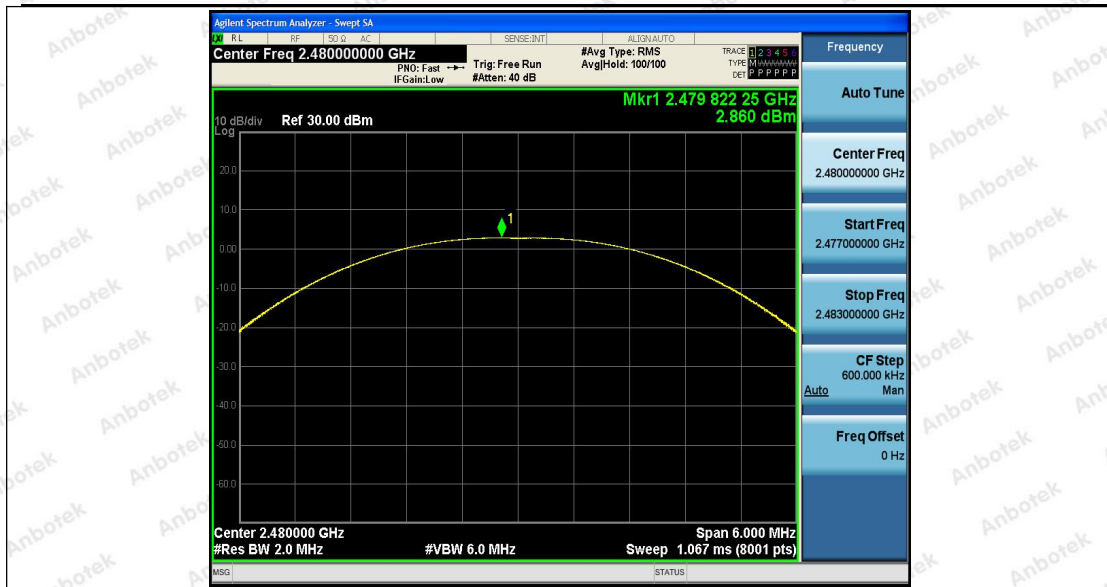


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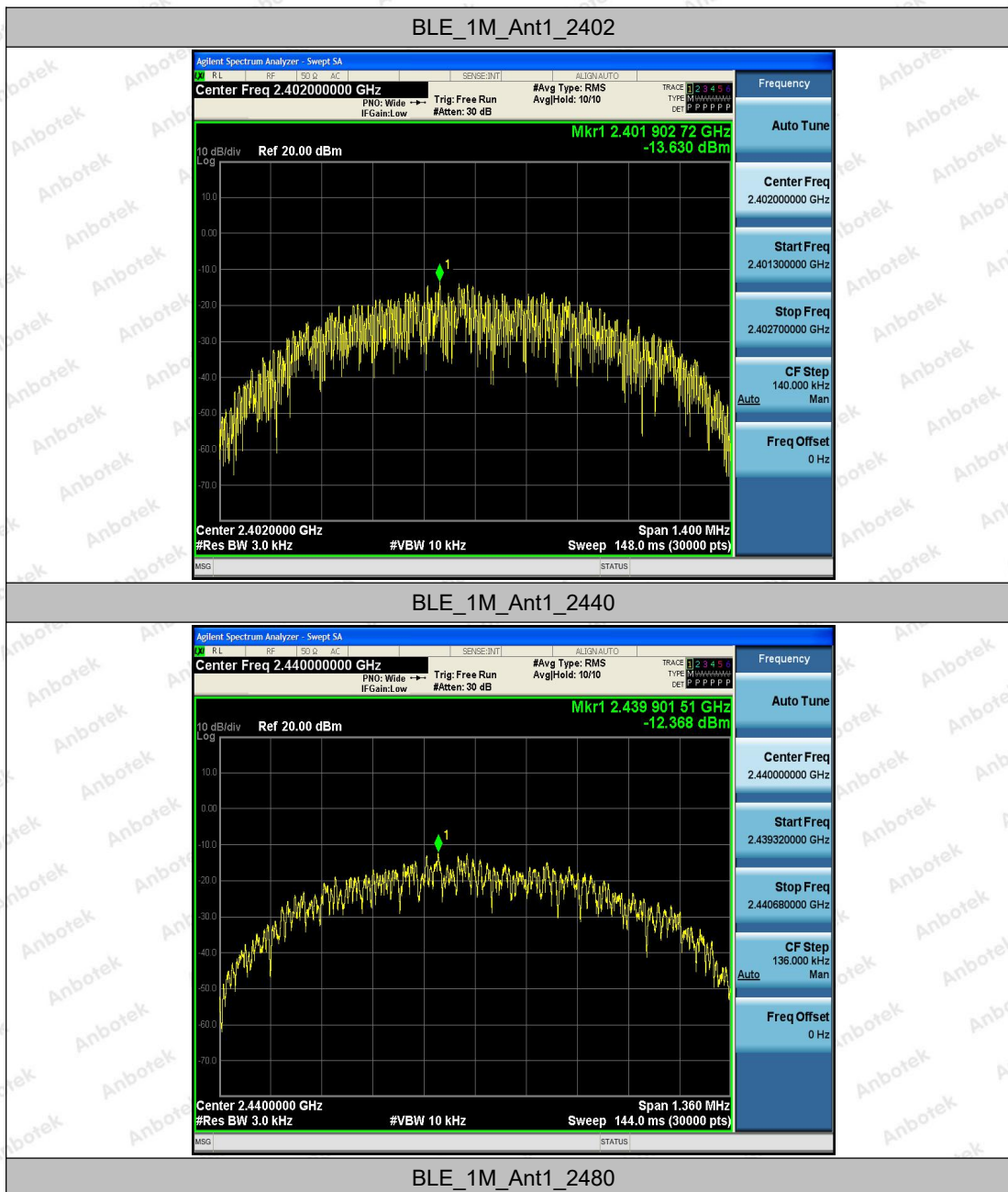
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.63	≤8	PASS
		2440	-12.37	≤8	PASS
		2480	-12.66	≤8	PASS

Test Graphs

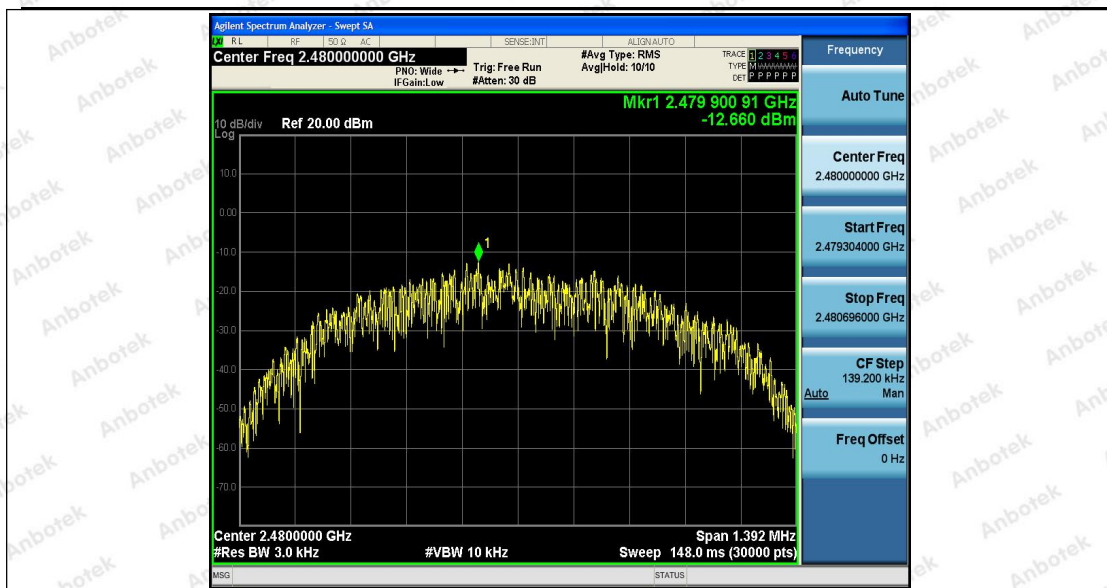


