

Datalogic Scanning, Inc.

Falcon 44xx-177xx-xxxxxx

August 07, 2007

Report No. PSCI0245

Report Prepared By



www.nwemc.com

1-888-EMI-CERT

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EMC Test Report



22975 NW Evergreen Parkway
Suite 400
Hillsboro, Oregon 97124

Certificate of Test
Issue Date: August 07, 2007
Datalogic Scanning, Inc.
Model: Falcon 44xx-177xx-xxxxx

Emissions			
Test Description	Specification	Test Method	Pass/Fail
Spurious Radiated Emissions	FCC 15.247(DTS):2006	ANSI C63.4:2003 KDB No. 558074	Pass
AC Powerline Conducted Emissions	FCC 15.207:2006	ANSI C63.4:2003	Pass

Approved By:

Ethan Schoonover, Sultan Lab Manager



NVLAP Lab Code: 200630-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.

Revision Number	Description	Date	Page Number
00	None		

FCC: Accredited by NVLAP for performance of FCC radio, digital, and ISM device testing. Our Open Area Test Sites, certification chambers, and conducted measurement facilities have been fully described in reports filed with the FCC and accepted by the FCC in letters maintained in our files. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by the FCC as a Telecommunications Certification Body (TCB). This allows Northwest EMC to certify transmitters to FCC specifications in accordance with 47 CFR 2.960 and 2.962.



NVLAP: Northwest EMC, Inc. is accredited under the United States Department of Commerce, National Institute of Standards and Technology, and National Voluntary Laboratory Accreditation Program for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 2004/108/EC, and ANSI C63.4. Additionally, Northwest EMC is accredited by NVLAP to perform radio testing in accordance with the European Union R&TTE Directive 1999/5/EEC, the requirements of FCC, and the RSS radio standards for Industry Canada.



NVLAP LAB CODE 200629-0
NVLAP LAB CODE 200630-0
NVLAP LAB CODE 200676-0
NVLAP LAB CODE 200761-0

Industry Canada: Accredited by NVLAP for performance of Industry Canada RSS and ICES testing. Our Open Area Test Sites and certification chambers comply with RSS 212, Issue 1 (Provisional) and have been filed with Industry Canada and accepted. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by NIST and recognized by Industry Canada as a Certification Body (CB) per the APEC Mutual Recognition Arrangement (MRA). This allows Northwest EMC to certify transmitters to Industry Canada technical requirements.



CAB: Designated by NIST and validated by the European Commission as a Conformity Assessment Body (CAB) to conduct tests and approve products to the EMC directive and transmitters to the R&TTE directive, as described in the U.S. - EU Mutual Recognition Agreement.



TÜV Product Service: Included in TÜV Product Service Group's Listing of Recognized Laboratories. It qualifies in connection with the TÜV Certification after Recognition of Agent's Testing Program for the product categories and/or standards shown in TÜV's current Listing of CARAT Laboratories, available from TÜV. A certificate was issued to represent that this laboratory continues to meet TÜV's CARAT Program requirements. Certificate No. USA0604C.



TÜV Rheinland: Authorized to carryout EMC tests by order and under supervision of TÜV Rheinland. This authorization is based on "Conditions for EMC-Subcontractors" of November 1992.



NEMKO: Assessed and accredited by NEMKO (Norwegian testing and certification body) for European emissions and immunity testing. As a result of NEMKO's laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification (Authorization No. ELA 119).



Australia/New Zealand: The National Association of Testing Authorities (NATA), Australia has been appointed by the ACA as an accreditation body to accredit test laboratories and competent bodies for EMC standards. Accredited test reports or assessments by competent bodies must carry the NATA logo. Test reports made by an overseas laboratory that has been accredited for the relevant standards by an overseas accreditation body that has a Mutual Recognition Agreement (MRA) with NATA are also accepted as technical grounds for product conformity. The report should be endorsed with the respective logo of the accreditation body (NVLAP).



VCCI: Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. (*Registration Numbers. - Hillsboro: C-1071, R-1025, C-2687, T-289, and R-2318, Irvine: R-1943, C-2766, and T-298, Sultan: R-871, C-1784, and T-294*).



BSMI: Northwest EMC has been designated by NIST and validated by C-Taipei (BSMI) as a CAB to conduct tests as described in the APEC Mutual Recognition Agreement. License No.SL2-IN-E-1017.



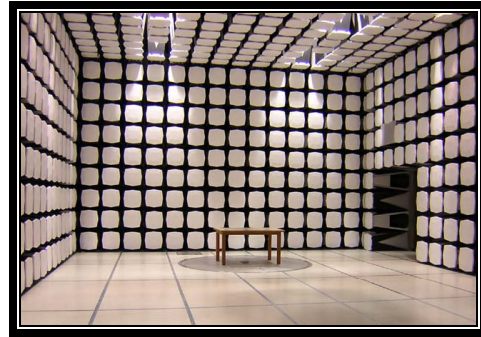
GOST: Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification



SCOPE

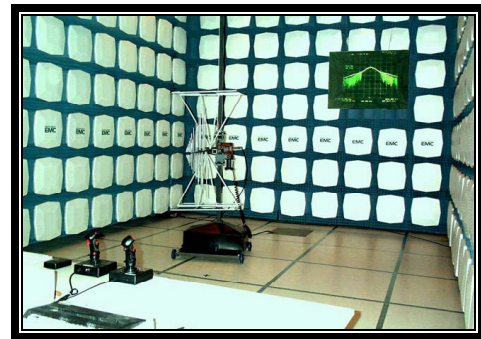
For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/scope.asp>



**California – Orange County Facility
Labs OC01 – OC13**

41 Tesla Ave. Irvine, CA 92618
(888) 364-2378 Fax: (503) 844-3826



**Oregon – Evergreen Facility
Labs EV01 – EV11**

22975 NW Evergreen Pkwy. Suite 400 Hillsboro, OR 97124
(503) 844-4066 Fax: (503) 844-3826



**Washington – Sultan Facility
Labs SU01 – SU07**

14128 339th Ave. SE Sultan, WA 98294
(888) 364-2378

Northwest EMC	Product Description	Rev 11/17/06
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Party Requesting the Test

Company Name:	Datalogic Scanning, Inc.
Address:	959 Terry Street
City, State, Zip:	Eugene, OR 97402-9120
Test Requested By:	Wes Emmert
Model:	Falcon 44xx-177xx-xxxxx
First Date of Test:	July 19, 2007
Last Date of Test:	July 23, 2007
Receipt Date of Samples:	July 19, 2007
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):
Wi-Fi radio module in the Falcon handheld computer.

Testing Objective:
Seeking to demonstrate compliance of the Wi-Fi radio module to FCC 15.247 requirements.

