

Appendix Test Data

Report No.:	18220WC10058201	Test Date:	2021.9.13
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	0.692	2401.640	2402.332	≥0.5	PASS
		2440	0.688	2439.652	2440.340	≥0.5	PASS
		2480	0.676	2479.656	2480.332	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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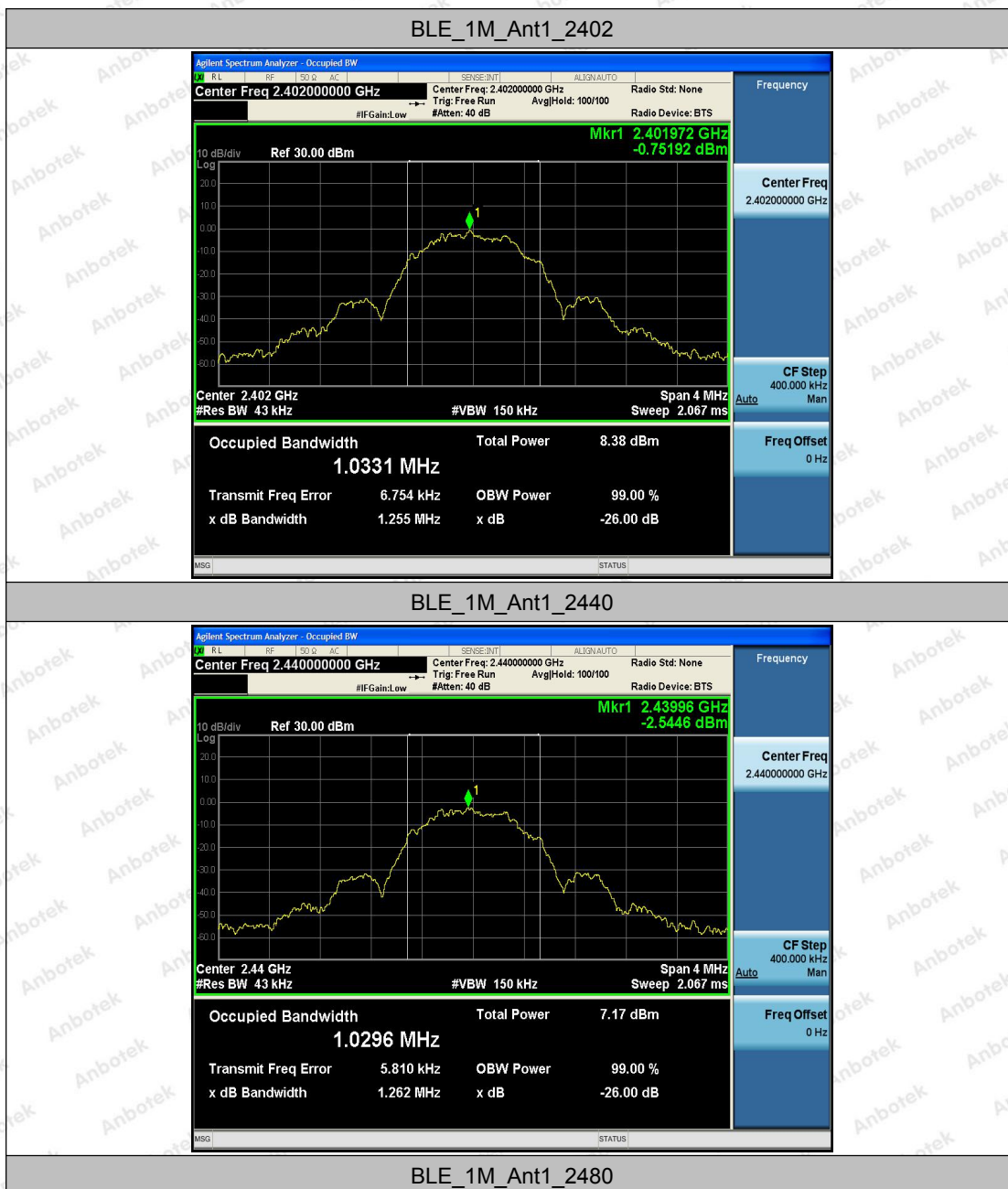
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0331	2401.490	2402.523	---	PASS
		2440	1.0296	2439.491	2440.521	---	PASS
		2480	1.0262	2479.490	2480.516	---	PASS

Test Graphs



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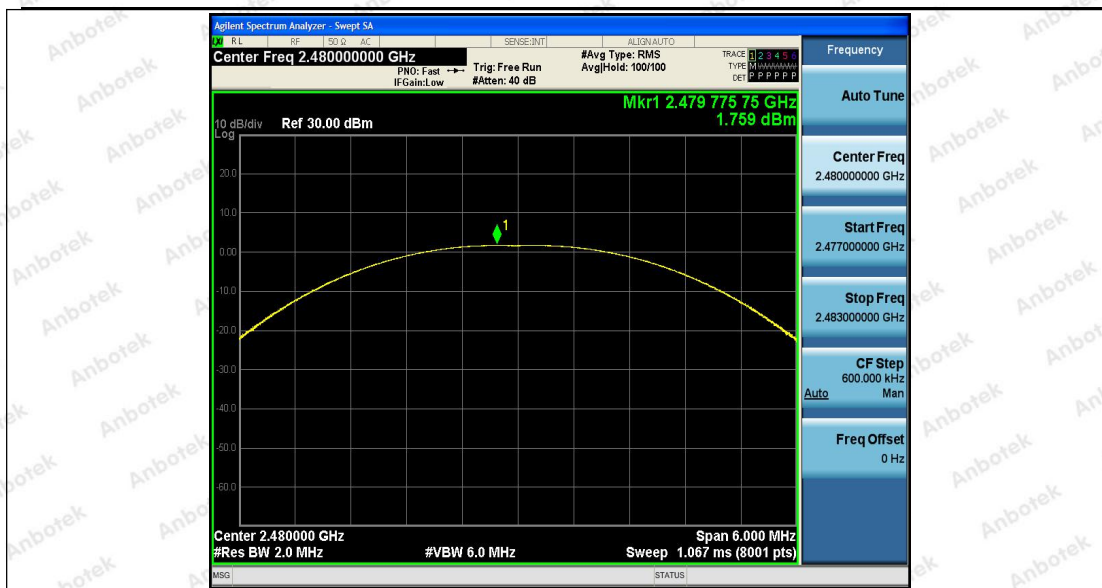
