



## Test Report

Prepared for: Comprod Communications Ltd.

Model: 700PS Industrial Public Safety Booster

Description: 30 dBm BDA 700 with MCU

Serial Number: 5F35565

FCC ID: WDM-BDA764806

To

FCC Part 1.1310

Date of Issue: December 14, 2015

On the behalf of the applicant:

Comprod Communications Ltd.  
88 boul, Industriel  
Boucherville, QB J4B 2X2  
Canada

Attention of:

Jawad Abulnour, Engineer  
Ph: (514) 777-2892  
Email: [jawad@comprodcom.com](mailto:jawad@comprodcom.com)

Prepared By  
Compliance Testing, LLC  
1724 S. Nevada Way  
Mesa, AZ 85204  
(480) 926-3100 phone / (480) 926-3598 fax  
[www.compliancetesting.com](http://www.compliancetesting.com)  
Project No: p15a0018

Alex Macon  
Project Test Engineer

This report may not be reproduced, except in full, without written permission from Compliance Testing  
All results contained herein relate only to the sample tested



### Test Report Revision History

<b>Revision</b>	<b>Date</b>	<b>Revised By</b>	<b>Reason for Revision</b>
1.0	December 14, 2015	Alex Macon	Original Document



## ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

Please refer to <http://www.compliancetesting.com/labscope.html> for current scope of accreditation.

Testing Certificate Number: **2152.01**



**FCC Site Reg. #349717**

**IC Site Reg. #2044A-2**

### **Non-accredited tests contained in this report:**

**N/A**

### **EUT Description**

**Model:** 700PS Industrial Public Safety Booster

**Description:** 30 dBm BDA 700 with MCU

**Firmware:** N/A

**Software:** N/A

**Serial Number:** 5F35685

**Additional Information:** The EUT is classified as a Part 90 PS **Class B** industrial signal booster

The EUT is a Bi-directional Amplifier that operates from 794–806 MHz (Mobile to Base) and 764–776 MHz (Base to Mobile).

The following emission designators listed are representative emission designators used by transmitters whose signal is amplified by this booster.

### **EUT Operation during Tests**

The EUT was tested under normal operating conditions with the front panel attenuators set to 0 dB for all measurements.

MPE calculations were performed at the manufacturer's maximum output of +31.5 dBm using an antenna with 0 dBi gain.

**MPE Evaluation**

This is a fixed device used in Uncontrolled Exposure environment.

**Limits Uncontrolled Exposure****47 CFR 1.1310****Table 1, (B)**

0.3-1.234 MHz:	Limit [mW/cm <sup>2</sup> ] = 100
1.34-30 MHz:	Limit [mW/cm <sup>2</sup> ] = (180/f <sup>2</sup> )
30-300 MHz:	Limit [mW/cm <sup>2</sup> ] = 0.2
300-1500 MHz:	Limit [mW/cm <sup>2</sup> ] = f/1500
1500-100,000 MHz	Limit [mW/cm <sup>2</sup> ] = 1.0

**Test Data**

**Uplink Output Power set to manufacturer's (Mfr) maximum output power (+31.5 dBm) using an antenna with 0 dBi gain**

**Test Data**

Test Frequency, MHz	764
Power, Conducted, mW (P)	1410
Antenna Gain Isotropic	0dBi
Antenna Gain Numeric (G)	1
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$	Power mW (P)	Numeric Gain (G)	Distance (r <sup>2</sup> ) cm
0.2805188604	1410	1	20

Power Density (S) = 0.280
Limit =(from above table) = 0.509

END OF TEST REPORT