

PIM Test Report

Operator: ANOTHER TRY

Site: SW_TEST_1

Frequency: PCS/AWS

Test Date: 5/19/2011

Tested By: JJB

Test Equipment:

Model: PCS/AWS

SN: 00:50:C2:61:A0:E3

Software Rev: 4.3.2

Firmware Rev: 3.1.0

Report Rev: X-1.0.4



Site: SW_TEST_1

Sector: ALPHA

Feeder: RR

PIM & Return Loss

TEST PARAMETERS

F1 Frequency	F1 Power	F2 Frequency	F2 Power	IM Product	IM Frequency
1935.0 MHz	43.0 dBm	1985.0 MHz	43.0 dBm	3	1885.0 MHz

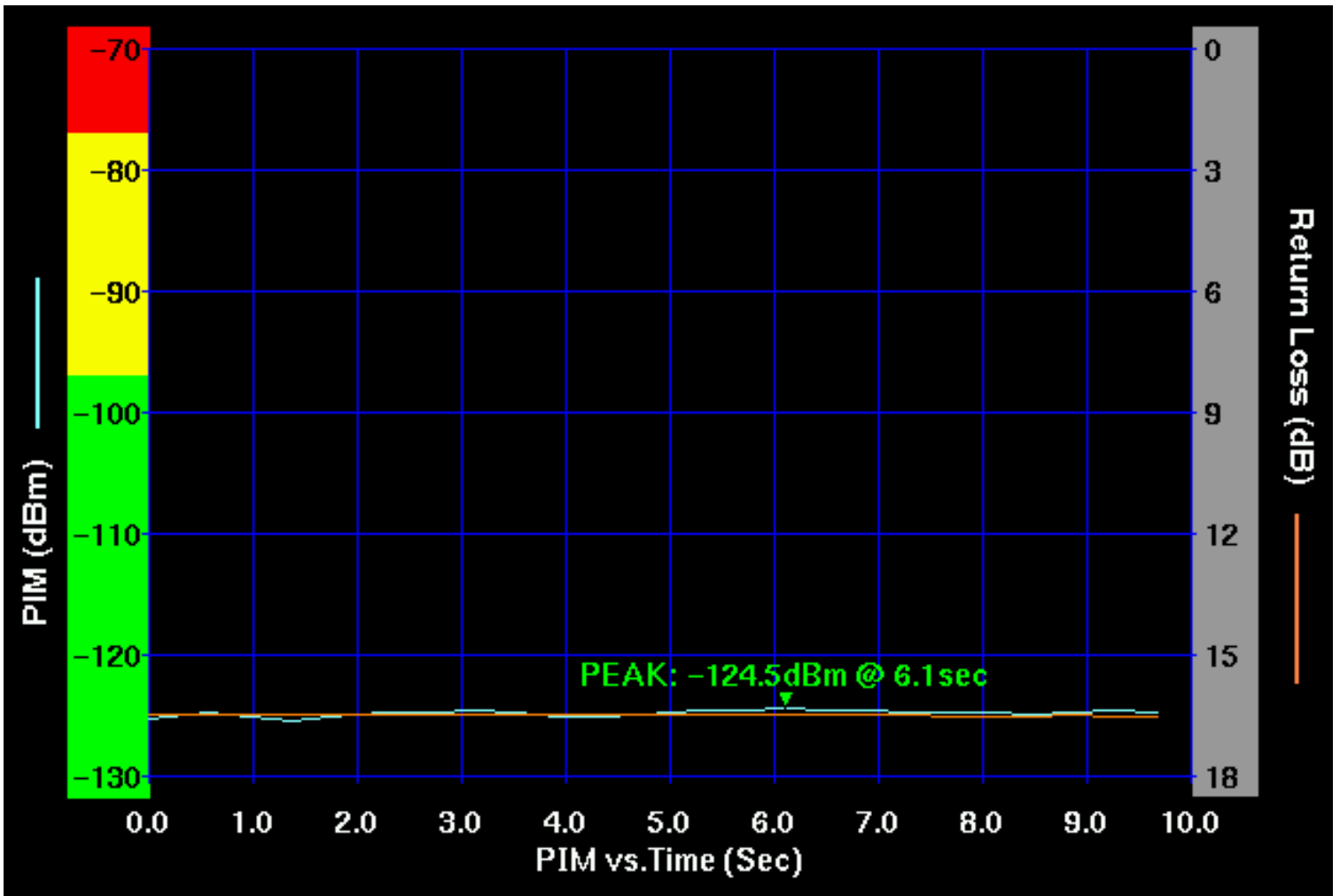
PASS/FAIL LIMITS

Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	Date Time	PIM	R.Loss	Result	Comments
PIM Load	5/19/11 10:10:08	-124.7 dBm -167.7 dBc	16.5 dB	PASS	
PIM Load	5/19/11 10:10:48	-125.8 dBm -168.8 dBc	16.5 dB	PASS	

PIM & Return Loss vs. Time



TEST PARAMETERS

F1 Frequency	F1 Power	F2 Frequency	F2 Power	IM Product	IM Frequency
1935.0 MHz	43.0 dBm	1985.0 MHz	43.0 dBm	3	1885.0 MHz