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.9	≤30	PASS
		2440	1.04	≤30	PASS
		2480	1.76	≤30	PASS



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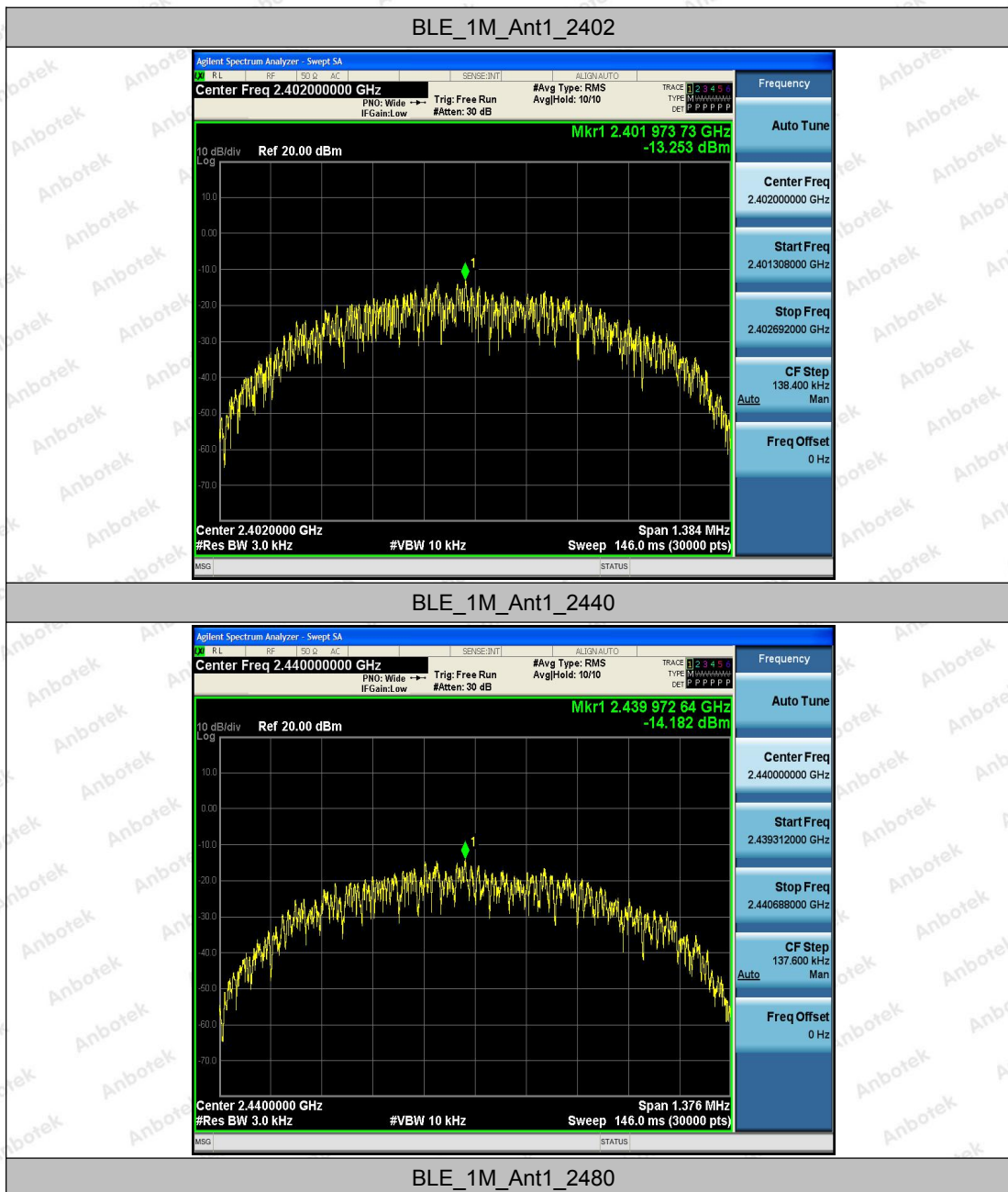
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.25	≤8	PASS
