

## MEASUREMENT AND TECHNICAL REPORT

OMNEX CONTROL SYSTEMS INCORPORATED  
 74-1833 Coast Meridian Road  
 Port Coquitlam, BC V3C 6G5  
 Canada

**DATE: 18 October 2004**

<b>This Report Concerns:</b>	Original Grant:	Class II Change: X
<b>Equipment Type:</b>	LPT900	
<b>Deferred grant requested per 47 CFR 0.457(d)(1)(ii)?</b>	Yes: Defer until:	No: X
<b>Company Name agrees to notify the Commission by:</b> of the intended date of announcement of the product so that the grant can be issued on that date.	N/A	
<b>Transition Rules Request per 15.37?</b>	Yes:	No: X*
(*) FCC Part 15, Paragraph(s) 15.247(c)		
<b>Report Prepared by:</b>	<b>TÜV AMERICA, INC</b> 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone: 858 678 1400 Fax: 858 546 0364	

**TABLE OF CONTENTS**

	<b>Pages</b>
<b>1.0 GENERAL INFORMATION</b>	<u>3</u>
1.1 Product Description	<u>3</u>
1.2 Related Submittal Grant	<u>3</u>
1.3 Tested System Details	<u>3</u>
1.4 Test Methodology	<u>3</u>
1.5 Test Facility	<u>3</u>
<b>2.0 SYSTEM TEST CONFIGURATION</b>	<u>4</u>
2.1 Justification	<u>4</u>
2.2 EUT Exercise Software	<u>4</u>
2.3 Special Accessories	<u>4</u>
2.4 Equipment Modifications	<u>4</u>
2.5 Configuration of Test System	<u>4</u>
<b>3.0 RADIATED SPURIOUS EMISSIONS IN THE RESTRICTED BANDS &amp; DUTY CYCLE EQUIPMENT/DATA</b>	<u>5 - 8</u>
<b>4.0 ATTESTATION STATEMENT</b>	<u>9</u>

**1.0 GENERAL INFORMATION**

**1.1 Product Description**

None

**1.2 Related Submittal Grant**

None

**1.3 Tested System Details**

The FCC ID's for all equipment, plus descriptions of all cables used in the tested system are:

None

**1.4 Test Methodology**

Purpose of Test: To demonstrate compliance with the following tests.

TEST	FCC CFR 47#	PASS/FAIL
Radiated Spurious Emissions in the Restricted Bands	15.247(c)	Pass

Testing were performed according to the procedures in FCC/ANSI C63.4 and CSA 108.8-M1983. **1.5 Test Facility**

The open area test site and conducted measurement data were tested by:

TÜV AMERICA, INC  
 10040 Mesa Rim Road  
 San Diego, CA 92121-2912  
 Phone: 858 678 1400  
 Fax: 858 546 0364

The Test Site Data and performance comply with ANSI C63.4 and are registered with the FCC, 7435 Oakland Mills Road, Columbia Maryland 21046. All Measurement Data is acquired according to the content of FCC Measurement Procedure and ANSI C63.4, unless supplemented with additional requirements as noted in the test report.

## **2.0 SYSTEM TEST CONFIGURATION**

### **2.1 Justification**

The EUT was initially tested for FCC emissions in the following configuration:

See Test Setup Photos Exhibit

### **2.2 EUT Exercise Software**

None

### **2.3 Special Accessories**

None

### **2.4 Equipment Modifications**

None

### **2.5 Configuration of Test System**

See Test Setup Photos Exhibit

**3.0 RADIATED SPURIOUS EMISSIONS IN THE RESTRICTED BANDS & DUTY CYCLE EQUIPMENT/DATA**

**Test Conditions: RADIATED SPURIOUS EMISSIONS IN THE RESTRICTED BANDS & DUTY CYCLE:  
FCC Part 15.247(c)**

**The RADIATED SPURIOUS EMISSIONS IN THE RESTRICTED BANDS & DUTY CYCLE measurements were performed at the San Diego Testing Facility:**

- Test not applicable

■ - Roof (Small Open Area Test Site)