CONFIGURATION 1 PSCI0245

Software/Firmware Running during test	
Description	Version
SDC Test	1.01.12

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
802.11 Radio module	Summit Data Communications	SDC-CF10G	Unknown

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC Adapter	Phihong	PSA31U-120	P61403028A4
Falcon Handheld Computer (Unit 1)	PSC, Inc.	Falcon	Unknown
Charging cradle	PSC, Inc.	7-0856	D106031049
Bluetooth radio	BlueGiga Technologies	WT12-A	Unknown

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC	No	1.8m	No	AC Mains	AC Adapter
DC	No	1.2m	No	Charging cradle	AC Adapter
USB	Yes	1.6m	No	Charging cradle	Unterminated
Serial	Yes	1.6m	No	Charging cradle	Unterminated
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

CONFIGURATION 2 PSCI0245

Software/Firmware Running during test	
Description	Version
SDC Test	1.01.12

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
802.11 Radio module	Summit Data Communications	SDC-CF10G	Unknown

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC Adapter	Phihong	PSA31U-120	P61403028A4
Falcon Handheld Computer (Unit 2)	PSC, Inc.	Falcon	Unknown
Charging cradle	PSC, Inc.	7-0856	D106031049
Bluetooth radio	BlueGiga Technologies	WT12-A	Unknown

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC	No	1.8m	No	AC Mains	AC Adapter
DC	No	1.2m	No	Charging cradle	AC Adapter
USB	Yes	1.6m	No	Charging cradle	Unterminated
Serial	Yes	1.6m	No	Charging cradle	Unterminated
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

Equipment modifications					
Item	Date	Test	Modification	Note	Disposition of EUT
1	7/20/2007	Surious Radiated Emission	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	7/23/2007	AC Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled Testing was completed.

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmitting 802.11(b), 1 Mbps
 Transmitting 802.11(b), 11 Mbps
 Transmitting 802.11(g), 6 Mbps
 Transmitting 802.11(g), 36 Mbps
 Transmitting 802.11(g), 54 Mbps

CHANNELS TESTED

Low, Channel 1, 2412 MHz
 Mid, Channel 6, 2437 MHz
 High, Channel 11, 2462 MHz

POWER SETTINGS INVESTIGATED

120VAC/60Hz

FREQUENCY RANGE INVESTIGATED

Start Frequency 30 MHz Stop Frequency 25 GHz

CLOCKS AND OSCILLATORS

Not provided

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4446A	AAT	12/7/2006	13
Pre-Amplifier	Miteq	AM-1616-1000	AOL	12/29/2006	13
Antenna, Biconilog	EMCO	3141	AXE	12/28/2005	24
EV01 cables c,g, h			EVA	12/29/2006	13
Pre-Amplifier	Miteq	AMF-4D-010100-24-10P	APW	5/10/2007	13
Antenna, Horn	EMCO	3115	AHC	8/24/2006	12
EV01 cables g,h,j			EVB	5/10/2007	13
Pre-Amplifier	Miteq	AMF-4D-005180-24-10P	APC	5/10/2007	13
Antenna, Horn	EMCO	3160-08	AHK	NCR	0
EV01 Cable D			EVD	3/30/2006	18
Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	3/23/2006	17
Antenna, Horn	EMCO	3160-09	AHG	NCR	0
EV01 cables g,h,i			EVF	5/10/2007	13

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

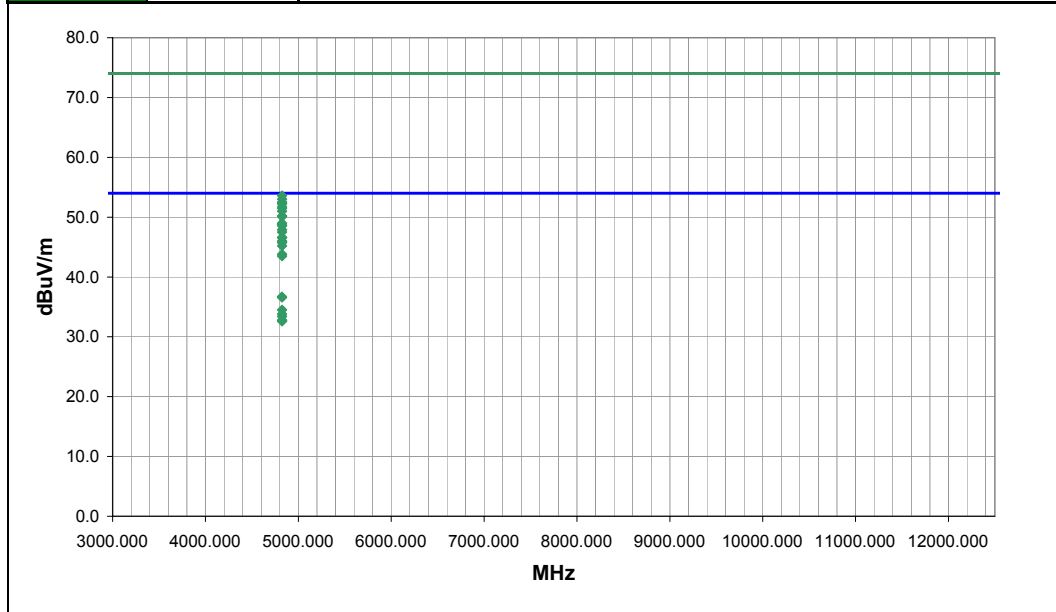
MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.


TEST DESCRIPTION

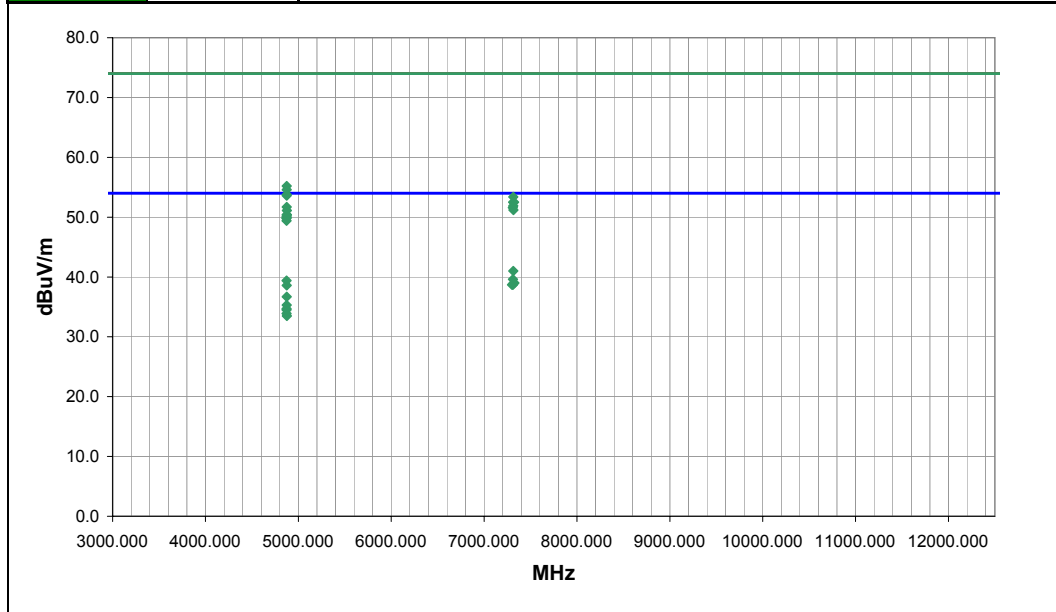
The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.4:2003). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