		2440	-14.18	≤8	PASS
		2480	-13.4	≤8	PASS

Test Graphs

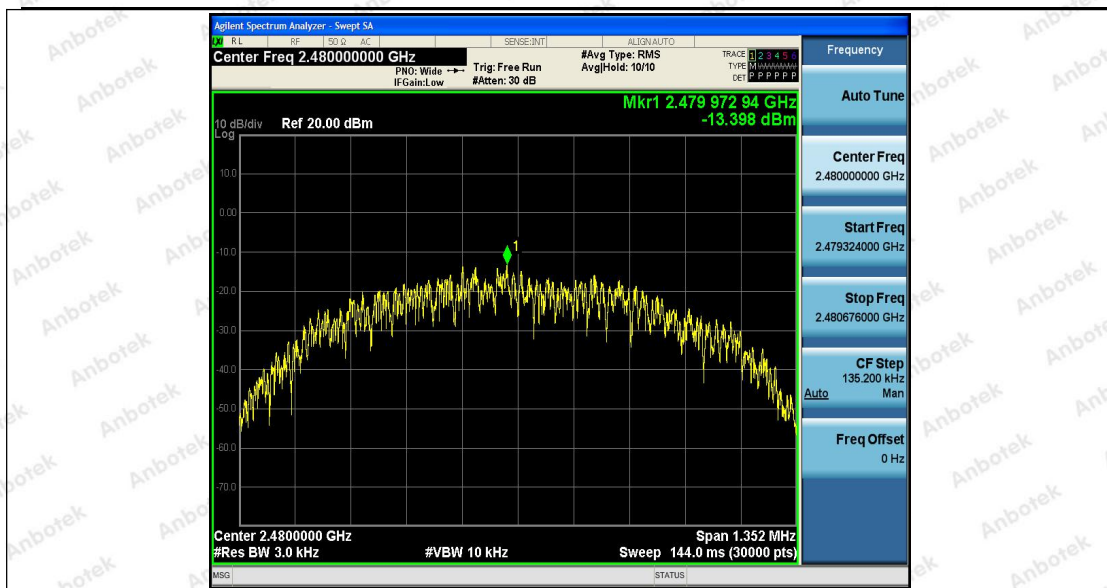


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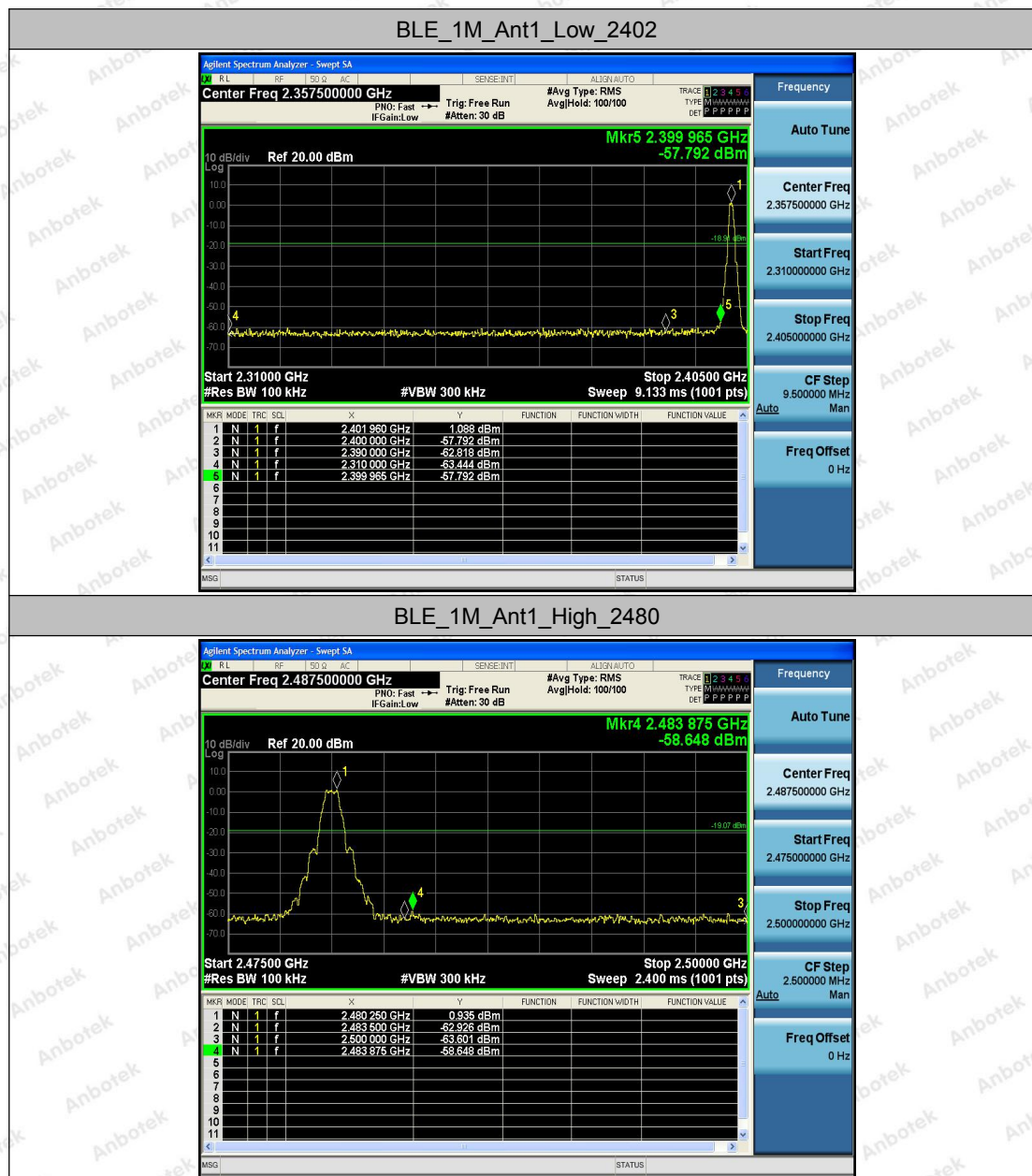
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.09	-57.79	≤-18.91	PASS
		High	2480	0.94	-58.65	≤-19.07	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