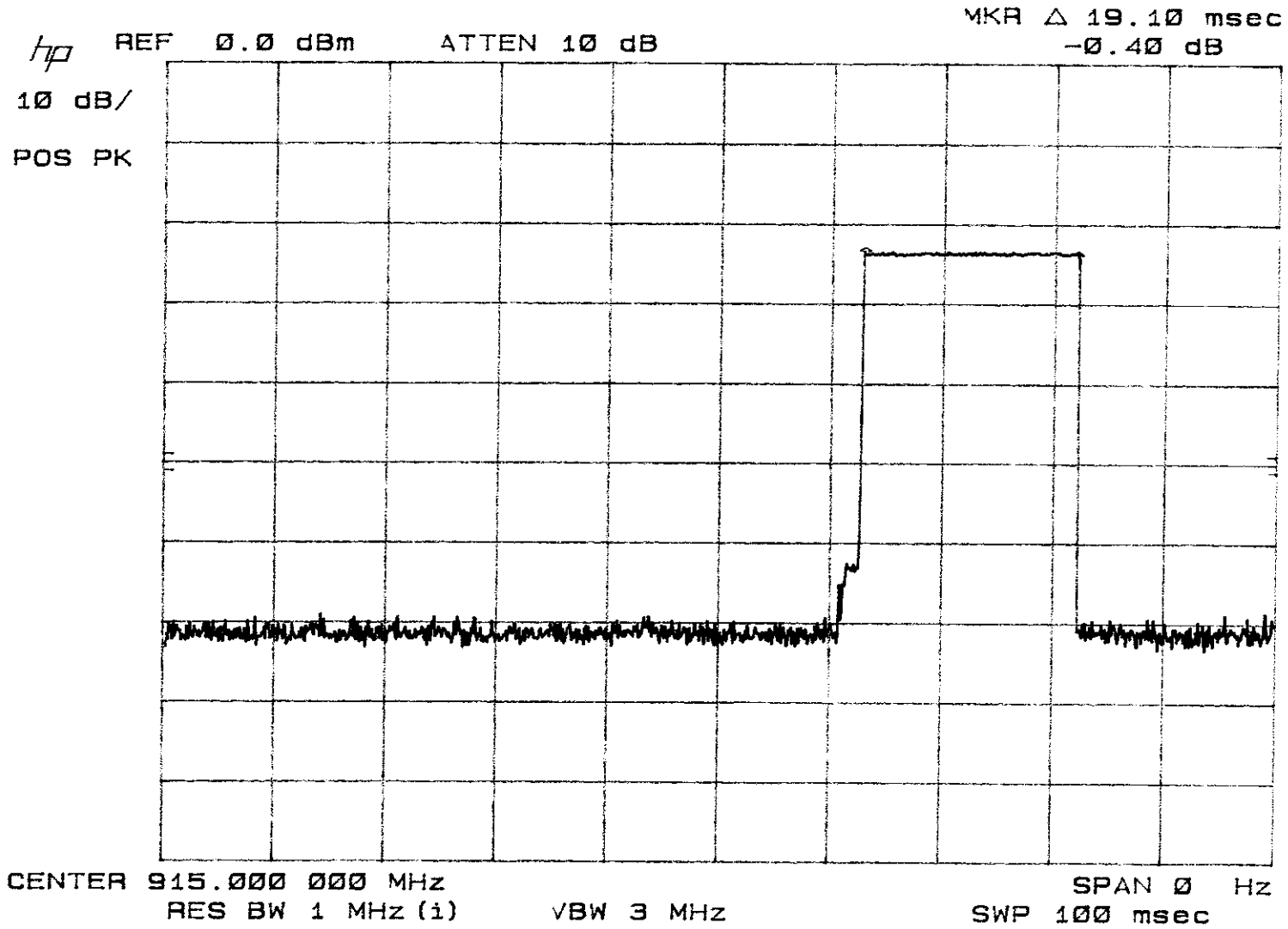
**Test Equipment Used:**

<b>Model No.</b>	<b>Prop. No.</b>	<b>Description</b>	<b>Manufacturer</b>	<b>Serial No.</b>	<b>Date Cal'ed</b>
HP-8566B	744	Spectrum Analyzer	Hewlett Packard	2618A02913	01/04
HP-85650A	746	Quasi-Peak Adapter	Hewlett Packard	2521A00597	VBU*
8445B	809	Automatic Preselector	Hewlett Packard	1442A01127	VBU*
AMF-5D-010180-35-10P	719	RF Amplifier	Miteq	549460	VBU*
3115	251	Double Ridge Guide Antenna	EMCO	2495	01/04
3146	244	Log Periodic Antenna	EMCO	1063	07/04

**Remarks:** One year calibration cycle for all test equipment and sites. (\*) Verified Before Use.



### Duty Cycle Correction



**4.0 ATTESTATION STATEMENT**

**GENERAL REMARKS:**

**SUMMARY:**

All tests were performed per CFR 47, Part(s) **15.247(c)**

■ - Performed

The Equipment Under Test

■ - **Fulfills** the requirements of CFR 47, Part(s) **15.247(c)**

Testing Start Date: 07 October 2004

Testing End Date: 07 October 2004

**- TÜV AMERICA, INC. -**

Responsible Engineer:



Jim Owen  
(EMC Chief Engineer)

Responsible Engineer:



Chuck Rickard  
(EMC Engineer)