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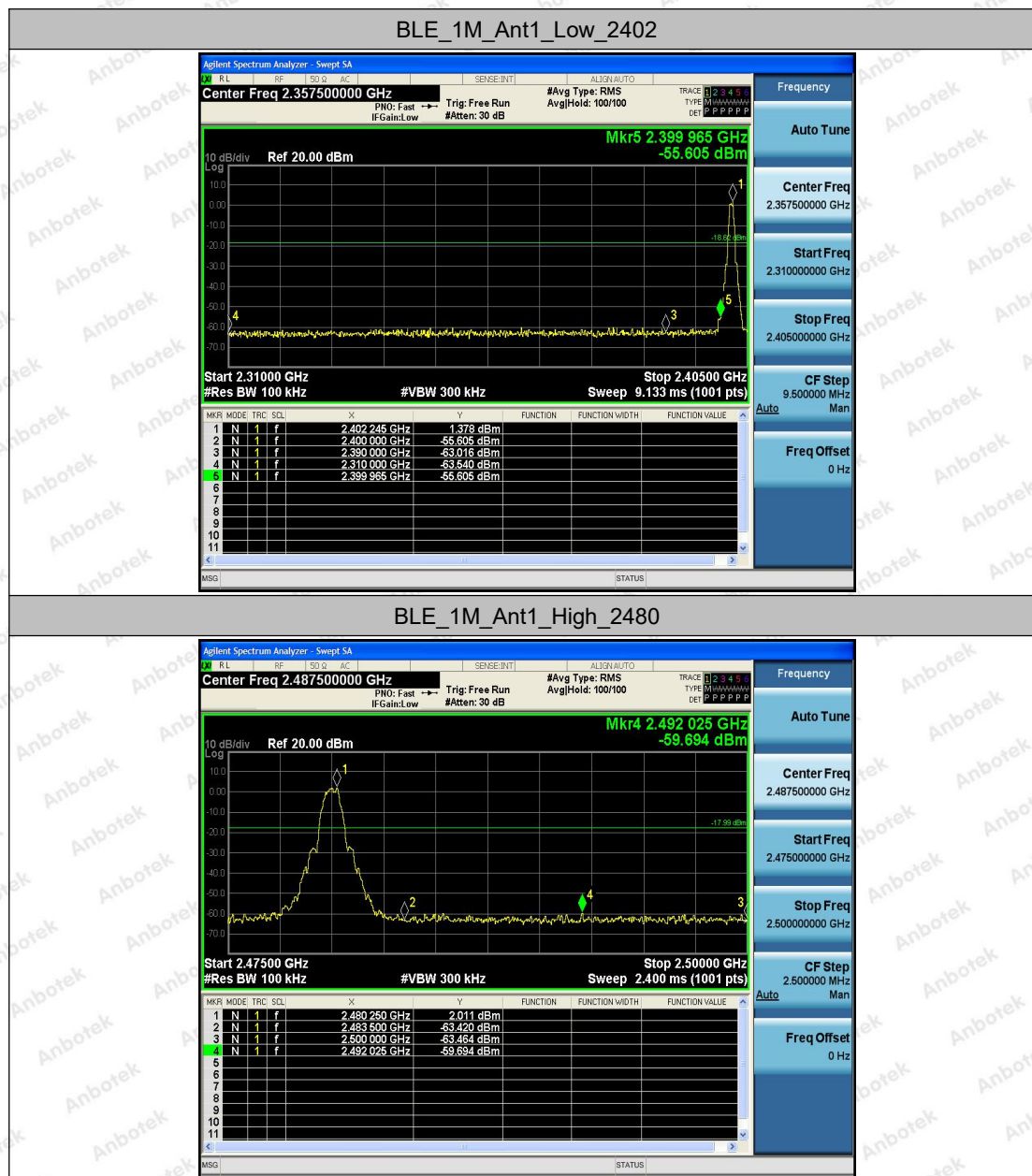
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.38	-55.61	≤-18.62	PASS
		High	2480	2.01	-59.69	≤-17.99	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

