

Appendix Test Data

Report No.:	18220WC10231601	Test Date:	2021.10.29
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	0.676	2401.652	2402.328	≥0.5	PASS
		2440	0.684	2439.656	2440.340	≥0.5	PASS
		2480	0.680	2479.656	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	1.0574	2401.485	2402.543	---	PASS
		2440	1.0131	2439.496	2440.509	---	PASS
		2480	1.0562	2479.493	2480.549	---	PASS

Test Graphs



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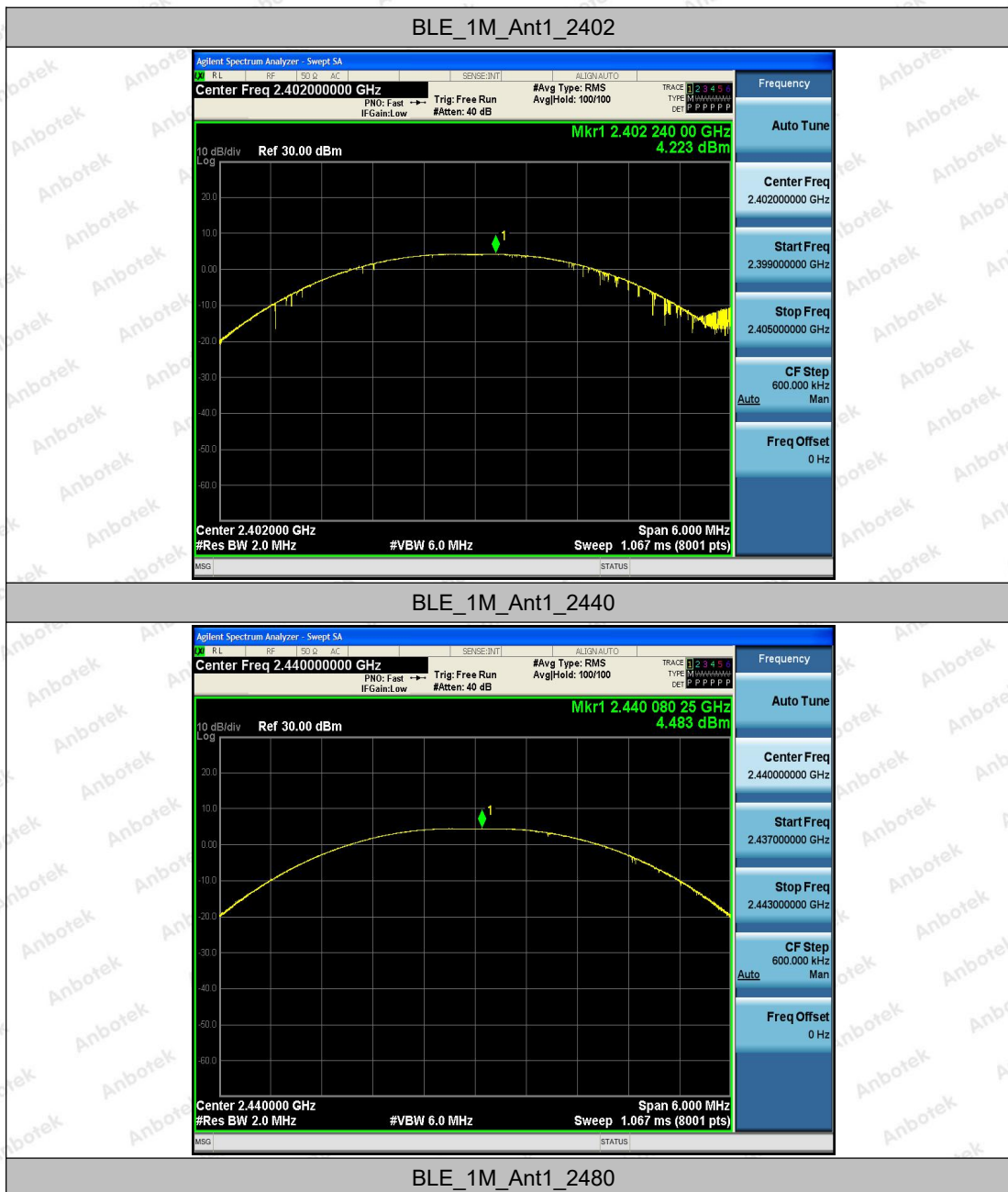
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.22	≤30	PASS
		2440	4.48	≤30	PASS
		2480	2.9	≤30	PASS