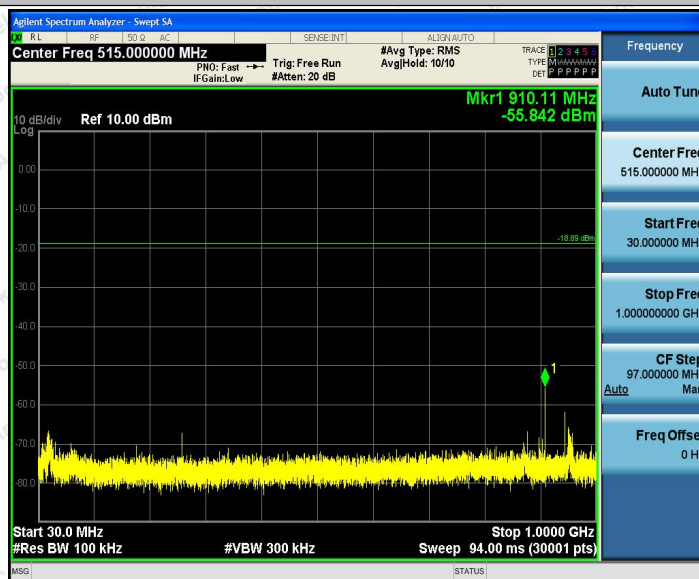
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.11	1.11	---	PASS
			30~1000	1.11	-55.84	≤-18.89	PASS
			1000~265 00	1.11	-44.85	≤-18.89	PASS
		2440	Reference	0.04	0.04	---	PASS
			30~1000	0.04	-62.11	≤-19.96	PASS
