



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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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.
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Attention of:

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Alex Macon
Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
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 ²] = 100
1.34-30 MHz:	Limit [mW/cm ²] = (180/f ²)
30-300 MHz:	Limit [mW/cm ²] = 0.2
300-1500 MHz:	Limit [mW/cm ²] = f/1500
1500-100,000 MHz	Limit [mW/cm ²] = 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 Density (S) mw/cm ²	Power mW (P)	Numeric Gain (G)	Distance (r ²) cm
0.2805188604	1410	1	20

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

END OF TEST REPORT