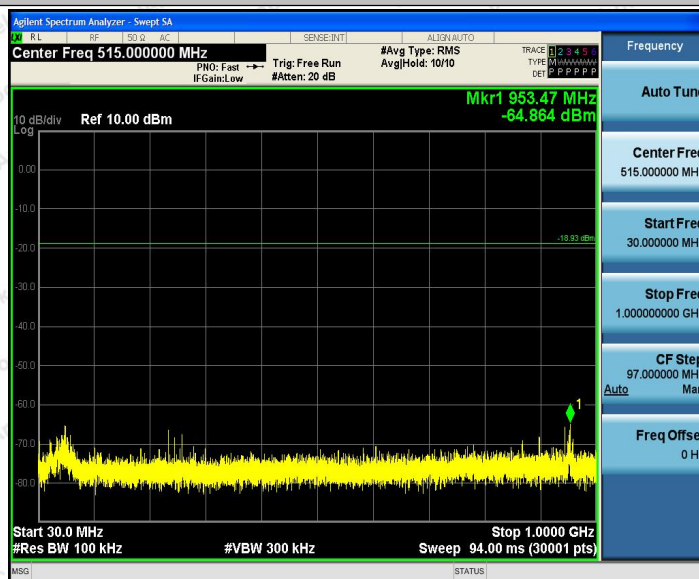
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-64.86	≤-18.93	PASS
			1000~265 00	1.07	-54.82	≤-18.93	PASS
		2440	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-63.05	≤-17.86	PASS
			1000~265 00	2.14	-55.25	≤-17.86	PASS