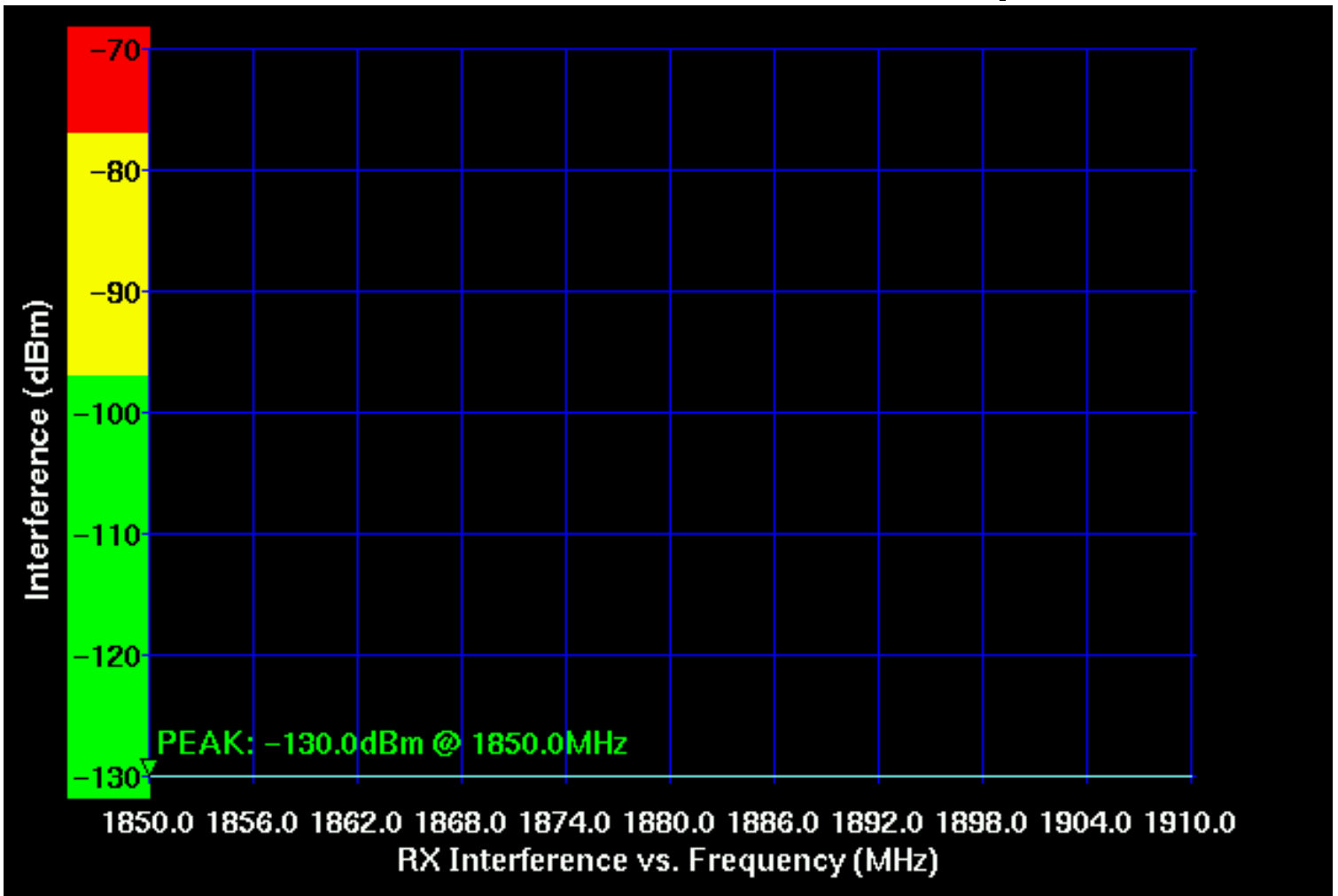
PASS/FAIL LIMITS

Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	PIM Load
Time	5/19/11 @ 10:11:41
Max IM	-124.5 dBm/ -167.5 dBc
Min Return Loss	16.5 dB
Result	Pass
Comment	

Rx Interference Sweep



TEST PARAMETERS