			1000~265 00	0.04	-42.48	≤-19.96	PASS
		2480	Reference	0.94	0.94	---	PASS
			30~1000	0.94	-55.39	≤-19.06	PASS
			1000~265 00	0.94	-46.63	≤-19.06	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



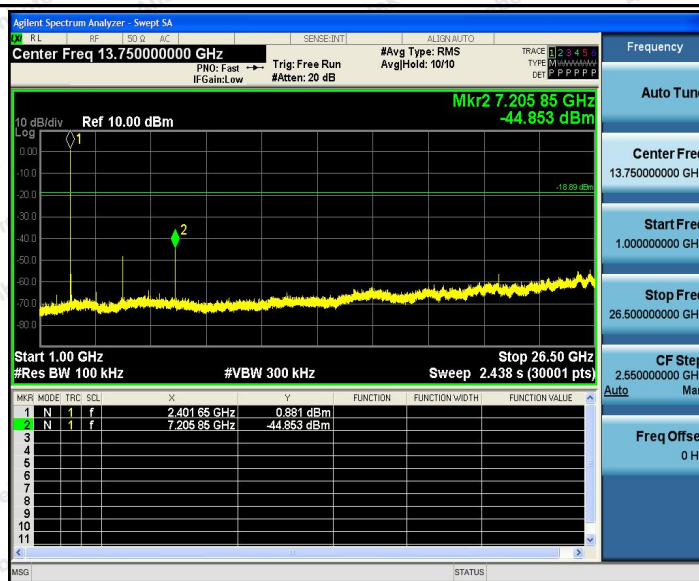
BLE_1M_Ant1_2402_1000~26500