		2480	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-64.95	≤-18.06	PASS
			1000~265 00	1.95	-55.11	≤-18.06	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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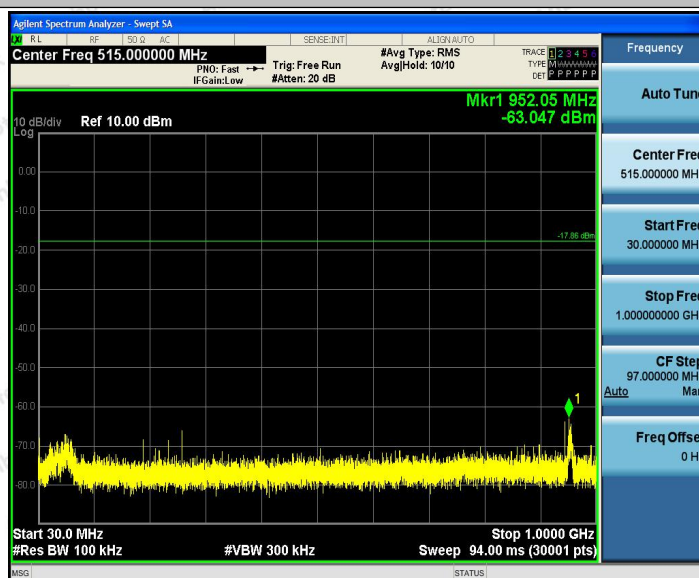
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