Test Graphs

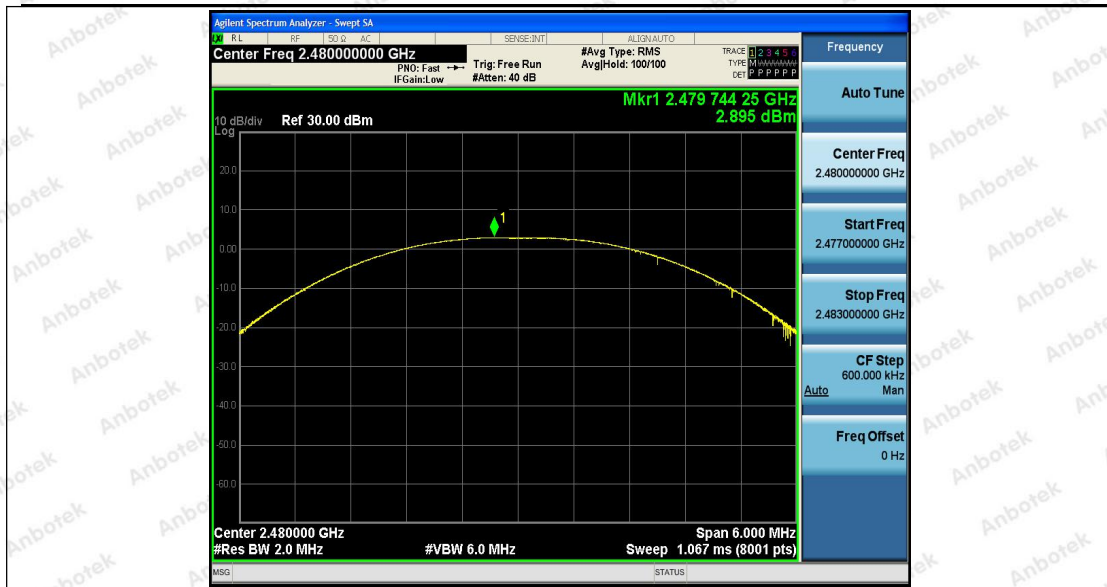


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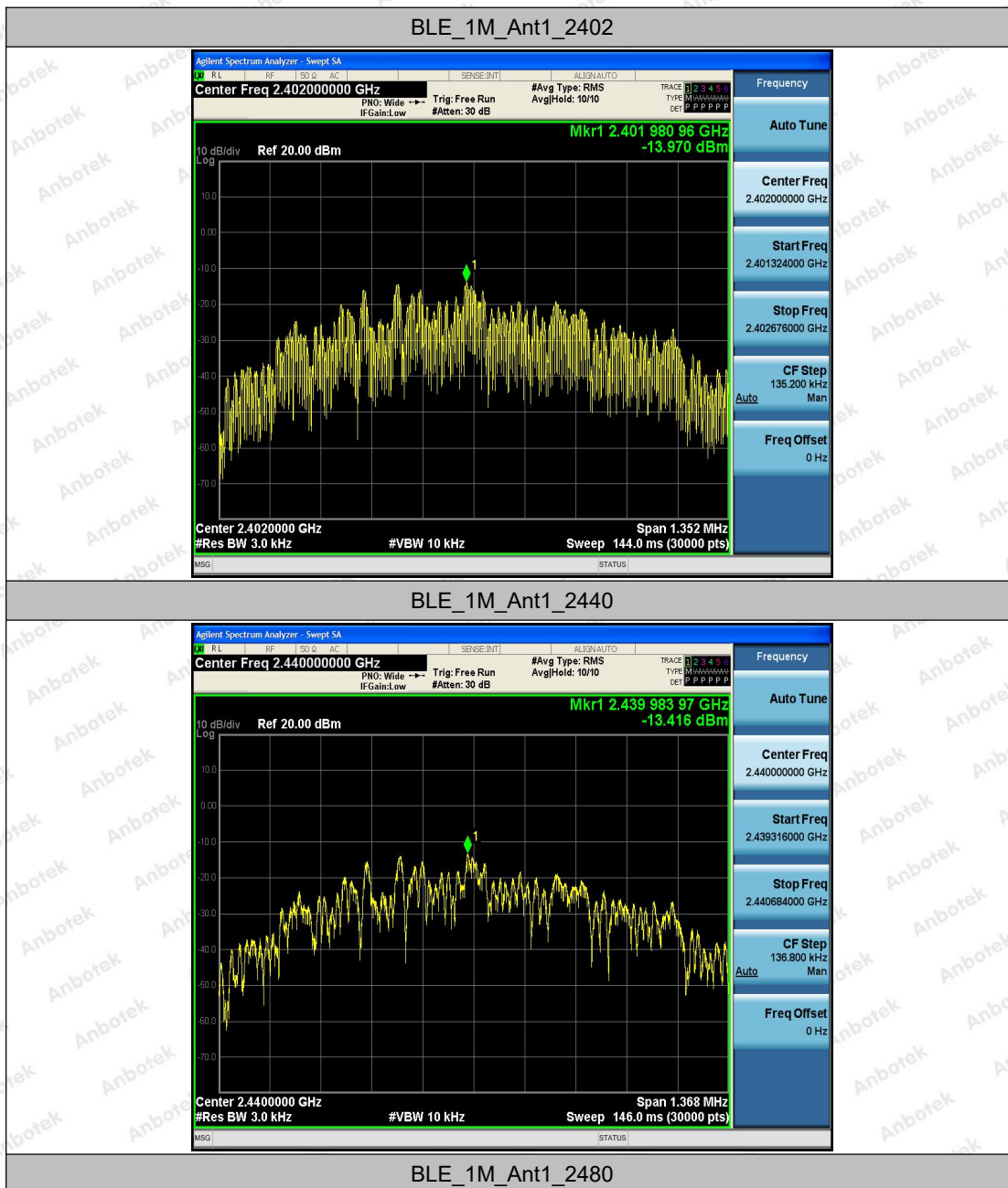
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.97	≤8	PASS
		2440	-13.42	≤8	PASS
		2480	-14.8	≤8	PASS

