

PIM Test Report

Operator: TEST1

Site: DESK

Frequency: 850MHz

Test Date: 9/25/2013

Tested By: JJB

Test Equipment:

Model: 850MHz

SN: 00:50:C2:61:A0:84

Software Rev: 4.16.1

Firmware Rev: 3.8.1

Report Rev: 1.3.1



Site: DESK

Sector: NONE

Feeder: NONE

PIM & Return Loss

TEST PARAMETERS

F1 Frequency	F1 Power	F2 Frequency	F2 Power	IM Product	IM Frequency
869.0 MHz	43.0 dBm	894.0 MHz	43.0 dBm	3	844.0 MHz

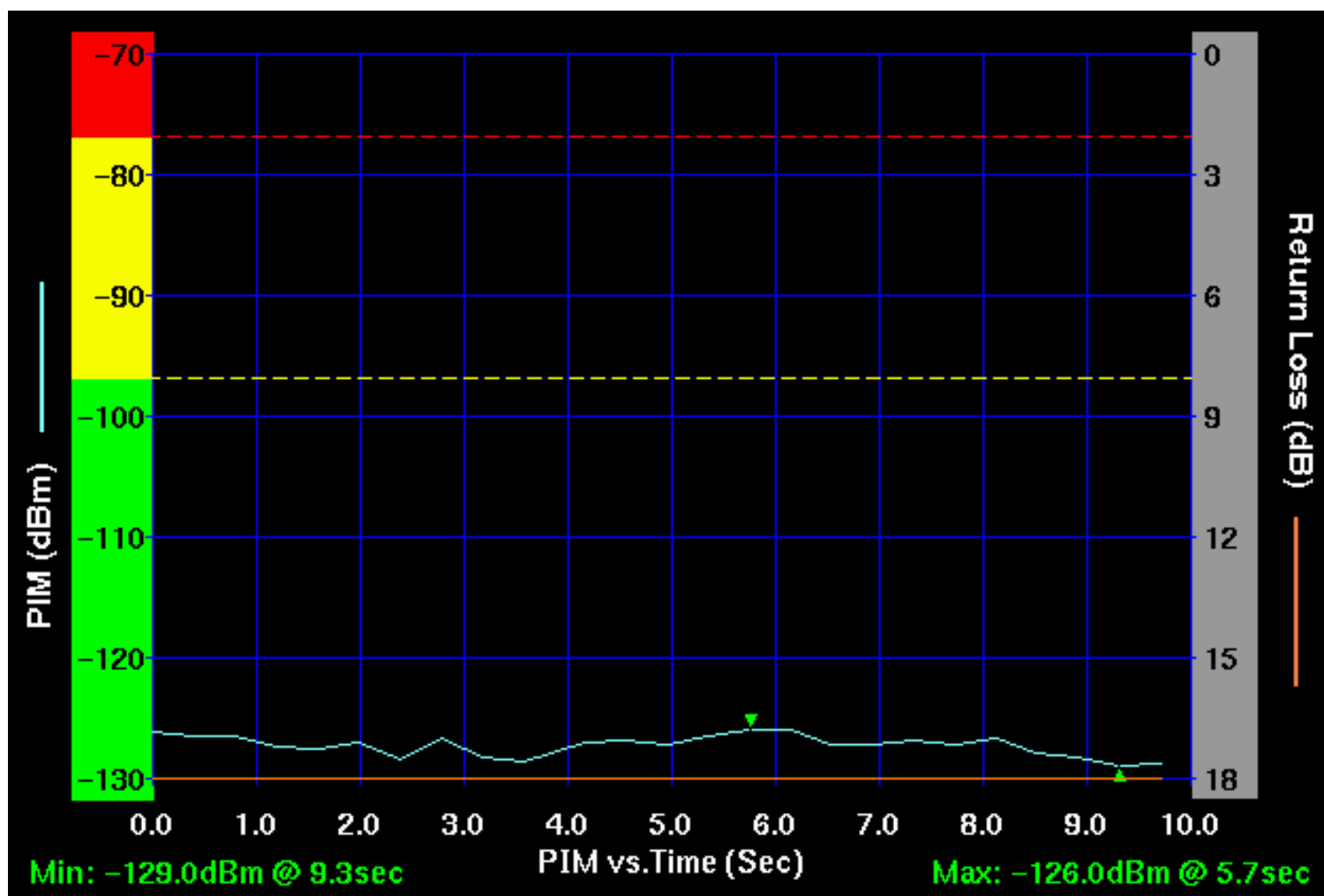
PASS/FAIL LIMITS

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	9/25/13 11:54:36	-127.9 dBm -170.9 dBc	22.9 dB	PASS	
PIM Load	9/25/13 11:54:58	-126.7 dBm -169.7 dBc	23.1 dB	PASS	
PIM Load	9/25/13 11:55:10	-135.0 dBm -178.0 dBc	N/A	Tx OFF	
PIM Load	9/25/13 12:05:45	-127.9 dBm -170.9 dBc	22.9 dB	PASS	

