



Test Report

Report No. W07 – S097

Name of Product: Sonim XP1 Handset

Model/type: XP1 / XP1(bt)

Applicant : Sonim Technologies, Inc.

Factory: Shenzhen Sang Fei Consumer
Communications Company Limited

Manufacturer: Sonim Technologies, Inc.


Safety and EMC Testing Center of Electronic Industry



TEST REPORT

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Product	Sonim XP1 Handset	Model/type	XP1 / XP1(bt)
Date of production	/	Sample quantity	36 sets
Test purpose	Entrusted-test	Sample source	Submitted by factory
Factory	Shenzhen Sang Fei Consumer Communications Company Limited	Name of applicant	Sonim Technologies, Inc.
Test specification	MIL 810F		
Testing Date	Date of start:2007/8/20 Date of finished: 2007/9/29		
Testing environment	Temperature : 25°C ; Humidity : 55%RH ; Atmospheric pressure : 101kPa		
Testing Description	<p>According to the MIL-STD-810F, high temperature testing, low temperature testing, rain testing, sand and dust testing, shock testing, vibration testing, temperature shock testing, salt fog testing, solar radiation testing and humidity testing are conducted on the sample of handset.</p> <p>Test equipment: Z-100L temperature and humidity chamber LC-1 water spray testing equipment SC-020 dust chamber SC450 salt fog testing chamber TSE-10 Temperature Shock chamber Xe-3 Solar radiation testing chamber CP-100 Shock testing equipment</p>		
Verdict	Qualified. 合格		
Tested by	高云飞	Date : 2007.9.29	Safety and EMC Testing Center of Electronic Industry (Stamp) 
Checked by	王莹	Date : 2007.9.30	
Reviewed by	王莹	Date :2007.9.30	
Notes :			

No.	Testing Clause	Requirements	Result
1	High Temperature: (MIL-STD-810F Method 501.4)	Procedure 2 High temperature operation Temperature: 30-43°C Humidity: 14-44%RH Time: 3 cycles The sample number: 1~4	During the tests, handsets can work normally. It's qualified.
2	Low Temperature: (MIL-STD-810F Method 502.4)	Procedure 2 Low temperature operation Temperature: -30°C Time: 4h The sample number: 5~8	During the tests, handsets can work normally. It's qualified.
3	Rain: (MIL-STD-810F Method 506.4)	Procedure 1 Rainfall: 10cm/h Diameter of raindrop: 0.5~4.5mm Wind speed: 18m/s The sample number: 9~10	No water enters the handsets during the rain testing. It's qualified.
4	Sand and Dust: (MIL-STD-810F Method 510.4)	Procedure 1 Dust thickness: 10.6g±7g/m ³ Time: 28h The sample number: 11~12	No dusts enters the enclosure of the handsets during the sand and dust testing. The enclosure is not injured during the sand and dust testing. It's qualified.
5	Road Shock: (MIL-STD-810F Method 516.5)	Procedure 3 Acceleration: 30g Width of impulse: 11ms 3 directions, 6 times per direction The sample number: 13~16	After the tests, the handsets can work normally. No mechanical injury found on any of the test samples after the tests. It's qualified.

No.	Testing Clause	Requirements	Result
6	Road Vibration: (MIL-STD-810F Method 514.5)	Procedure 1 Acceleration: 4g Frequency: 5~200~5Hz 3 directions, 30min per direction The sample number: 17~20	After the tests, the handsets can work normally. No mechanical injury found on any of the test samples after the tests. It's qualified.
7	Temperature Shock: (MIL-STD-810F Method 503.4)	Procedure 1 High temperature: 70°C Low temperature: -55°C Time: 6h The sample number: 21~24	After the tests, the handsets can work normally. It's qualified.
8	Salt Fog: (MIL-STD-810F Method 509.4)	Fall of salt fog: 1~2ml Temperature: 35°C Time: 48h The sample number: 25~26	After the tests, the handsets can work normally. The enclosure is not injured during the salt fog testing. It's qualified.
9	Solar Radiation: (MIL-STD-810F Method 505.4)	Procedure 1 Radiation intensity: 0~1120w/m ² Temperature: 32~49°C Time: 144h The sample number: 27~28	After the tests, the handsets can work normally. The color of the enclosure became thinner after the solar radiation testing. It's qualified.
10	Humidity: (MIL-STD-810F Method 507.4)	Humidity: 95% About each cycle: the 1 st step: 30°C~60°C 4h the 2 nd step: 60°C 8h the 3 rd step: 60°C~30°C 4h the 4 th step: 30°C 21h the 5 th step: 30°C~20°C 1h the 6 th step: 20°C 4h	During the tests, the handsets can work normally. It's qualified.

No.	Testing Clause	Requirements	Result
		the 7 th step: 20°C~30°C 1h the 8 th step: 30°C 5h 48h/cycle, 5 cycles The sample number: 29~32	
11	Drop / Transport Shock: (MIL-STD-810F Method 516.5)	Procedure 4 Drop height: 122cm Drop time: 26 The sample number: 33~36	After the tests, the handsets can work normally. No mechanical injury found on any of the test samples after the tests. It's qualified.

Photos



NOTES

- 1 . **This test report is invalid without testing stamp.**
 - 2 . **This test report shall not be reproduced except in full without the written approval of the testing laboratory.**
 - 3 . **The test results presented in this report relate only to the object tested.**
 - 4 . **If you have any question for the test report, please appeal to testing center within 30 days.**
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