Test Graphs

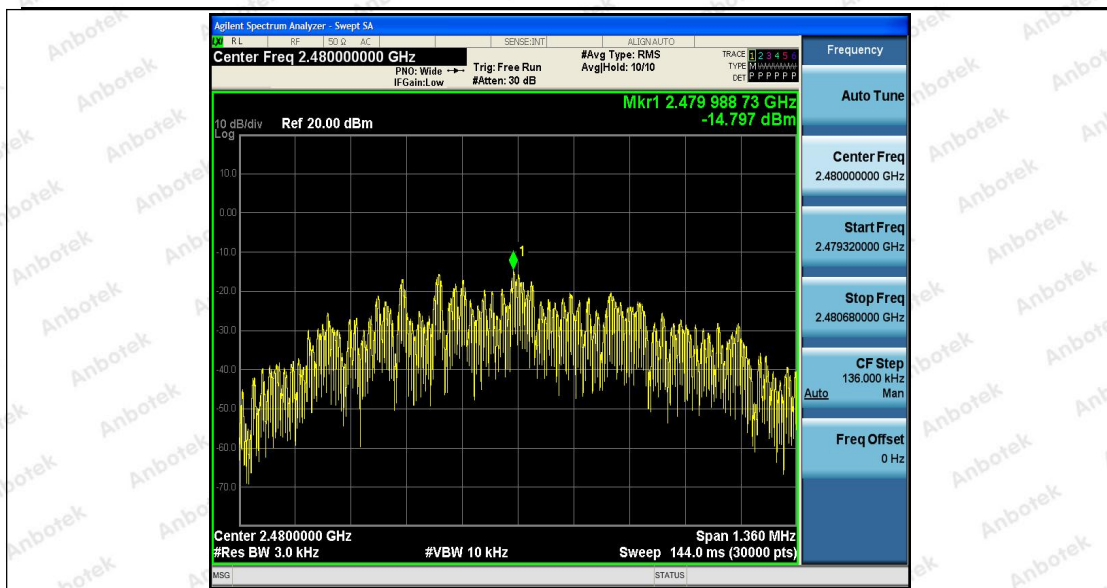


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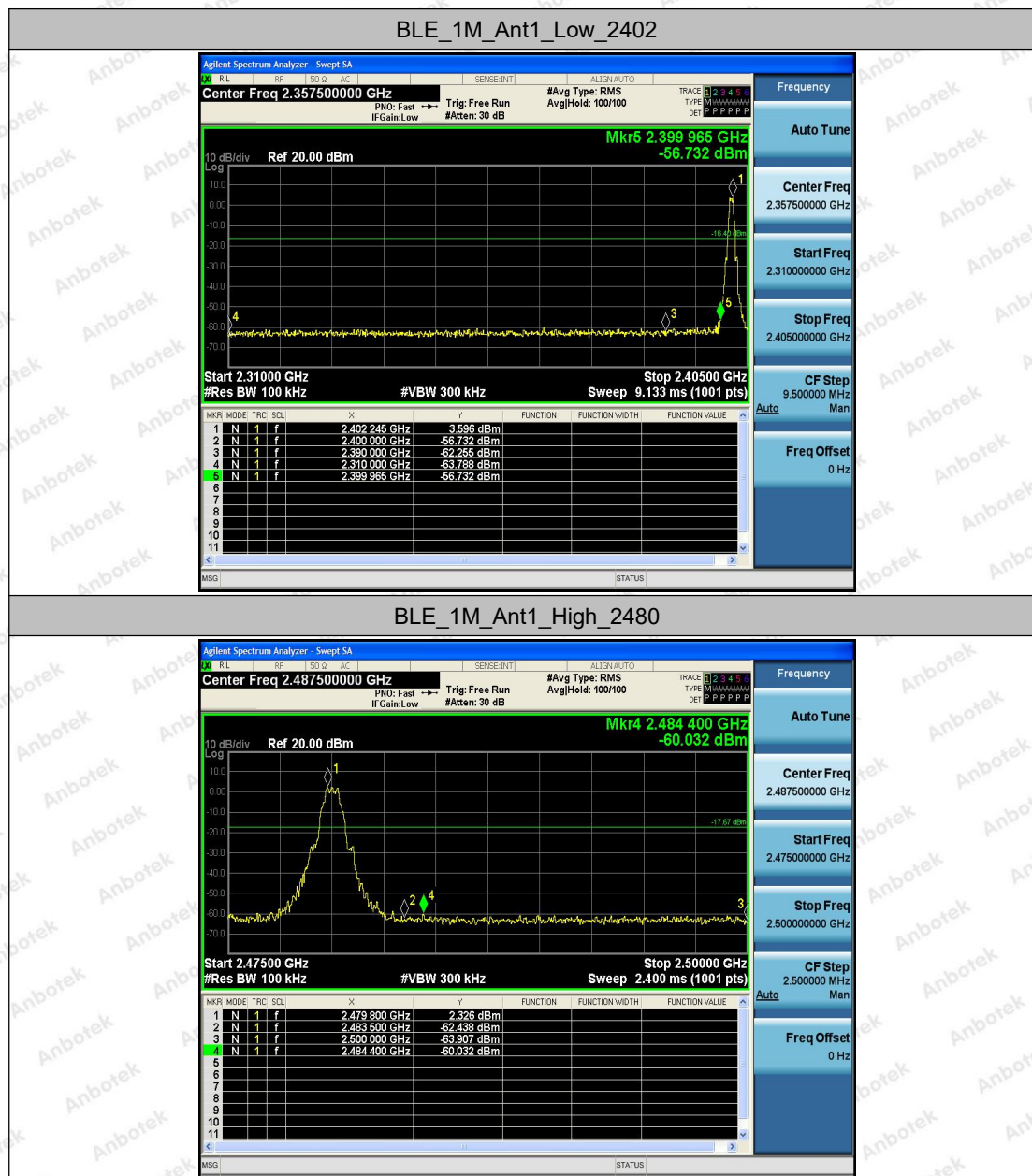
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.60	-56.73	≤ -16.4	PASS
		High	2480	2.33	-60.03	≤ -17.67	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