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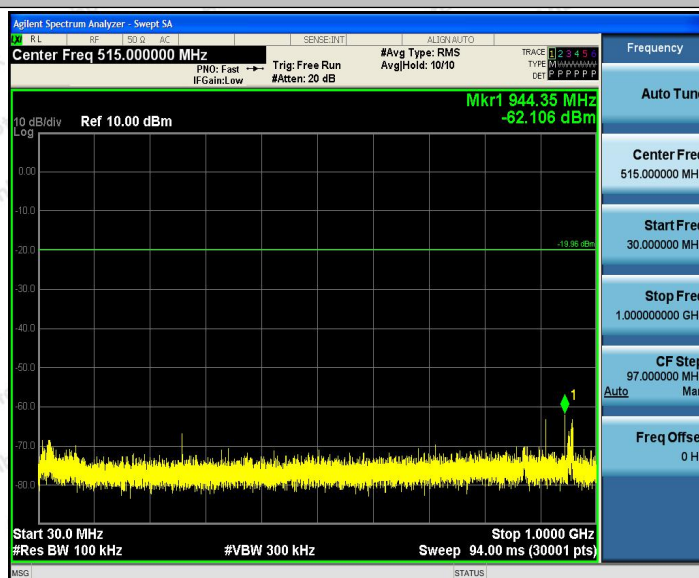
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



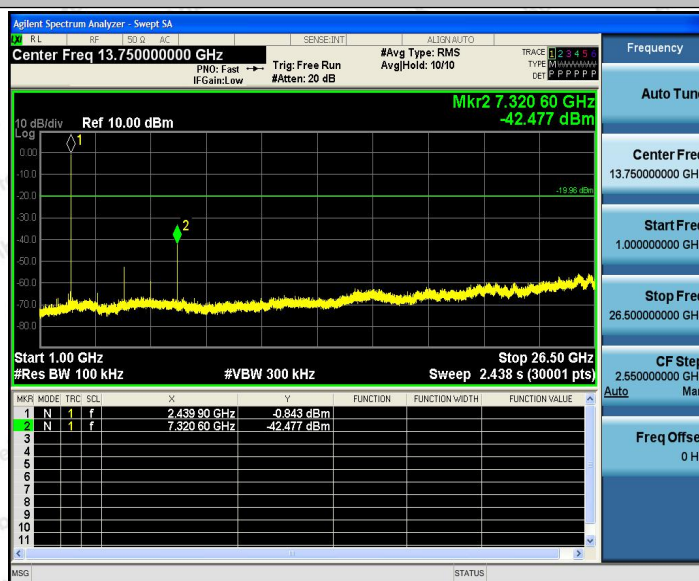
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



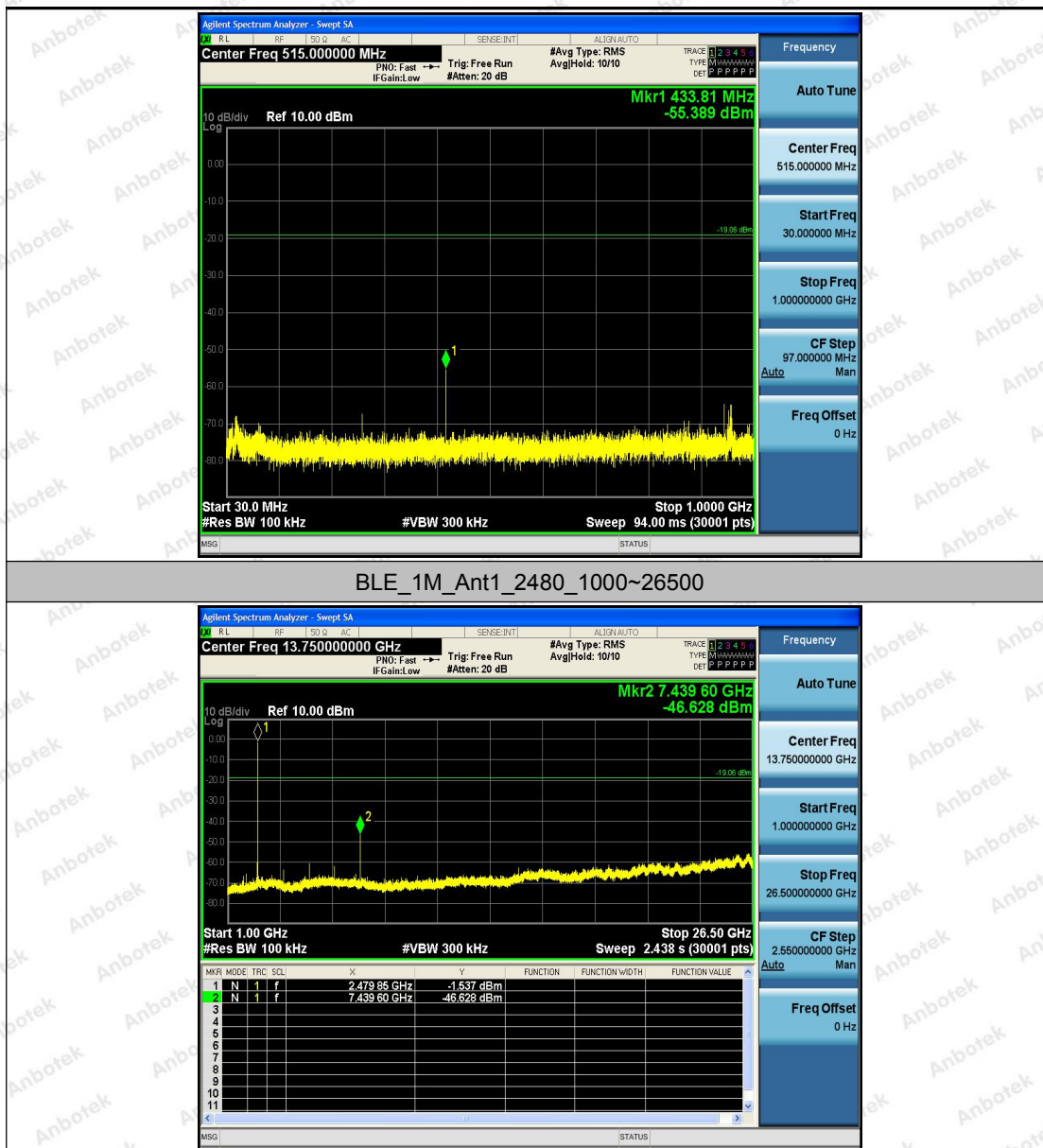
BLE_1M_Ant1_2480_30~1000