NORTHWEST EMC		SPURIOUS RADIATED EMISSIONS		PSA 2007.05.07 EMI 2006.12.20	
EUT: Falcon 44xx-177xx-xxxxx			Work Order: PSCI0245		
Serial Number: Unit 2			Date: 07/19/07		
Customer: Datalogic Scanning, Inc.			Temperature: 24		
Attendees: None			Humidity: 38%		
Project: None			Barometric Pres.: 29.95		
Tested by: Rod Peloquin		Power: 120VAC/60Hz		Job Site: EV01	
TEST SPECIFICATIONS			Test Method		
FCC 15.247 (DTS):2006			ANSI C63.4:2003 KDB No. 558074		
TEST PARAMETERS					
Antenna Height(s) (m)		1 - 4		Test Distance (m) 3	
COMMENTS					
EUT OPERATING MODES					
Transmitting 802.11, low channel					
DEVIATIONS FROM TEST STANDARD					
No deviations.					
Run #		1			
Configuration #		1			
Results		Pass			
Signature <i>Rod Peloquin</i>					


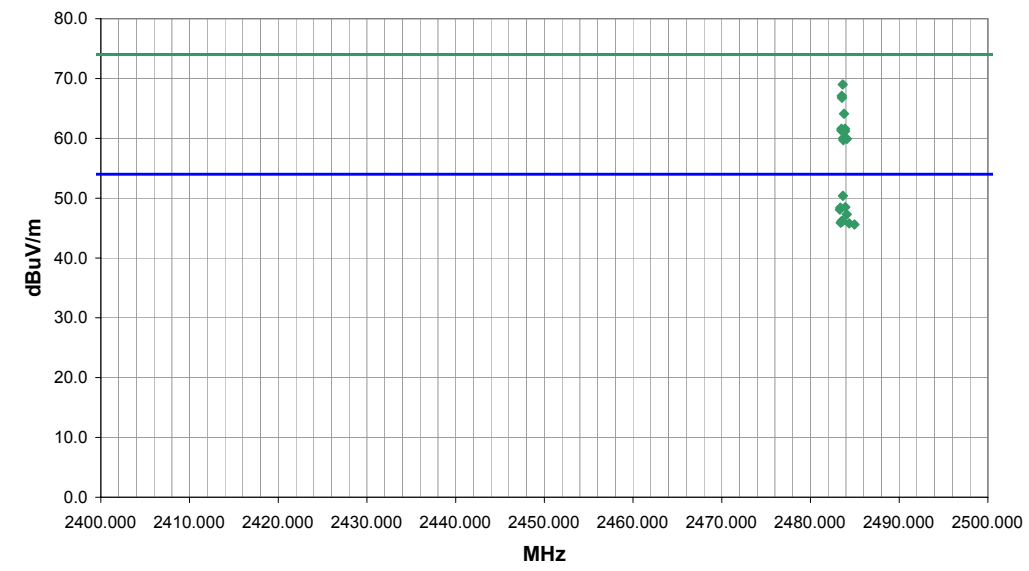



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
4824.000	41.5	7.5	103.0	1.2	3.0	0.0	V-Horn	AV	0.0	49.0	54.0	-5.0	EUT vertical, 1 Mbps
4824.010	40.0	7.5	133.0	1.2	3.0	0.0	V-Horn	AV	0.0	47.5	54.0	-6.5	EUT in cradle, 1 Mbps
4823.980	39.1	7.5	103.0	1.1	3.0	0.0	V-Horn	AV	0.0	46.6	54.0	-7.4	EUT horizontal, 1 Mbps
4823.981	39.1	7.5	109.0	1.2	3.0	0.0	H-Horn	AV	0.0	46.6	54.0	-7.4	EUT in cradle, 1 Mbps
4823.974	38.3	7.5	255.0	1.0	3.0	0.0	H-Horn	AV	0.0	45.8	54.0	-8.2	EUT on side, 1 Mbps
4823.961	37.7	7.5	217.0	1.1	3.0	0.0	H-Horn	AV	0.0	45.2	54.0	-8.8	EUT vertical, 1 Mbps
4823.994	36.3	7.5	262.0	1.3	3.0	0.0	H-Horn	AV	0.0	43.8	54.0	-10.2	EUT horizontal, 1 Mbps
4823.983	36.0	7.5	292.0	1.1	3.0	0.0	V-Horn	AV	0.0	43.5	54.0	-10.5	EUT on side, 1 Mbps
4823.476	29.2	7.5	169.0	1.1	3.0	0.0	V-Horn	AV	0.0	36.7	54.0	-17.3	EUT vertical, 11 Mbps
4824.254	29.1	7.5	216.0	1.1	3.0	0.0	H-Horn	AV	0.0	36.6	54.0	-17.4	EUT in cradle, 11 Mbps
4823.846	27.0	7.5	176.0	1.1	3.0	0.0	V-Horn	AV	0.0	34.5	54.0	-19.5	EUT vertical, 6 Mbps
4824.114	26.3	7.5	208.0	1.1	3.0	0.0	H-Horn	AV	0.0	33.8	54.0	-20.2	EUT in cradle, 6 Mbps
4823.771	46.1	7.5	216.0	1.1	3.0	0.0	H-Horn	PK	0.0	53.6	74.0	-20.4	EUT in cradle, 11 Mbps
4824.094	25.9	7.5	149.0	1.5	3.0	0.0	H-Horn	AV	0.0	33.4	54.0	-20.6	EUT in cradle, 36 Mbps
4823.976	45.5	7.5	103.0	1.2	3.0	0.0	V-Horn	PK	0.0	53.0	74.0	-21.0	EUT vertical, 1 Mbps
4824.066	25.3	7.5	205.0	1.1	3.0	0.0	V-Horn	AV	0.0	32.8	54.0	-21.2	EUT vertical, 36 Mbps
4823.691	25.2	7.5	148.0	1.5	3.0	0.0	H-Horn	AV	0.0	32.7	54.0	-21.3	EUT in cradle, 54 Mbps
4824.213	25.1	7.5	169.0	1.1	3.0	0.0	V-Horn	AV	0.0	32.6	54.0	-21.4	EUT vertical, 54 Mbps
4823.976	45.0	7.5	169.0	1.1	3.0	0.0	V-Horn	PK	0.0	52.5	74.0	-21.5	EUT vertical, 11 Mbps
4823.793	44.9	7.5	133.0	1.2	3.0	0.0	V-Horn	PK	0.0	52.4	74.0	-21.6	EUT in cradle, 1 Mbps