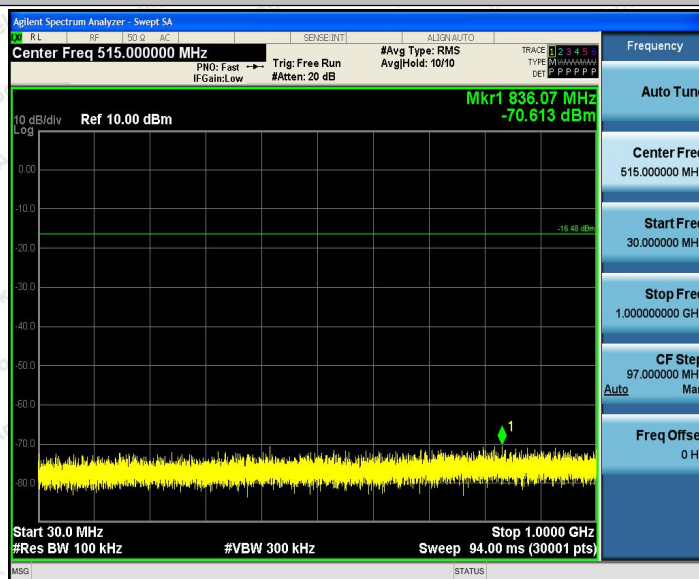
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-70.61	≤-16.48	PASS
			1000~265 00	3.52	-55.75	≤-16.48	PASS
		2440	Reference	3.58	3.58	---	PASS
			30~1000	3.58	-70.43	≤-16.42	PASS
			1000~265 00	3.58	-55.68	≤-16.42	PASS
		2480	Reference	1.99	1.99	---	PASS
			30~1000	1.99	-70.45	≤-18.01	PASS
			1000~265 00	1.99	-54.91	≤-18.01	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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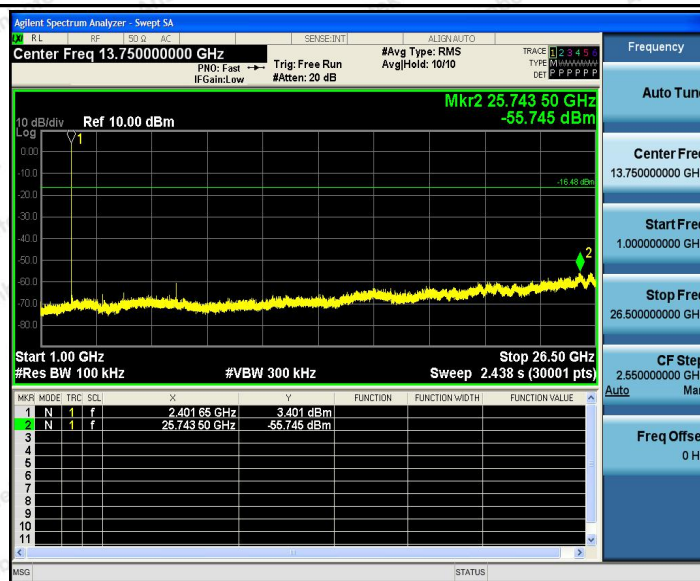
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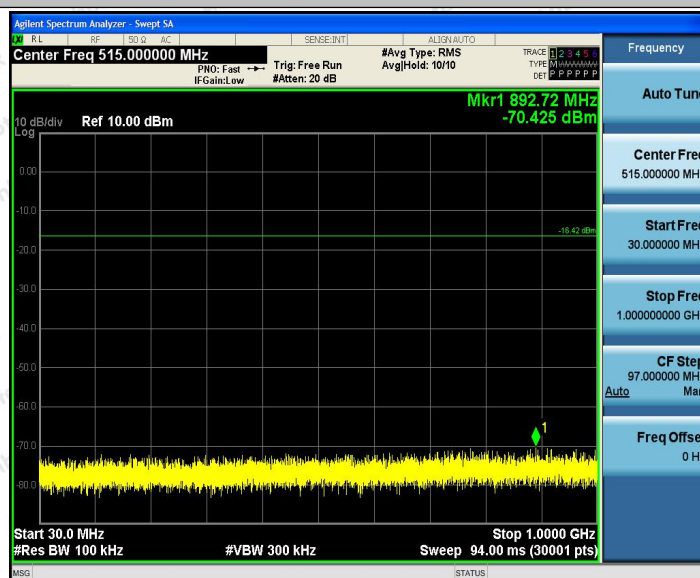
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