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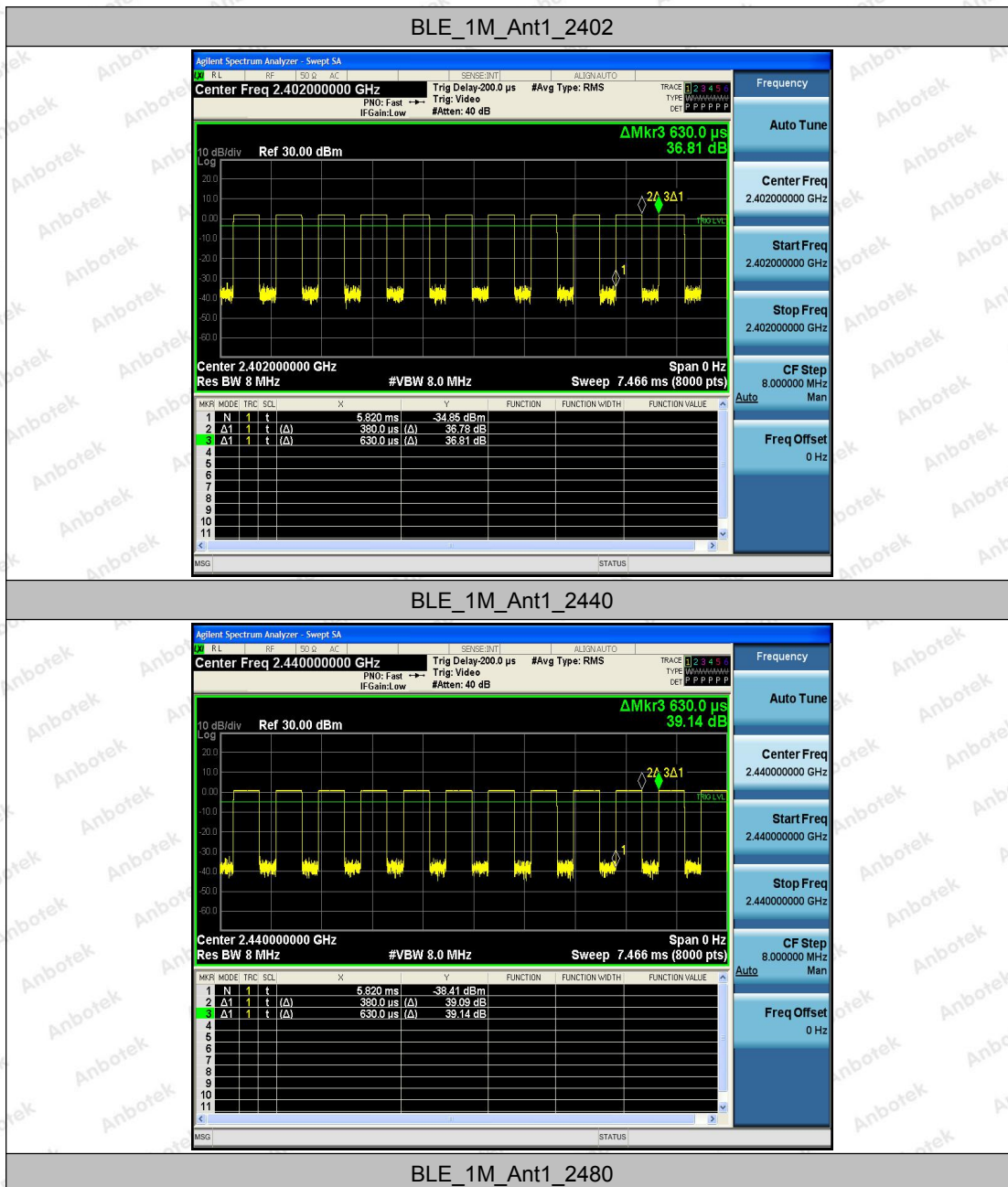
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	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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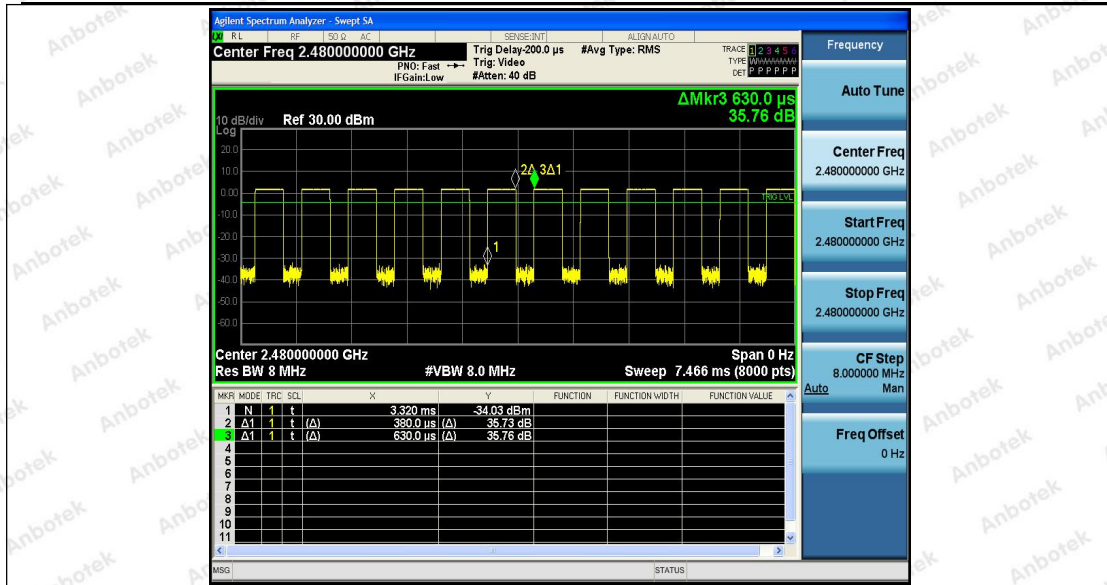
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