



# FCC RF Test Report

**APPLICANT** : Sonim Technologies, Inc.  
**EQUIPMENT** : LTE Phone  
**BRAND NAME** : Sonim  
**MODEL NAME** : XP5800(PG2112)  
**FCC ID** : WYPPG2132  
**STANDARD** : FCC Part 15 Subpart E §15.407  
**CLASSIFICATION** : (NII) Unlicensed National Information Infrastructure

This is a data re-used report which is only valid together with the original test report. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.



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Approved by: James Huang / Manager

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China***



## **TABLE OF CONTENTS**

<b>1</b>	<b>GENERAL DESCRIPTION .....</b>	<b>4</b>
1.1	Applicant .....	4
1.2	Manufacturer .....	4
1.3	Product Feature of Equipment Under Test .....	4
1.4	Product Specification of Equipment Under Test .....	4
1.5	Modification of EUT .....	5
1.6	Re-use of Measured Data .....	6

### **APPENDIX A. REFERENCE REPORT**



## REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR792101-01D	Rev. 01	Initial issue of report	Dec. 04, 2017

# 1 General Description

## 1.1 Applicant

Sonim Technologies, Inc.

1825 S. Grant St., Suite 200., San Mateo, CA, 94402

## 1.2 Manufacturer

Sonim Technologies (Shenzhen) Limited

2nd Floor, No. 2 Building Phase B, Daqian Industrial park, Longchang Road, 67 District, Baoan, Shenzhen, P. R. China

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	LTE Phone
Brand Name	Sonim
Model Name	XP5800(PG2112)
FCC ID	WYPPG2132
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/ DC-HSDPA/HSPA+ (16QAM uplink is not supported)/LTE WLAN2.4G 802.11b/g/n HT20/HT40 WLAN5G 802.11a/n HT20/HT40 Bluetooth v3.0 + EDR/ Bluetooth v4.0 LE/ Bluetooth v4.2 LE
HW Version	A
SW Version	5SA.0.0-00-7.1.2-10.32.01
EUT Stage	Identical Prototype

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Antenna Gain / Gain	<5180 MHz ~ 5240 MHz> PIFA Antenna with gain 2.00 dBi <5260 MHz ~ 5320 MHz > PIFA Antenna with gain 2.00 dBi <5500 MHz ~ 5720 MHz> PIFA Antenna with gain 2.00 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)

**Note:** WLAN operation in 5600 MHz ~ 5650 MHz is notched.



## **1.5 Modification of EUT**

No modifications are made to the EUT during all test items.



## **1.6 Re-use of Measured Data**

### **1.6.1 Introduction Section**

This application re-uses data collected on a similar device. The subject device of this application (Model: XP5800(PG2112), FCC ID: WYPPG2132) is electrically identical to the reference device (Model: XP5800(PC2111), FCC ID: WYPPC2100) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 178919 D01.

### **1.6.2 Difference Section**

For details concerning the similarity with respect to component placement, mechanical/electrical design etc., please refer to the Product Equality Declaration.

The re-used RF data includes the following bands provided in Appendix A (Sporton RF Report No. FR792101D for the reference device Model: XP5800(PC2111), FCC ID: WYPPC2100):

### **1.6.3 Spot Check Verification Data Section**

In order to confirm hardware similarity of the subject device with the reference device, spot check measurements were performed on the subject device for radiated spurious emission, the test result were consistent with FCC ID: WYPPC2100.

Assertions concerning the similarity of these devices are based on representations by the applicant. The applicant accepts full responsibility for the validity of the similarity claim, and for the determination that verification test data are sufficient to support it.

### **1.6.4 Reference detail Section:**

Equipment Class	Reference FCC ID	Folder Test	Report Title/Section
NII (B1~3)	WYPPC2100	Part15E(FR792101D)	All sections applicable
NII (B4)	WYPPC2100	Part15E(FR792101E)	All sections applicable
NII (DFS)	WYPPC2100	Part15E(FZ792101)	All sections applicable



## **Appendix A. Reference Report**

Please refer to Sporton report number FR792101D which is issued separately.