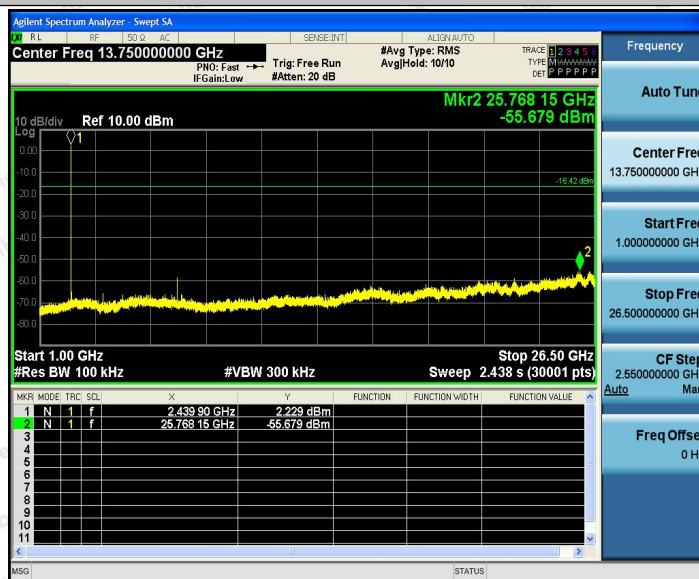
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