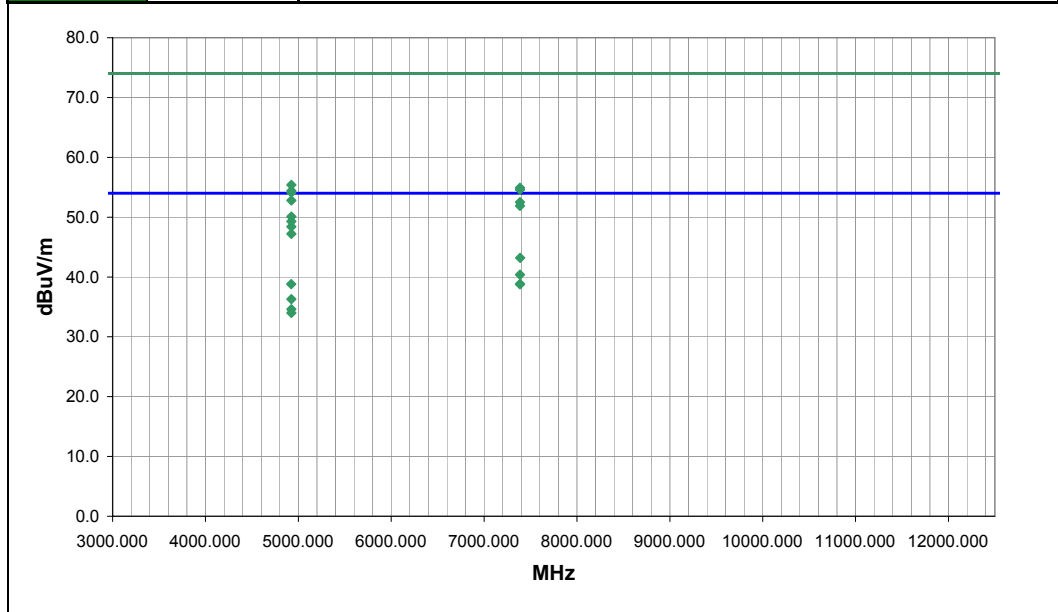
NORTHWEST EMC		SPURIOUS RADIATED EMISSIONS		PSA 2007.05.07 EMI 2006.12.20	
EUT: Falcon 44xx-177xx-xxxxx			Work Order: PSCI0245		
Serial Number: Unit 2			Date: 07/20/07		
Customer: Datalogic Scanning, Inc.			Temperature: 24		
Attendees: None			Humidity: 38%		
Project: None			Barometric Pres.: 29.95		
Tested by: Rod Peloquin		Power: 120VAC/60Hz		Job Site: EV01	
TEST SPECIFICATIONS			Test Method		
FCC 15.247 (DTS):2006			ANSI C63.4:2003 KDB No. 558074		
TEST PARAMETERS					
Antenna Height(s) (m)		1 - 4		Test Distance (m) 3	
COMMENTS					
EUT OPERATING MODES					
Transmitting 802.11, mid channel					
DEVIATIONS FROM TEST STANDARD					
No deviations.					
Run #		2		 Signature	
Configuration #		1			
Results		Pass			




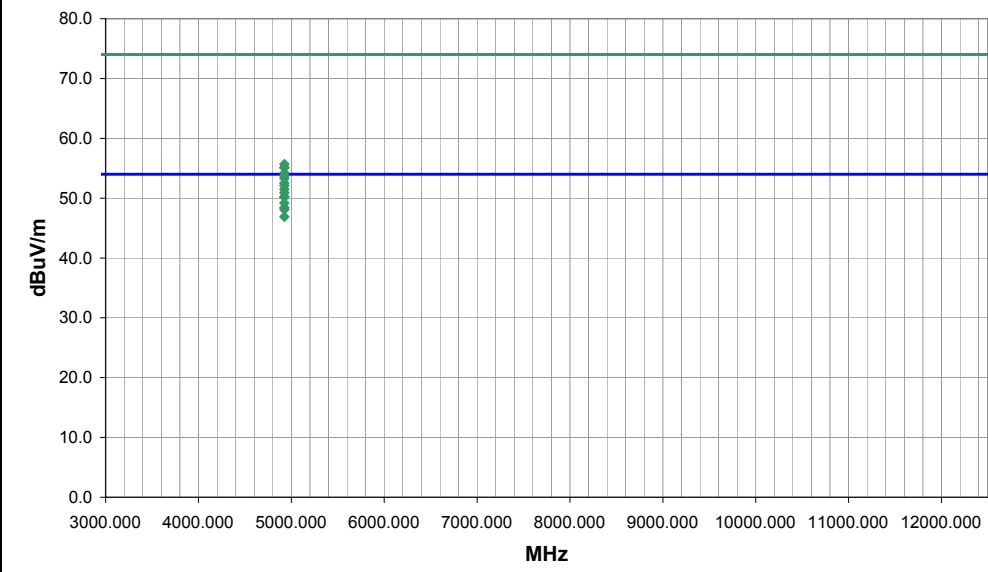
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
4873.923	44.1	7.6	116.0	1.1	3.0	0.0	V-Horn	AV	0.0	51.7	54.0	-2.3	EUT in cradle, 1 Mbps
4874.021	42.3	7.6	68.0	1.2	3.0	0.0	H-Horn	AV	0.0	49.9	54.0	-4.1	EUT in cradle, 1 Mbps
7313.940	27.2	13.8	155.0	1.0	3.0	0.0	V-Horn	AV	0.0	41.0	54.0	-13.0	EUT in cradle, 1 Mbps
7310.610	25.8	13.8	153.0	1.0	3.0	0.0	V-Horn	AV	0.0	39.6	54.0	-14.4	EUT in cradle, 1 Mbps
4873.580	31.8	7.6	116.0	1.1	3.0	0.0	V-Horn	AV	0.0	39.4	54.0	-14.6	EUT in cradle, 11 Mbps
7326.490	25.0	14.0	157.0	1.2	3.0	0.0	H-Horn	AV	0.0	39.0	54.0	-15.0	EUT in cradle, 6 Mbps
7313.821	25.1	13.8	58.0	1.2	3.0	0.0	H-Horn	AV	0.0	38.9	54.0	-15.1	EUT in cradle, 1 Mbps
7300.540	24.9	13.8	261.0	1.0	3.0	0.0	V-Horn	AV	0.0	38.7	54.0	-15.3	EUT in cradle, 54 Mbps
7311.040	24.9	13.8	124.0	1.0	3.0	0.0	V-Horn	AV	0.0	38.7	54.0	-15.3	EUT in cradle, 6 Mbps
4874.578	31.0	7.6	125.0	1.2	3.0	0.0	H-Horn	AV	0.0	38.6	54.0	-15.4	EUT in cradle, 11 Mbps
4873.960	29.0	7.7	116.0	1.1	3.0	0.0	V-Horn	AV	0.0	36.7	54.0	-17.3	EUT in cradle, 6 Mbps
4873.898	27.7	7.6	127.0	1.2	3.0	0.0	H-Horn	AV	0.0	35.3	54.0	-18.7	EUT in cradle, 6 Mbps
4873.960	47.6	7.6	116.0	1.1	3.0	0.0	V-Horn	PK	0.0	55.2	74.0	-18.8	EUT in cradle, 1 Mbps
4872.060	27.1	7.6	114.0	1.1	3.0	0.0	V-Horn	AV	0.0	34.7	54.0	-19.3	EUT in cradle, 36 Mbps
4873.993	47.0	7.6	116.0	1.1	3.0	0.0	V-Horn	PK	0.0	54.6	74.0	-19.4	EUT in cradle, 11 Mbps
4872.360	26.8	7.7	128.0	1.2	3.0	0.0	H-Horn	AV	0.0	34.5	54.0	-19.5	EUT in cradle, 36 Mbps
4872.490	26.3	7.6	112.0	1.1	3.0	0.0	V-Horn	AV	0.0	33.9	54.0	-20.1	EUT in cradle, 54 Mbps
4873.778	46.2	7.6	68.0	1.2	3.0	0.0	H-Horn	PK	0.0	53.8	74.0	-20.2	EUT in cradle, 1 Mbps
4874.048	46.0	7.6	125.0	1.2	3.0	0.0	H-Horn	PK	0.0	53.6	74.0	-20.4	EUT in cradle, 11 Mbps
4875.690	25.9	7.6	247.0	1.2	3.0	0.0	H-Horn	AV	0.0	33.5	54.0	-20.5	EUT in cradle, 54 Mbps