Start Frequency	End Frequency	Frequency Step
1850.0 MHz	1910.0 dBm	1.0 MHz

PASS/FAIL LIMITS

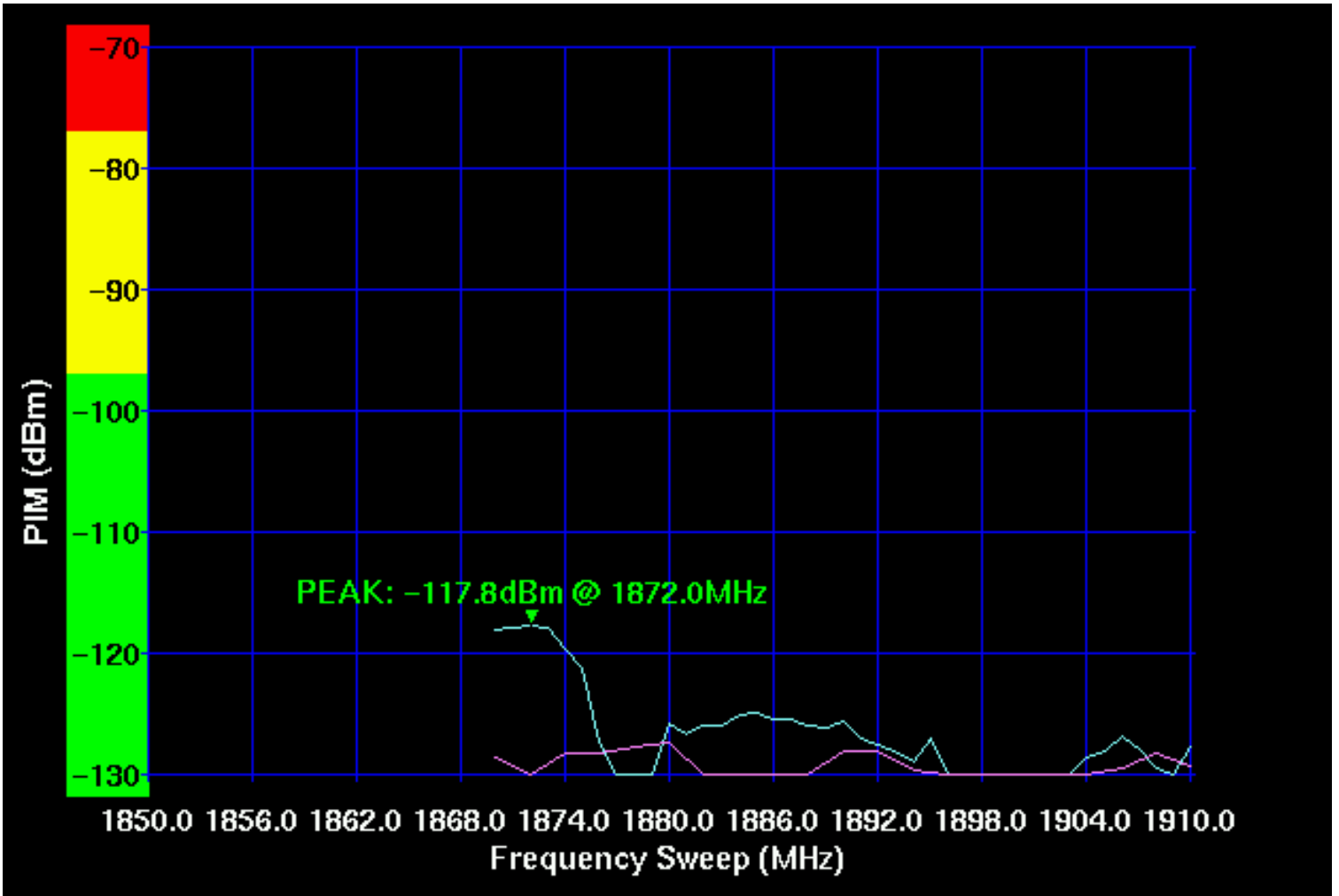
Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	PIM Load
Time	5/19/11 @ 10:12:34
Max Rx Signal	-130.0 dBm / -173.0 dBc @ 1850.0 MHz
Result	Pass
Comment	