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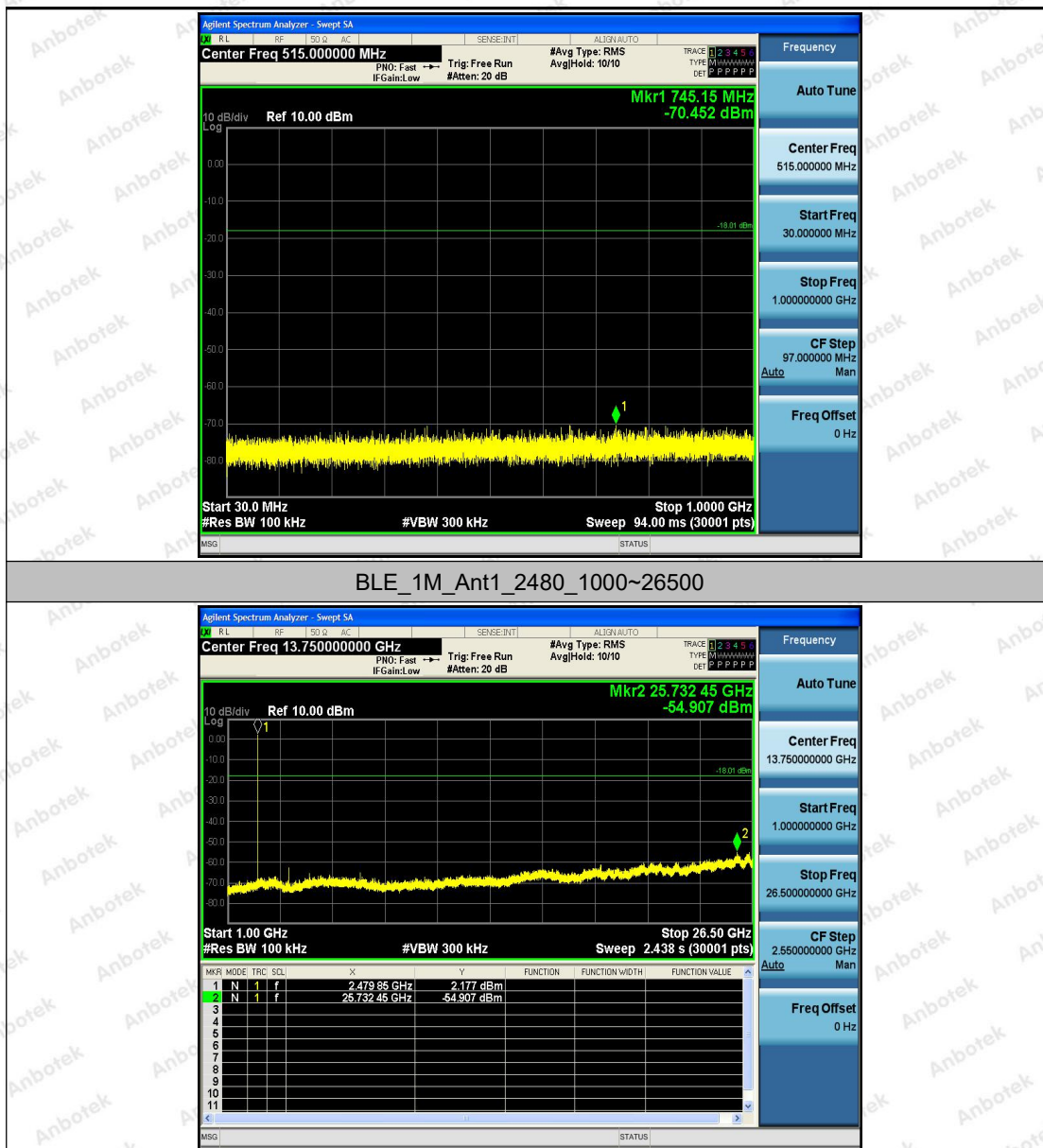
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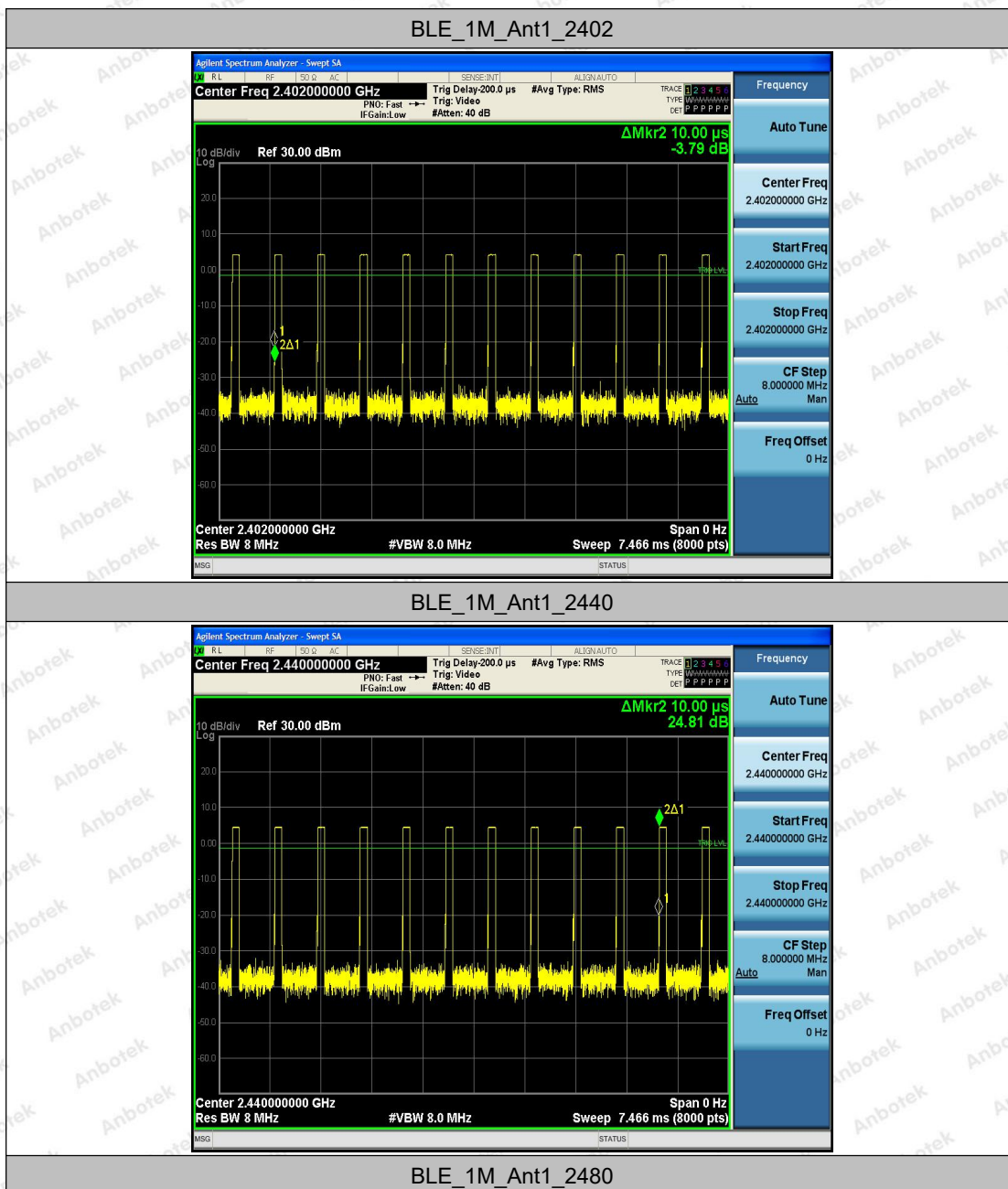
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.00	0.01	0.000 0	100	正无穷 大	---	PASS
		2440	0.00	0.01	0.000 0	100	正无穷 大	---	PASS
		2480	0.10	0.61	0.163 9	16.39	7.85	---	PASS

