



Nemko

Test Report: 2W06701


Applicant: Coverage Solutions Corp.
2901 W. Busch Blvd.
Suite 900
Tampa, FL 33618, USA

**Equipment Under Test:
(EUT)** BDA-SMR-2/2W60-N89

FCC ID: QQRBN892W60

In Accordance With: **FCC Part 90, Subpart I**
Private Land Mobile Repeater

Tested By: Nemko Canada Inc.
303 River Road, R.R. 5
Ottawa, Ontario K1V 1H2

Authorized By: 
Glen Westwell, Wireless Technologist

Date: 20 December 2002

Total Number of Pages: 37

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Section 1. Summary of Test Results

General

All measurements are traceable to national standards.

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 90, Subpart I.



New Submission



Production Unit



Class II Permissive Change



Pre-Production Unit



Equipment Code

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

See " Summary of Test Data".



TESTED BY: _____ DATE: 20 December 2002

Kevin Carr, EMC Specialist

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This report applies only to the items tested.

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Summary Of Test Data

Name Of Test	Para. No.	Result
RF Power Output	2.985	Complied
Audio Frequency Response	TIA EIA-603.3.2.6	N/A
Audio Low-Pass Filter Response	TIA EIA-603.3.2.6	N/A
Modulation Limiting	TIA EIA-603.3.2.6	N/A
Occupied Bandwidth	2.989	Complied
Spurious Emissions at Antenna Terminals	2.991	Complied
Field Strength of Spurious Emissions	2.993	Complied
Frequency Stability	2.995	N/A
Transient Frequency Behavior	—	N/A

Footnotes For N/A's:

All Tests were conducted with the AGC circuitry enabled, and verified with AGC disabled.
The EUT is a f1-f1 amplifier, as such frequency stability was not performed.
The EUT contains no Audio Circuitry

Deviation

A QAM signal was substituted for Idenn Modulation

Indoor Temperature: 23°C
 Humidity: 15%

Outdoor Temperature: 7°C
 Humidity: 95%

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Section 2. General Equipment Specification

Manufacturer:	Coverage Solutions Corp.
Model No.	BDA-SMR-2/2W60-N89
Serial No:	02091002
Date Received In Laboratory:	19 Dec. 2002
Nemko Identification No.:	1
Supply Voltage:	120VAC, 60Hz
Frequency Range:	Downlink: 851-866/935-941MHz Uplink: 806-821/896-902MHz
RF Output Power (Rated):	26.0 dBm
RF Output Power (Measured):	Downlink: 24.3 dBm Uplink: 24.3 dBm
Emission Designator:	AMPS, F8W

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Section 3. RF Power Output

Para. No.: 2.985

Test Performed By: Kevin Carr	Date of Test: 19 Dec. 2002
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Minimum Standard: Para. No. 90.205(a).

Test Results: Complied.

Measurement Data:

Frequency (MHz)	Measured Power (dBm)	Measured Power (Watts)
813.5	24.3	0.269
899	25.2	0.331
858.5	24.3	0.269
938	24.3	0.269

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Section 4. Occupied Bandwidth

Para. No.: 2.989

Test Performed By: Kevin Carr	Date of Test: 19 Dec. 2002
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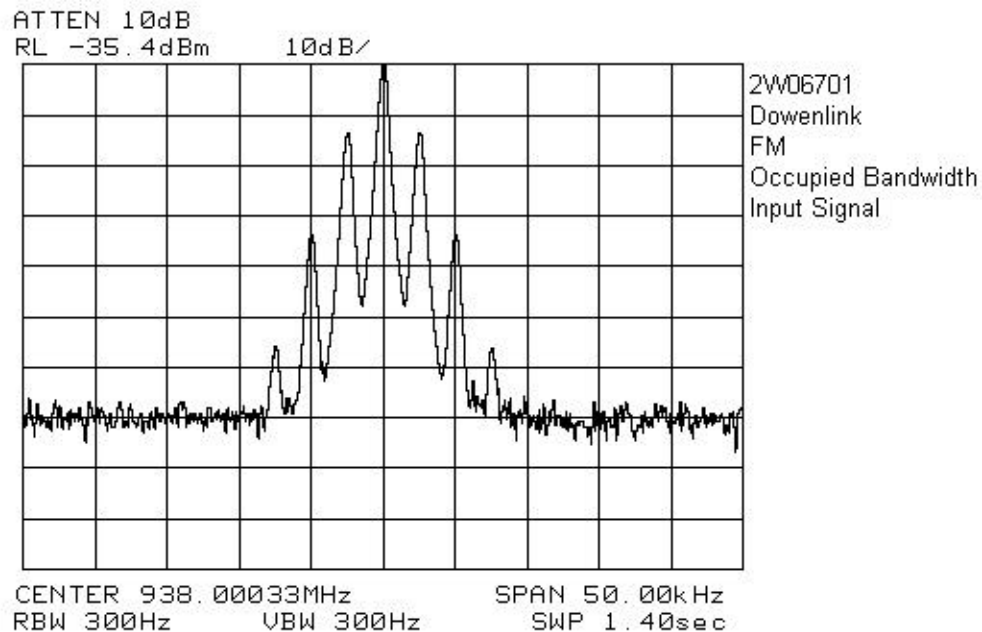
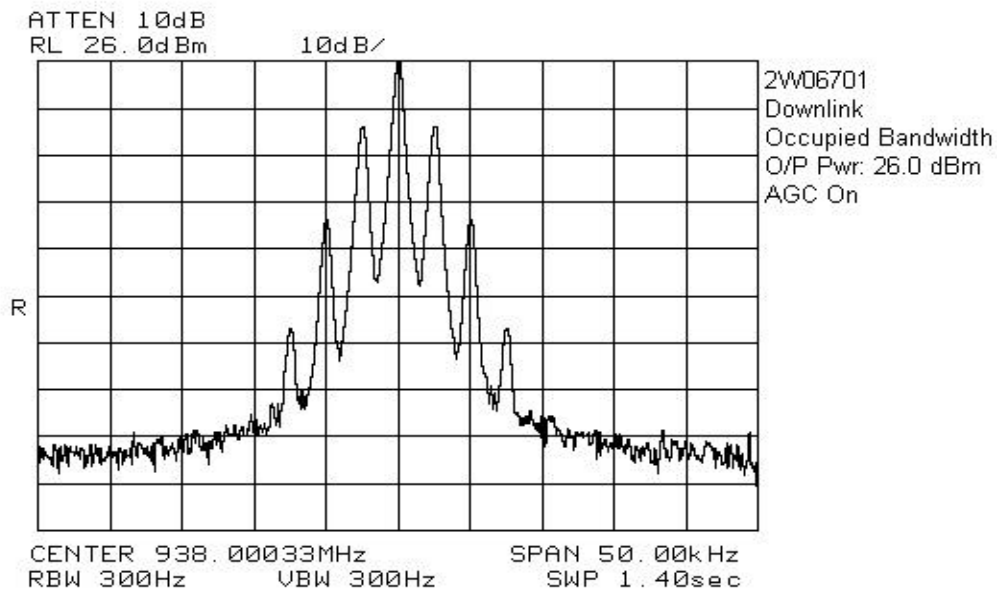
Minimum Standard: Para. No. 90.210