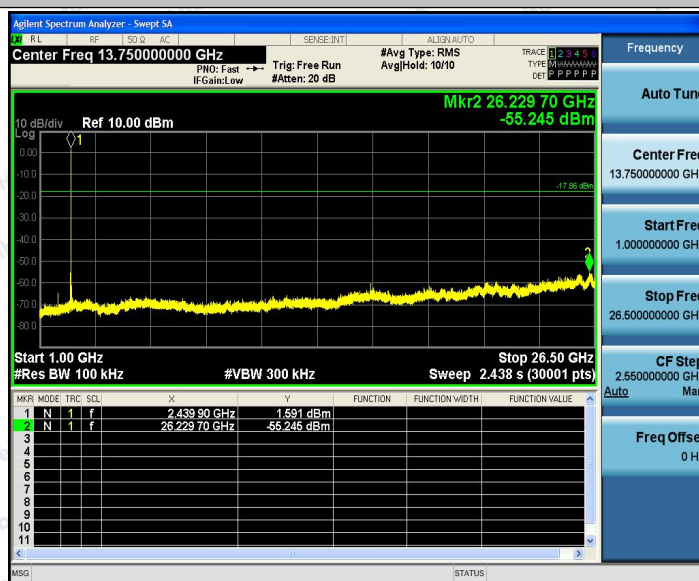
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



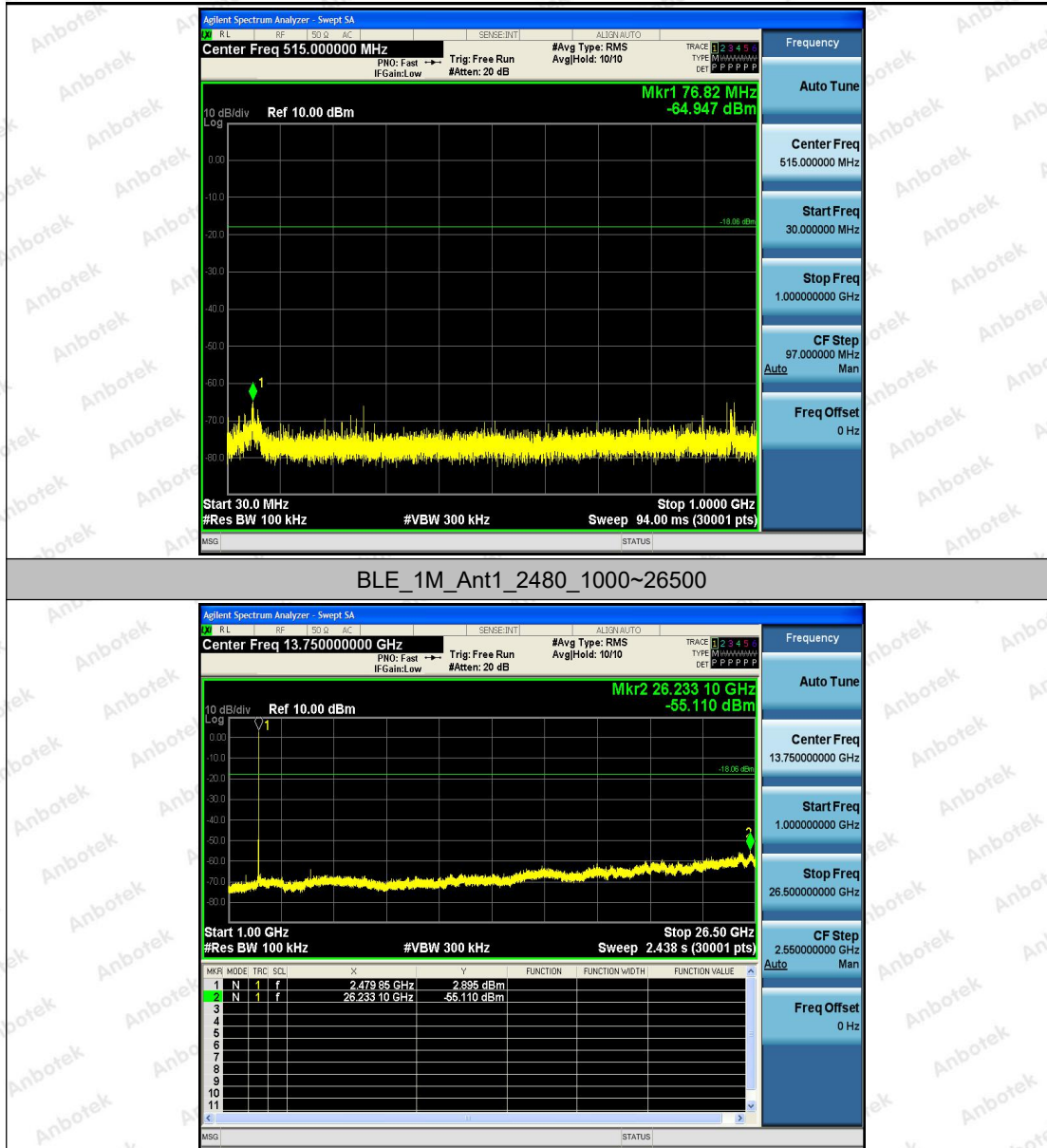
BLE_1M_Ant1_2480_30~1000

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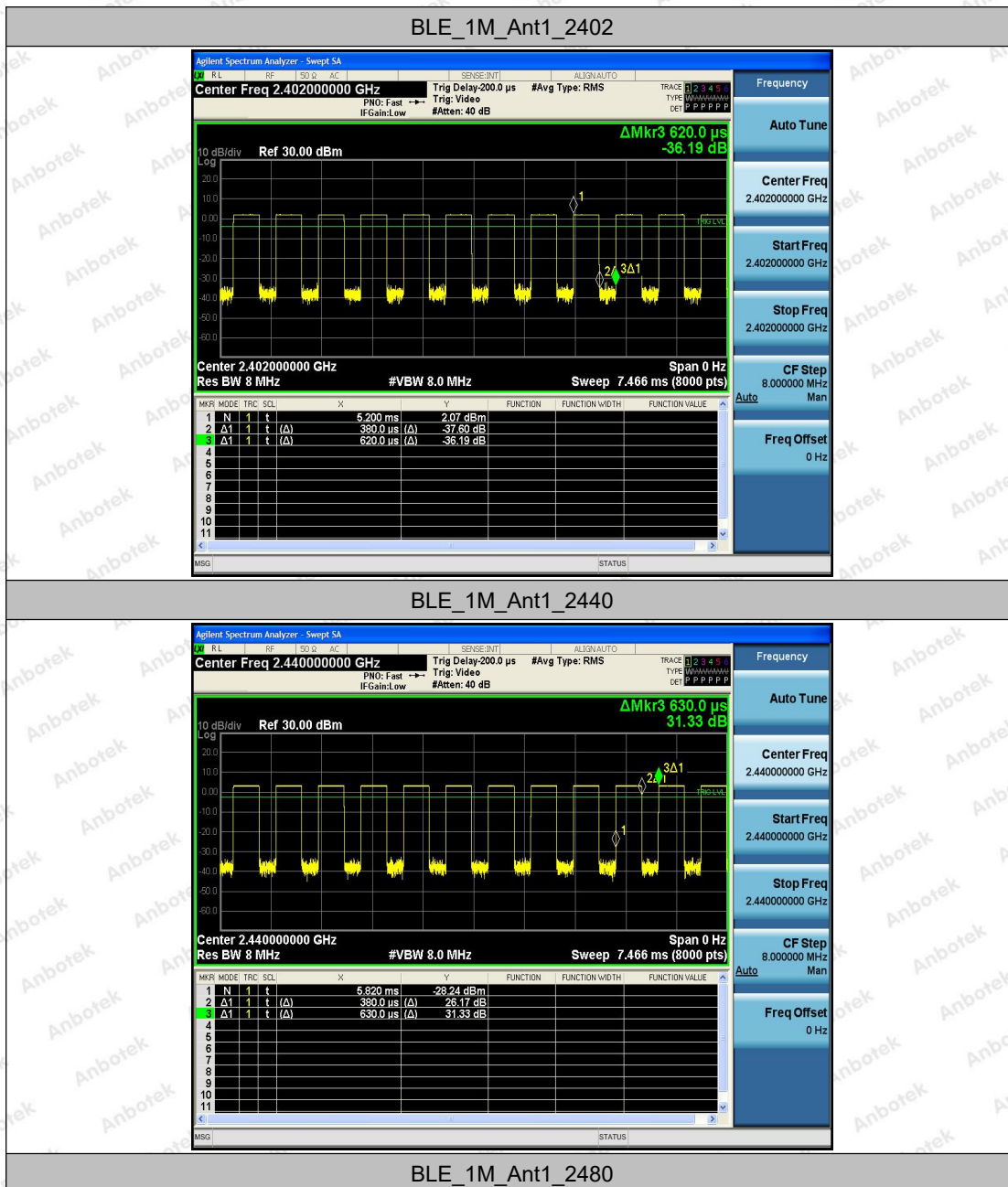