Note: dBc values are relative to two 43.0 dBm tones

Frequency Sweep



TEST PARAMETERS

Rx Start Frequency	Rx End Frequency	Power Level	IM
1850.0 MHz	1910.0 MHz	43.0 dBm	3

PASS/FAIL LIMITS

Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	PIM Load
Time	5/19/11 @ 10:13:30
Max PIM	-117.8 dBm / -160.8 dBc @ 1872.0 MHz, F1 = 1935.0 MHz, F2 = 1998.0 MHz
Result	Pass
Comment	

Site: SW_TEST_1

Sector: ALPHA

Feeder: RR

PIM & Return Loss

TEST PARAMETERS

F1 Frequency	F1 Power	F2 Frequency	F2 Power	IM Product	IM Frequency
1935.0 MHz	43.0 dBm	1985.0 MHz	43.0 dBm	3	1885.0 MHz

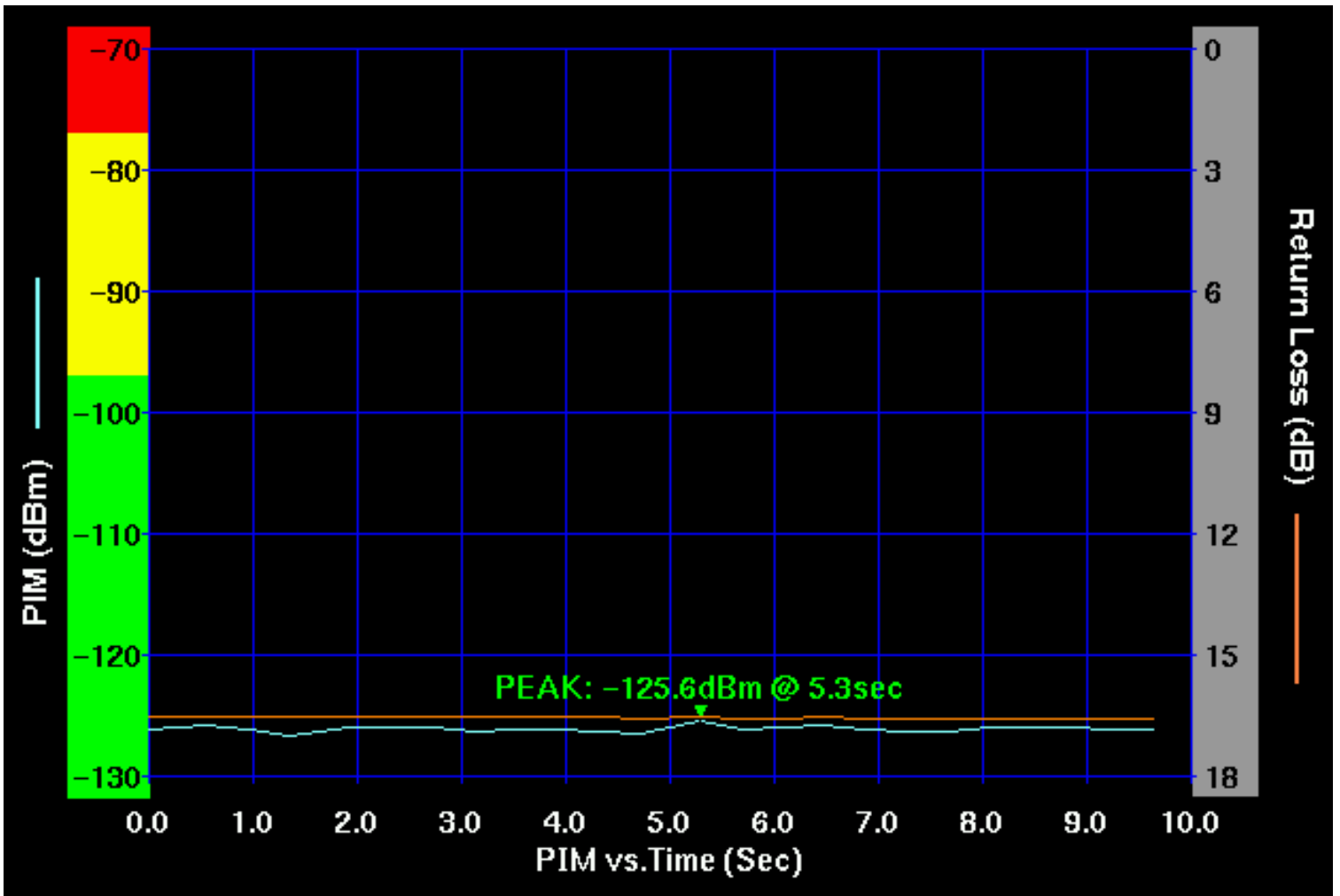
PASS/FAIL LIMITS

Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	Date Time	PIM	R.Loss	Result	Comments
PIM Load	5/19/11 09:07:26	-126.0 dBm -169.0 dBc	16.6 dB	PASS	

PIM & Return Loss vs. Time



TEST PARAMETERS

F1 Frequency	F1 Power	F2 Frequency	F2 Power	IM Product	IM Frequency
1935.0 MHz	43.0 dBm	1985.0 MHz	43.0 dBm	3	1885.0 MHz