Test Results: Complied.

Measurement Data: See attached graph(s).

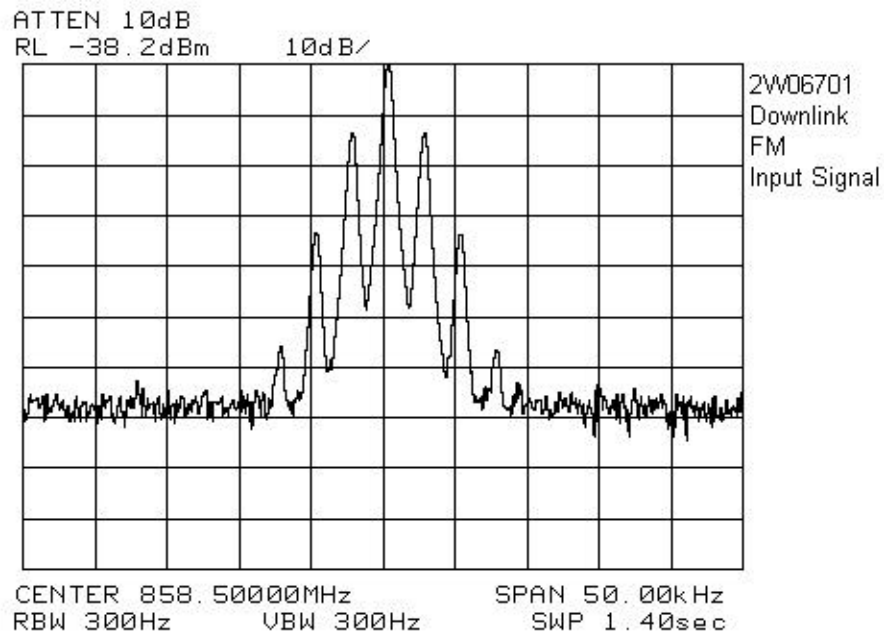
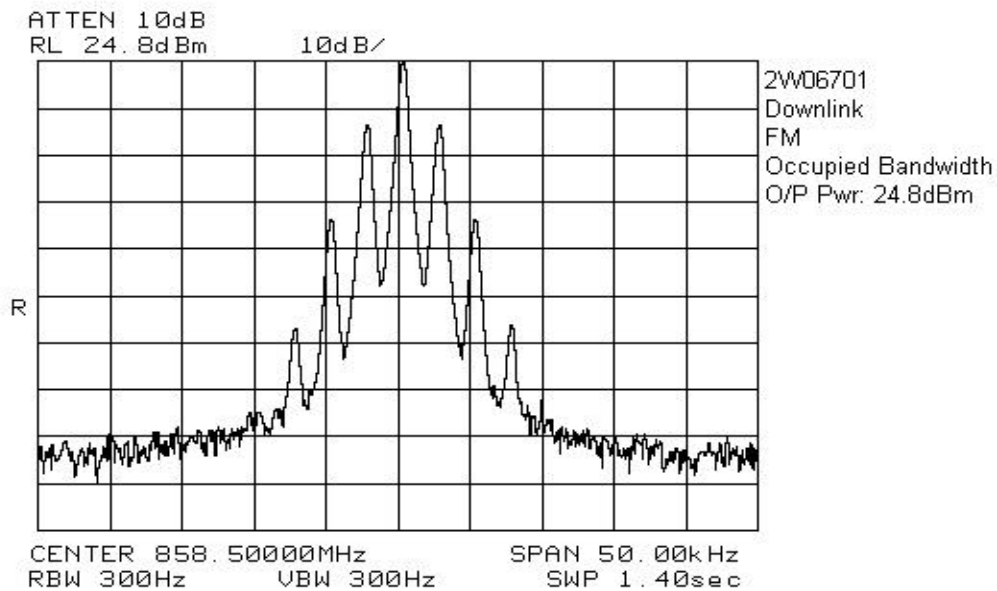
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EQUIPMENT: BDA-SMR-2/2W60-N89

FCC ID:QQRBN892W60



EQUIPMENT: BDA-SMR-2/2W60-N89

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