Test Graphs



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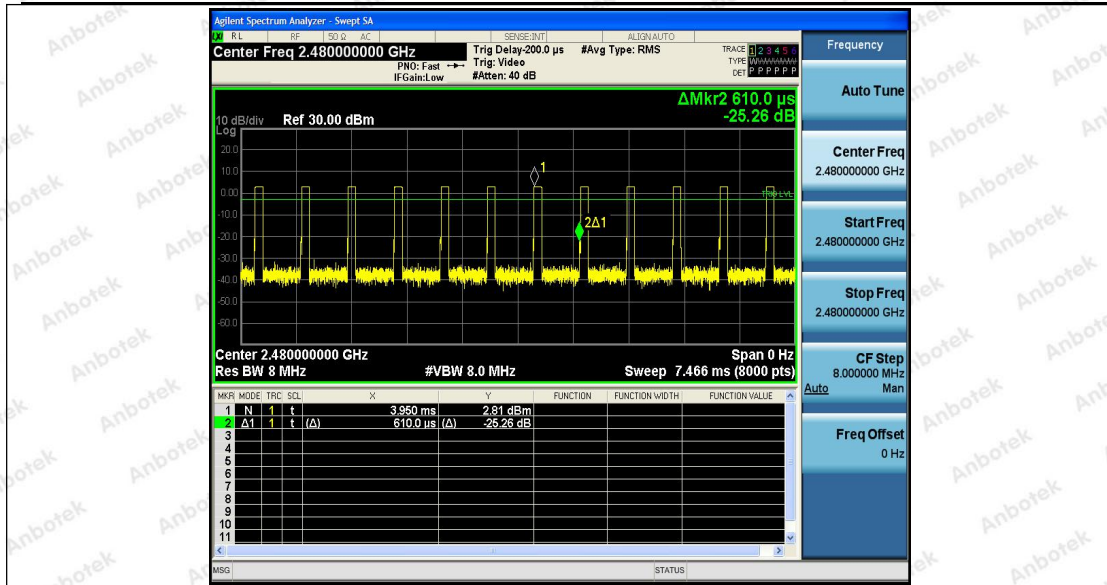
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