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Appendix G: Duty Cycle

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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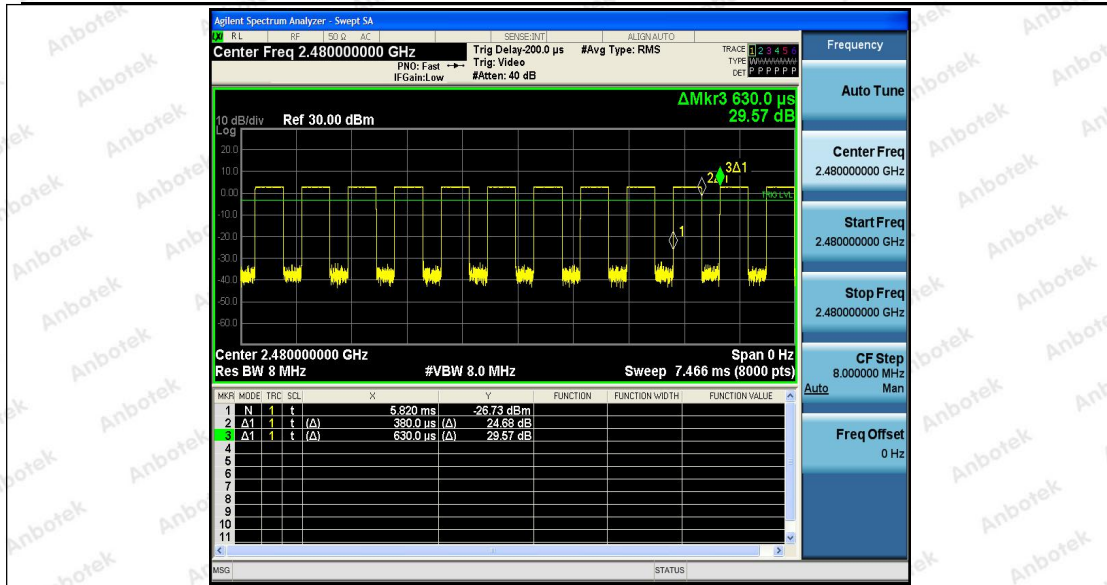
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