PIM & Return Loss vs. Time



TEST PARAMETERS

F1 Frequency	F1 Power	F2 Frequency	F2 Power	IM Product	IM Frequency
869.0 MHz	43.0 dBm	894.0 MHz	43.0 dBm	3	844.0 MHz

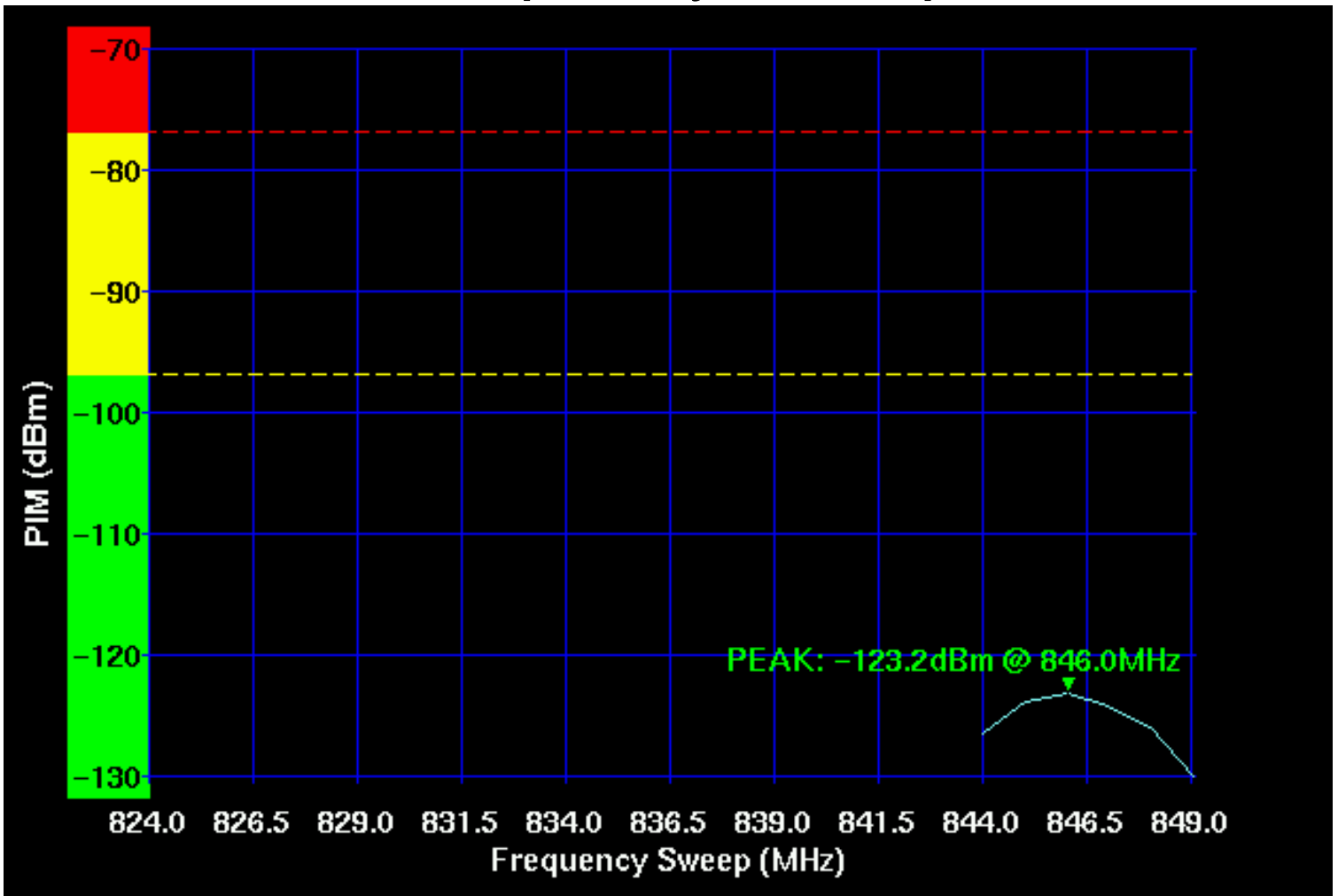
PASS/FAIL LIMITS

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	9/25/13 @ 12:06:17
Max IM	-126.0 dBm/ -169.0 dBc
Min Return Loss	18.0 dB
Result	Pass
Comment	