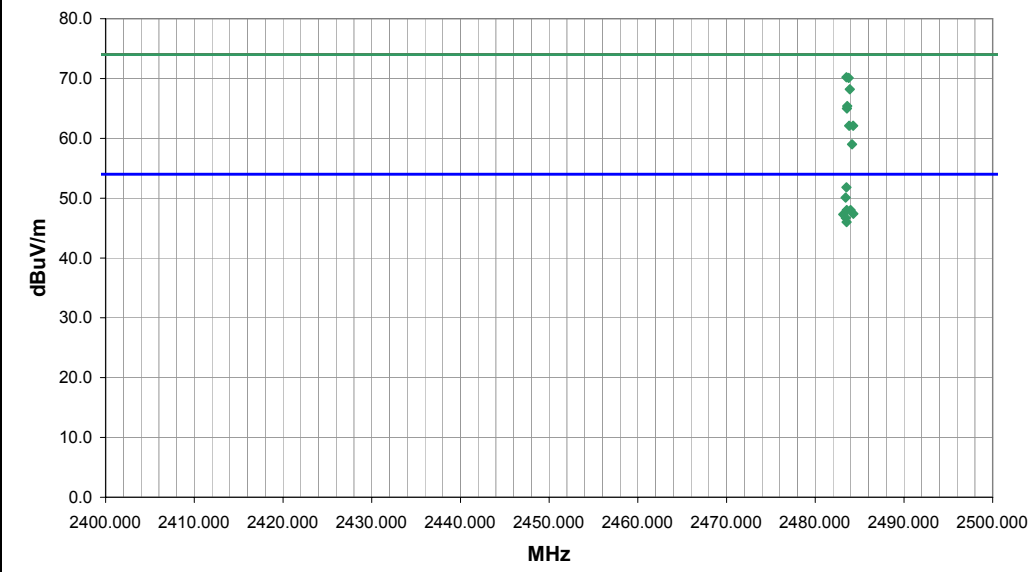
NORTHWEST EMC		SPURIOUS RADIATED EMISSIONS		PSA 2007.05.07 EMI 2006.12.20									
EUT: Falcon 44xx-177xx-xxxxx			Work Order: PSCI0245										
Serial Number: Unit 2			Date: 07/20/07										
Customer: Datalogic Scanning, Inc.			Temperature: 24										
Attendees: None			Humidity: 38%										
Project: None			Barometric Pres.: 29.95										
Tested by: Rod Peloquin		Power: 120VAC/60Hz		Job Site: EV01									
TEST SPECIFICATIONS			Test Method										
FCC 15.247 (DTS):2006			ANSI C63.4:2003 KDB No. 558074										
TEST PARAMETERS													
Antenna Height(s) (m)		1 - 4		Test Distance (m) 3									
COMMENTS													
EUT OPERATING MODES													
Transmitting 802.11, high channel													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
Run #		4											
Configuration #		1											
Results		Pass											
<div style="text-align: right;">  Signature </div>													
													