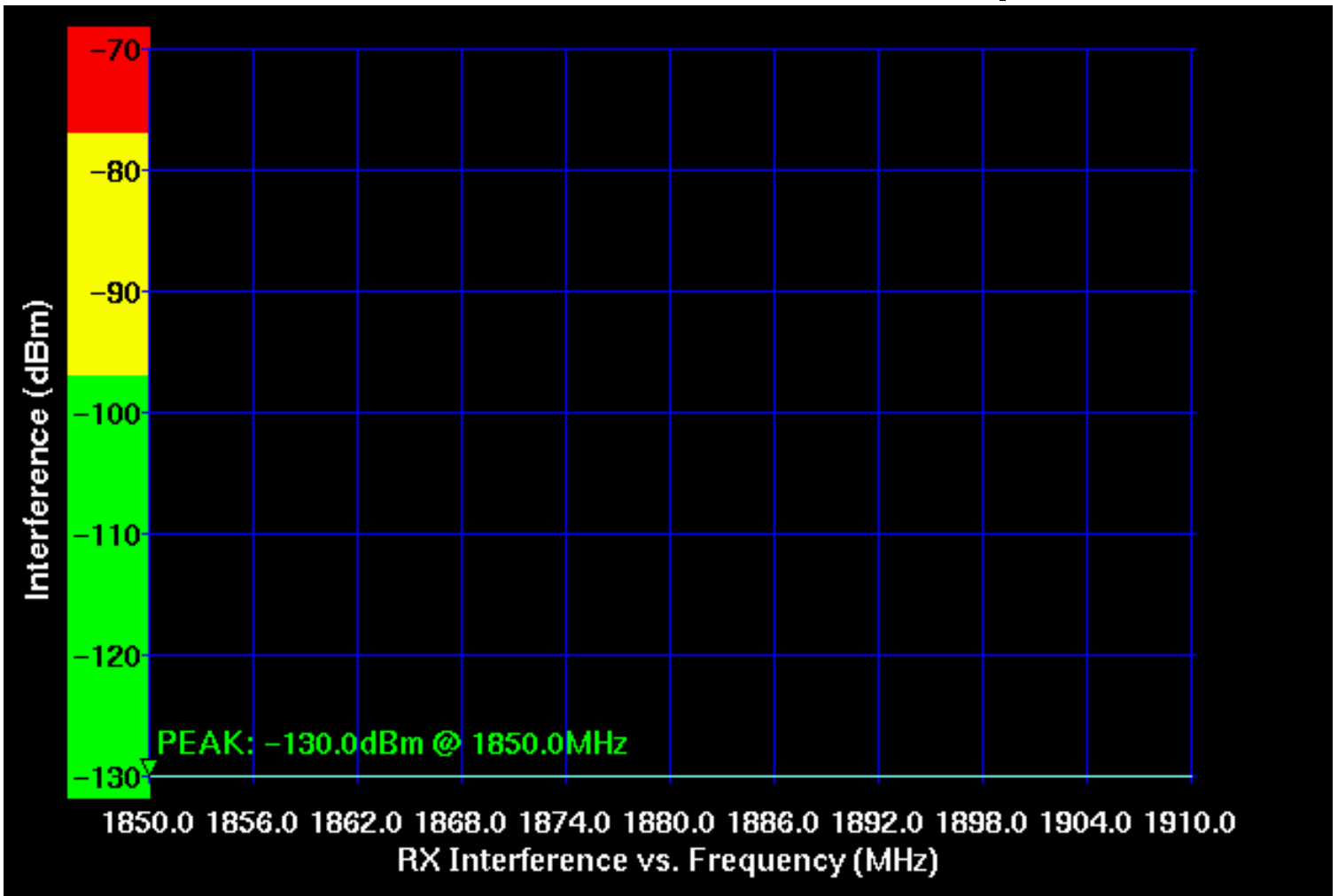
PASS/FAIL LIMITS

Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	PIM Load
Time	5/19/11 @ 09:10:16
Max IM	-125.6 dBm/ -168.6 dBc
Min Return Loss	16.5 dB
Result	Pass
Comment	

