



**SL3010T**

Test Report

FOR

FCC Certifications

**FCC ID: N7NSL5011**

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## 1 Introduction and Purpose

This document provides test data for the SL3010T modem intended for FCC certifications. The tests included in this report are limited to RF Power Output for the FCC Class II Permissive change verification.

## 2 Test Summary

FCC Rule	DESCRIPTION OF TEST	RESULT	PAGE
2.1046	RF Power Output	Complies	4

## 3 Description of Equipment under Test

The SL3010T modem, referred to as “EUT” hereafter, is a multi-band wireless modem operating on the CDMA2000 networks. EUT support 850MHz and 1900MHz, so this test report only contains data for these two bands (850MHz and 1900MHz).

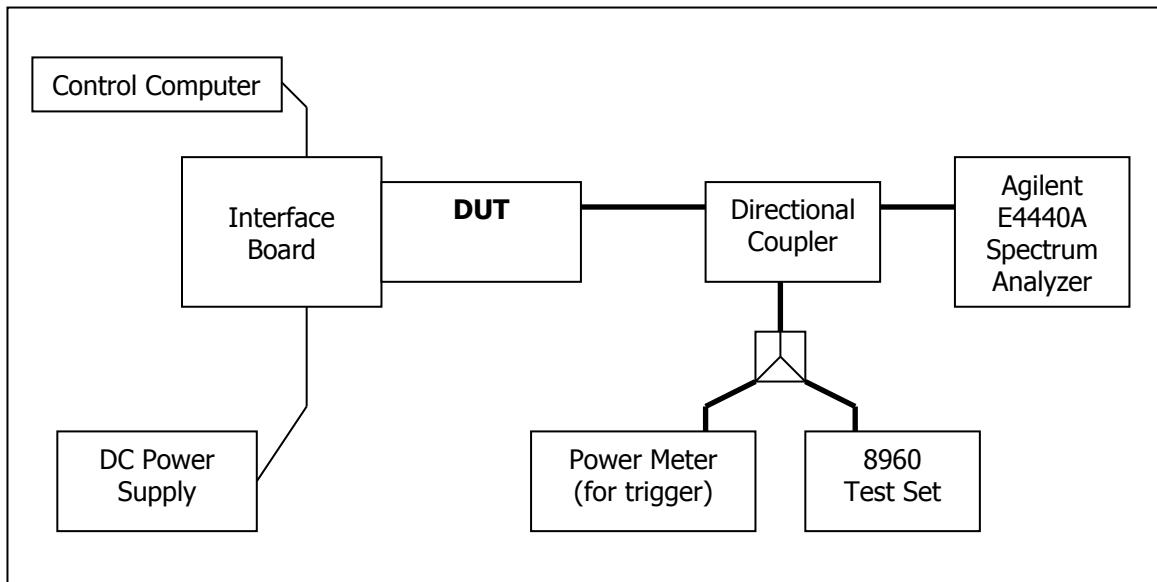
## 4 RF Power Output

### FCC 2.1046

#### **4.1 Test Procedure**

The transmitter output was connected to an Agilent 8960 Test Set and configured to operate at maximum power in a call. The power was measured using the spectrum analyzer at three equally spaced operating frequencies for each band. The RBW was set to 1230 KHz for the CDMA2000 and EVDO measurements. The spectrum analyzer was set to measure the RF output power with the cable and coupler losses accounted for.

#### Test Setup



#### **4.2 Test Equipment**

EQUIPMENT	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DATE
Control Computer	TC	Generic PC	100488	N/A
Wireless Test Set	Agilent	8960	MY50260409	September17, 2012
Spectrum Analyzer	Agilent	E4440A	MY48250234	September17, 2012
DC Power Supply	HP	66311B	MY43006721	N/A
Interface Board	Shop built		N/A	N/A
Directional Coupler	Krytar	152010	111269	N/A

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## 4.3 Test Results Cellular band

EUT Mode	Frequency (MHz)	CH	RMS Power (dBm)	Peak Power (dBm)
CDMA 2000	824.70	1013	23.38	27.88
	836.52	384	23.64	28.18
	848.31	777	23.54	28.04

## 4.4 Test Results PCS band

EUT Mode	Frequency (MHz)	CH	RMS Power (dBm)	Peak Power (dBm)
CDMA 2000	1851.25	25	23.85	28.35
	1880	600	23.94	28.44
	1908.75	1175	23.78	28.28