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
2483.653	30.0	0.4	331.0	1.1	3.0	20.0	V-Horn	AV	0.0	50.4	54.0	-3.6	EUT horizontal, 6 Mbps
2483.642	48.6	0.4	331.0	1.1	3.0	20.0	V-Horn	PK	0.0	69.0	74.0	-5.0	EUT horizontal, 6 Mbps
2483.935	28.1	0.4	133.0	1.3	3.0	20.0	H-Horn	AV	0.0	48.5	54.0	-5.5	EUT in cradle 6 Mbps
2483.367	28.0	0.4	148.0	1.3	3.0	20.0	H-Horn	AV	0.0	48.4	54.0	-5.6	EUT in cradle, 1 Mbps
2483.307	27.7	0.4	158.0	1.0	3.0	20.0	H-Horn	AV	0.0	48.1	54.0	-5.9	EUT in cradle 36 Mbps
2484.085	26.9	0.4	135.0	1.2	3.0	20.0	V-Horn	AV	0.0	47.3	54.0	-6.7	EUT in cradle 6 Mbps
2483.540	46.7	0.4	158.0	1.0	3.0	20.0	H-Horn	PK	0.0	67.1	74.0	-6.9	EUT in cradle 36 Mbps
2483.553	46.4	0.4	133.0	1.3	3.0	20.0	H-Horn	PK	0.0	66.8	74.0	-7.2	EUT in cradle 6 Mbps
2483.530	25.8	0.4	255.0	1.2	3.0	20.0	V-Horn	AV	0.0	46.2	54.0	-7.8	EUT in cradle 36 Mbps
2483.613	25.8	0.4	360.0	1.4	3.0	20.0	H-Horn	AV	0.0	46.2	54.0	-7.8	EUT in cradle, 54 Mbps
2483.568	25.7	0.4	164.0	1.8	3.0	20.0	V-Horn	AV	0.0	46.1	54.0	-7.9	EUT in cradle, 54 Mbps
2483.412	25.5	0.4	168.0	1.2	3.0	20.0	V-Horn	AV	0.0	45.9	54.0	-8.1	EUT horizontal, 1 Mbps
2484.363	25.4	0.4	269.0	1.2	3.0	20.0	V-Horn	AV	0.0	45.8	54.0	-8.2	EUT in cradle, 1 Mbps
2484.953	25.2	0.4	29.0	1.2	3.0	20.0	V-Horn	AV	0.0	45.6	54.0	-8.4	EUT horizontal, 11 Mbps
2483.777	43.7	0.4	135.0	1.2	3.0	20.0	V-Horn	PK	0.0	64.1	74.0	-9.9	EUT in cradle 6 Mbps
2483.503	41.2	0.4	255.0	1.2	3.0	20.0	V-Horn	PK	0.0	61.6	74.0	-12.4	EUT in cradle 36 Mbps
2483.885	41.2	0.4	148.0	1.3	3.0	20.0	H-Horn	PK	0.0	61.6	74.0	-12.4	EUT in cradle, 1 Mbps
2483.502	40.9	0.4	164.0	1.8	3.0	20.0	V-Horn	PK	0.0	61.3	74.0	-12.7	EUT in cradle, 54 Mbps
2483.897	40.8	0.4	360.0	1.4	3.0	20.0	H-Horn	PK	0.0	61.2	74.0	-12.8	EUT in cradle, 54 Mbps
2483.668	39.6	0.4	29.0	1.2	3.0	20.0	V-Horn	PK	0.0	60.0	74.0	-14.0	EUT horizontal, 11 Mbps

NORTHWEST		SPURIOUS RADIATED EMISSIONS		PSA 2007.05.07 EMI 2006.12.20	
EMC					
EUT: Falcon 44xx-177xx-xxxxx		Work Order: PSCI0245			
Serial Number: Unit 2		Date: 07/20/07			
Customer: Datalogic Scanning, Inc.		Temperature: 24			
Attendees: None		Humidity: 38%			
Project: None		Barometric Pres.: 29.95			
Tested by: Rod Peloquin		Power: 120VAC/60Hz		Job Site: EV01	
TEST SPECIFICATIONS		Test Method			
FCC 15.247 (DTS):2006		ANSI C63.4:2003 KDB No. 558074			
TEST PARAMETERS					
Antenna Height(s) (m)		1 - 4		Test Distance (m) 3	
COMMENTS					
EUT OPERATING MODES					
Transmitting 802.11, high channel					
DEVIATIONS FROM TEST STANDARD					
No deviations.					
Run #	5	 Signature			
Configuration #	1				
Results	Pass				



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
4923.986	45.0	7.8	213.0	1.1	3.0	0.0	V-Horn	AV	0.0	52.8	54.0	-1.2	EUT in cradle, 1 Mbps
4923.988	42.3	7.8	134.0	1.1	3.0	0.0	H-Horn	AV	0.0	50.1	54.0	-3.9	EUT in cradle, 1 Mbps
7388.830	28.9	14.3	162.0	1.4	3.0	0.0	H-Horn	AV	0.0	43.2	54.0	-10.8	EUT in cradle, 1 Mbps
7386.680	26.1	14.3	167.0	1.1	3.0	0.0	V-Horn	AV	0.0	40.4	54.0	-13.6	EUT in cradle, 1 Mbps
7385.666	24.5	14.3	166.0	1.3	3.0	0.0	H-Horn	AV	0.0	38.8	54.0	-15.2	EUT in cradle, 11 Mbps
7386.080	24.5	14.3	243.0	1.0	3.0	0.0	V-Horn	AV	0.0	38.8	54.0	-15.2	EUT in cradle, 11 Mbps
4923.206	31.0	7.8	203.0	1.1	3.0	0.0	V-Horn	AV	0.0	38.8	54.0	-15.2	EUT in cradle, 11 Mbps
4923.868	28.5	7.8	204.0	1.1	3.0	0.0	V-Horn	AV	0.0	36.3	54.0	-17.7	EUT in cradle, 6 Mbps
4923.930	47.6	7.8	198.0	1.1	3.0	0.0	V-Horn	PK	0.0	55.4	74.0	-18.6	EUT in cradle, 1 Mbps
7385.890	40.6	14.3	162.0	1.4	3.0	0.0	H-Horn	PK	0.0	54.9	74.0	-19.1	EUT in cradle, 1 Mbps
4923.864	26.8	7.8	91.0	1.0	3.0	0.0	H-Horn	AV	0.0	34.6	54.0	-19.4	EUT in cradle, 11 Mbps
7386.810	40.3	14.3	167.0	1.1	3.0	0.0	V-Horn	PK	0.0	54.6	74.0	-19.4	EUT in cradle, 1 Mbps
4923.978	46.6	7.8	134.0	1.1	3.0	0.0	H-Horn	PK	0.0	54.4	74.0	-19.6	EUT in cradle, 1 Mbps
4923.833	46.3	7.8	203.0	1.1	3.0	0.0	V-Horn	PK	0.0	54.1	74.0	-19.9	EUT in cradle, 11 Mbps
4923.733	26.2	7.8	116.0	1.0	3.0	0.0	H-Horn	AV	0.0	34.0	54.0	-20.0	EUT in cradle, 6 Mbps
7385.691	38.2	14.3	166.0	1.3	3.0	0.0	H-Horn	PK	0.0	52.5	74.0	-21.5	EUT in cradle, 11 Mbps
7385.618	37.6	14.3	243.0	1.0	3.0	0.0	V-Horn	PK	0.0	51.9	74.0	-22.1	EUT in cradle, 11 Mbps
4924.000	41.5	7.8	204.0	1.1	3.0	0.0	V-Horn	PK	0.0	49.3	74.0	-24.7	EUT in cradle, 6 Mbps
4924.304	40.6	7.8	91.0	1.0	3.0	0.0	H-Horn	PK	0.0	48.4	74.0	-25.6	EUT in cradle, 11 Mbps
4923.764	39.4	7.8	116.0	1.0	3.0	0.0	H-Horn	PK	0.0	47.2	74.0	-26.8	EUT in cradle, 6 Mbps