Frequency Sweep



TEST PARAMETERS

Rx Start Frequency	Rx End Frequency	Power Level	IM
824.0 MHz	849.0 MHz	43.0 dBm	3

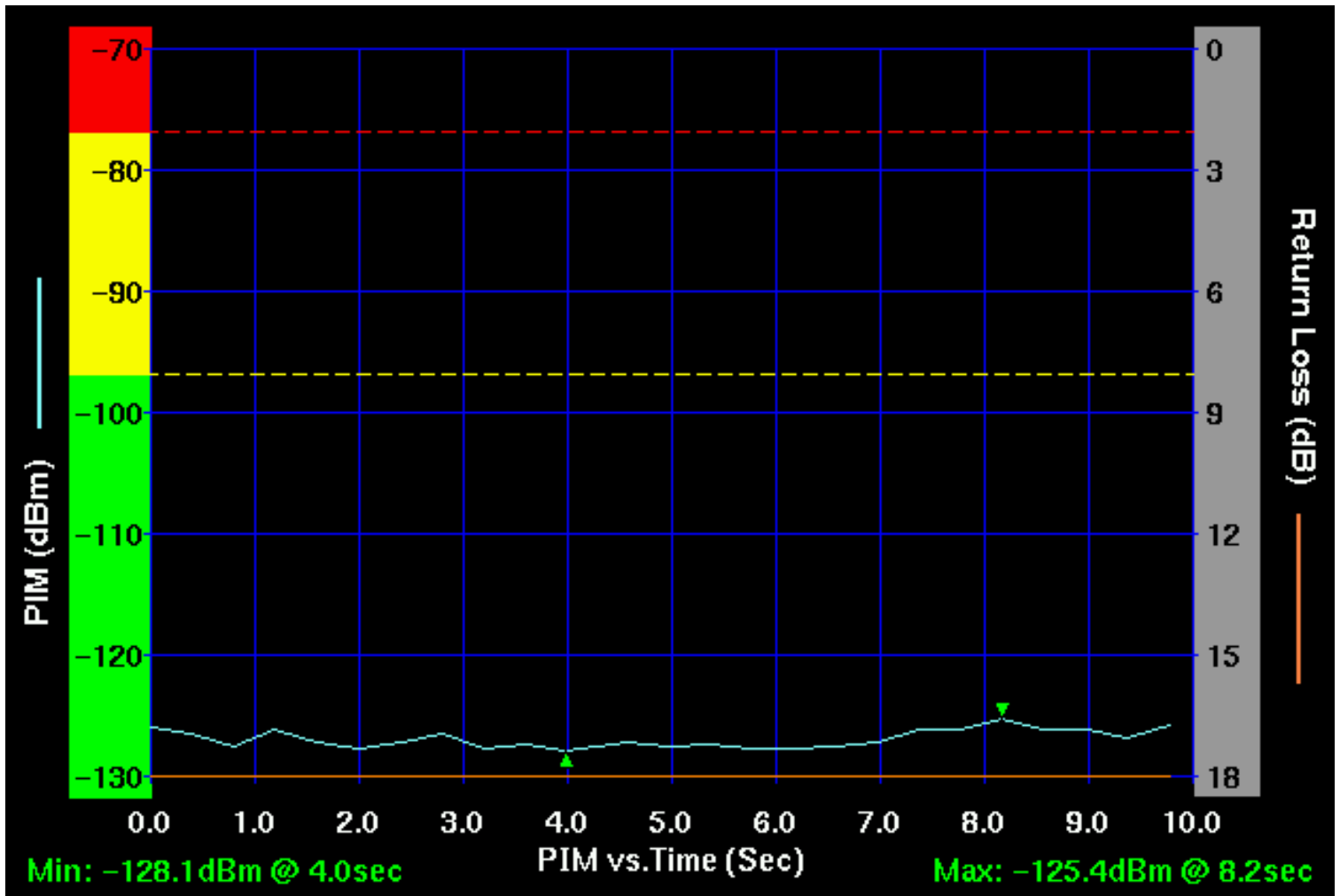
PASS/FAIL LIMITS

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	9/25/13 @ 12:06:40
Max PIM	-123.2 dBm / -166.2 dBc @ 846.0 MHz, F1 = 869.0 MHz, F2 = 892.0 MHz
Result	Pass
Comment	

PIM & Return Loss vs. Time



TEST PARAMETERS

F1 Frequency	F1 Power	F2 Frequency	F2 Power	IM Product	IM Frequency
869.0 MHz	43.0 dBm	894.0 MHz	43.0 dBm	3	844.0 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	9/25/13 @ 12:07:59
Max IM	-125.4 dBm/ -168.4 dBc
Min Return Loss	18.0 dB
Result	Pass
Comment	