Rx Interference Sweep



TEST PARAMETERS

Start Frequency	End Frequency	Frequency Step
1850.0 MHz	1910.0 MHz	1.0 MHz

PASS/FAIL LIMITS

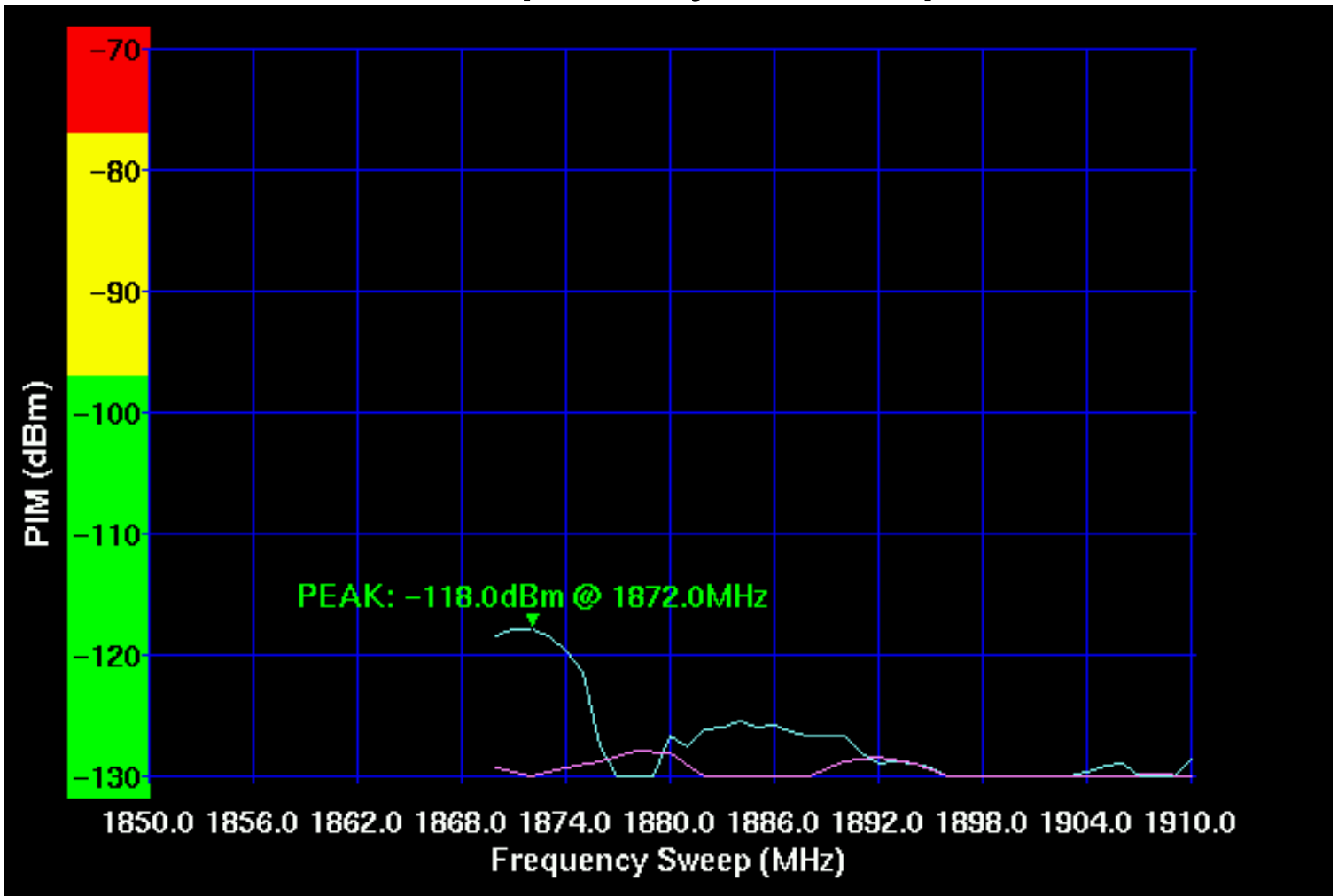
Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	PIM Load
Time	5/19/11 @ 09:11:11
Max Rx Signal	-130.0 dBm / -173.0 dBc @ 1850.0 MHz
Result	Pass
Comment	

Note: dBc values are relative to two 43.0 dBm tones

Frequency Sweep



TEST PARAMETERS

Rx Start Frequency	Rx End Frequency	Power Level	IM
1850.0 MHz	1910.0 MHz	43.0 dBm	3

PASS/FAIL LIMITS

Pass	Marginal	Fail
PIM < -97.0 dBm	-77.0 dBm > PIM > -97.0 dBm	PIM > -77.0 dBm
PIM < -140.0 dBc	-120.0 dBc > PIM > -140.0 dBc	PIM > -120.0 dBc

TEST RESULTS

Test Point	PIM Load
Time	5/19/11 @ 09:12:07
Max PIM	-118.0 dBm / -161.0 dBc @ 1872.0 MHz, F1 = 1935.0 MHz, F2 = 1998.0 MHz
Result	Pass
Comment	