NORTHWEST		SPURIOUS RADIATED EMISSIONS		PSA 2007.05.07									
EMC				EMI 2006.12.20									
EUT: Falcon 44xx-177xx-xxxxx		Work Order: PSCI0245											
Serial Number: Unit 1		Date: 07/20/07											
Customer: Datalogic Scanning, Inc.		Temperature: 24											
Attendees: None		Humidity: 38%											
Project: None		Barometric Pres.: 29.95											
Tested by: Rod Peloquin		Power: 120VAC/60Hz		Job Site: EV01									
TEST SPECIFICATIONS		Test Method											
FCC 15.247 (DTS):2006		ANSI C63.4:2003 KDB No. 558074											
TEST PARAMETERS													
Antenna Height(s) (m)		1 - 4		Test Distance (m) 3									
COMMENTS													
EUT OPERATING MODES													
Transmitting 802.11, high channel													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
Run #		6		Signature 									
Configuration #		1											
Results		Pass											
													
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
4924.068	44.7	7.8	206.0	1.2	3.0	0.0	H-Horn	AV	0.0	52.5	54.0	-1.5	EUT in cradle, 1 Mbps
4924.053	43.7	7.8	114.0	1.9	3.0	0.0	V-Horn	AV	0.0	51.5	54.0	-2.5	EUT on side, 1 Mbps
4923.920	43.1	7.8	294.0	1.2	3.0	0.0	V-Horn	AV	0.0	50.9	54.0	-3.1	EUT horizontal, 1 Mbps
4923.981	42.4	7.8	197.0	1.2	3.0	0.0	H-Horn	AV	0.0	50.2	54.0	-3.8	EUT vertical, 1 Mbps
4924.018	41.4	7.8	52.0	1.2	3.0	0.0	H-Horn	AV	0.0	49.2	54.0	-4.8	EUT on side, 1 Mbps
4923.944	40.6	7.8	50.0	1.2	3.0	0.0	H-Horn	AV	0.0	48.4	54.0	-5.6	EUT horizontal, 1 Mbps
4924.026	40.3	7.8	117.0	1.1	3.0	0.0	V-Horn	AV	0.0	48.1	54.0	-5.9	EUT vertical, 1 Mbps
4924.036	39.1	7.8	182.0	1.2	3.0	0.0	V-Horn	AV	0.0	46.9	54.0	-7.1	EUT in cradle, 1 Mbps
4923.991	47.9	7.8	206.0	1.2	3.0	0.0	H-Horn	PK	0.0	55.7	74.0	-18.3	EUT in cradle, 1 Mbps
4923.876	47.3	7.8	114.0	1.9	3.0	0.0	V-Horn	PK	0.0	55.1	74.0	-18.9	EUT on side, 1 Mbps
4924.073	47.3	7.8	294.0	1.2	3.0	0.0	V-Horn	PK	0.0	55.1	74.0	-18.9	EUT horizontal, 1 Mbps
4923.861	46.4	7.8	197.0	1.2	3.0	0.0	H-Horn	PK	0.0	54.2	74.0	-19.8	EUT vertical, 1 Mbps
4924.068	45.9	7.8	52.0	1.2	3.0	0.0	H-Horn	PK	0.0	53.7	74.0	-20.3	EUT on side, 1 Mbps
4923.874	45.5	7.8	50.0	1.2	3.0	0.0	H-Horn	PK	0.0	53.3	74.0	-20.7	EUT horizontal, 1 Mbps
4924.093	44.3	7.8	182.0	1.2	3.0	0.0	V-Horn	PK	0.0	52.1	74.0	-21.9	EUT in cradle, 1 Mbps
4924.113	42.4	7.8	117.0	1.1	3.0	0.0	V-Horn	PK	0.0	50.2	74.0	-23.8	EUT vertical, 1 Mbps

NORTHWEST		SPURIOUS RADIATED EMISSIONS		PSA 2007.05.07									
EMC				EMI 2006.12.20									
EUT: Falcon 44xx-177xx-xxxxx		Work Order: PSCI0245											
Serial Number: Unit 1		Date: 07/20/07											
Customer: Datalogic Scanning, Inc.		Temperature: 24											
Attendees: None		Humidity: 38%											
Project: None		Barometric Pres.: 29.95											
Tested by: Rod Peloquin		Power: 120VAC/60Hz		Job Site: EV01									
TEST SPECIFICATIONS		Test Method											
FCC 15.247 (DTS):2006		ANSI C63.4:2003 KDB No. 558074											
TEST PARAMETERS													
Antenna Height(s) (m)		1 - 4		Test Distance (m) 3									
COMMENTS													
EUT OPERATING MODES													
Transmitting 802.11, high channel													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
Run #		7		 Signature									
Configuration #		1											
Results		Pass											
													
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
2483.517	31.4	0.4	132.0	1.0	3.0	20.0	H-Horn	AV	0.0	51.8	54.0	-2.2	EUT vertical, 6 Mbps
2483.520	49.8	0.4	132.0	1.0	3.0	20.0	H-Horn	PK	0.0	70.2	74.0	-3.8	EUT vertical, 6 Mbps
2483.417	29.7	0.4	216.0	1.1	3.0	20.0	V-Horn	AV	0.0	50.1	54.0	-3.9	EUT on side, 6 Mbps
2483.763	49.7	0.4	216.0	1.1	3.0	20.0	V-Horn	PK	0.0	70.1	74.0	-3.9	EUT on side, 6 Mbps
2483.890	47.8	0.4	201.0	1.0	3.0	20.0	H-Horn	PK	0.0	68.2	74.0	-5.8	EUT on side, 6 Mbps
2483.542	27.6	0.4	191.0	1.0	3.0	20.0	H-Horn	AV	0.0	48.0	54.0	-6.0	EUT horizontal, 6 Mbps
2483.983	27.6	0.4	201.0	1.0	3.0	20.0	H-Horn	AV	0.0	48.0	54.0	-6.0	EUT on side, 6 Mbps
2484.297	27.0	0.4	211.0	1.1	3.0	20.0	V-Horn	AV	0.0	47.4	54.0	-6.6	EUT vertical, 6 Mbps
2483.148	26.9	0.4	289.0	1.0	3.0	20.0	H-Horn	AV	0.0	47.3	54.0	-6.7	EUT in cradle, 6 Mbps
2483.438	26.3	0.4	154.0	1.1	3.0	20.0	V-Horn	AV	0.0	46.7	54.0	-7.3	EUT in cradle, 6 Mbps
2483.533	25.6	0.4	3.0	1.1	3.0	20.0	V-Horn	AV	0.0	46.0	54.0	-8.0	EUT horizontal, 6 Mbps
2483.598	45.0	0.4	191.0	1.0	3.0	20.0	H-Horn	PK	0.0	65.4	74.0	-8.6	EUT horizontal, 6 Mbps
2483.575	44.6	0.4	211.0	1.1	3.0	20.0	V-Horn	PK	0.0	65.0	74.0	-9.0	EUT vertical, 6 Mbps
2483.815	41.7	0.4	154.0	1.1	3.0	20.0	V-Horn	PK	0.0	62.1	74.0	-11.9	EUT in cradle, 6 Mbps
2484.273	41.7	0.4	289.0	1.0	3.0	20.0	H-Horn	PK	0.0	62.1	74.0	-11.9	EUT in cradle, 6 Mbps
2484.142	38.6	0.4	3.0	1.1	3.0	20.0	V-Horn	PK	0.0	59.0	74.0	-15.0	EUT horizontal, 6 Mbps







Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmit 802.11(b), 1 Mbps, high channel

Transmit 802.11(b), 1 Mbps, mid channel

Transmit 802.11(b), 1 Mbps, low channel

POWER SETTINGS INVESTIGATED

120VAC/60Hz

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
EV07 cable d			EVG	4/17/2007	13
LISN	Solar	9252-50-R-24-BNC	LIQ	12/20/2006	13
Attenuator	Tektronix	011-0059-02	ATC	12/27/2006	13
High Pass Filter	TTE	H97-100K-50-720B	HFX	8/22/2006	13
Receiver	Rohde & Schwartz	ESCI	ARG	12/7/2006	13

MEASUREMENT BANDWIDTHS

Frequency Range	Peak Data	Quasi-Peak Data	Average Data
(MHz)	(kHz)	(kHz)	(kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

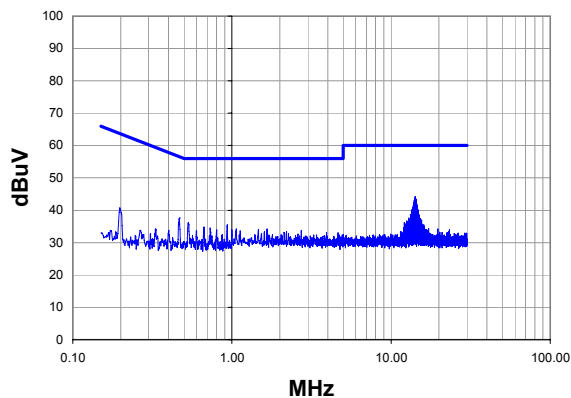
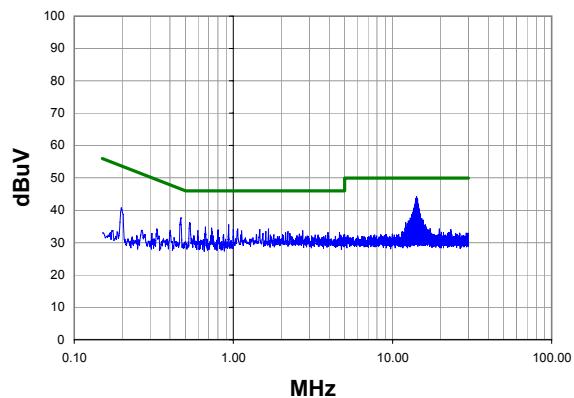
Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50 Ω .

EMC**AC Powerline Conducted Emissions**

Work Order:	PSCI0245	Date:	07/23/07	<i>Holly Ashkannejhad</i> Tested by: Holly Ashkannejhad			
Project:	None	Temperature:	24				
Job Site:	EV07	Humidity:	38				
Serial Number:	Unknown	Barometric Pres.:	29.95				
EUT:	Falcon 44xx-177xx-xxxx						
Configuration:	2						
Customer:	Datalogic Scanning, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Transmit 802.11(b), 1 Mbps, low channel						
Deviations:	No deviations.						
Comments:	Falcon (unit 2) in charging cradle. Falcon and spare battery charging.						
Test Specifications FCC 15.207:2006			Test Method ANSI C63.4:2003				
Run #	1	Line:	High Line	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

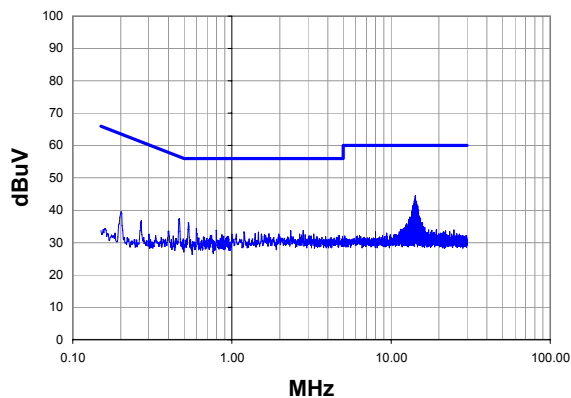
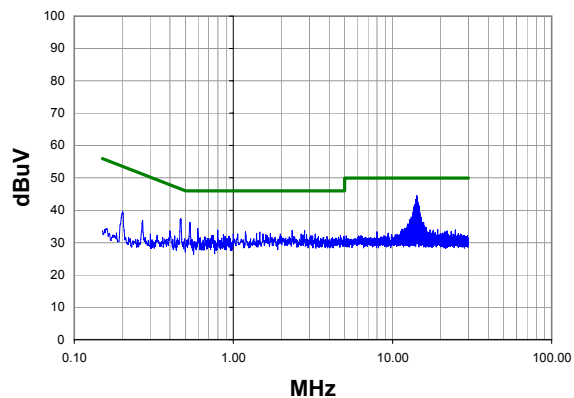
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.190	23.7	0.5	44.2	60.0	-15.8
14.060	23.2	0.5	43.7	60.0	-16.3
14.120	23.2	0.5	43.7	60.0	-16.3
14.260	23.1	0.5	43.6	60.0	-16.4
14.390	22.9	0.5	43.4	60.0	-16.6
13.990	22.6	0.5	43.1	60.0	-16.9
14.320	22.6	0.5	43.1	60.0	-16.9
13.920	22.0	0.5	42.5	60.0	-17.5
14.520	21.5	0.5	42.0	60.0	-18.0
14.450	21.4	0.5	41.9	60.0	-18.1
13.860	21.3	0.5	41.8	60.0	-18.2
13.790	21.0	0.5	41.5	60.0	-18.5
14.590	21.0	0.5	41.5	60.0	-18.5
0.466	16.8	0.8	37.6	56.6	-18.9
13.650	20.3	0.5	40.8	60.0	-19.2
13.720	20.1	0.5	40.6	60.0	-19.4
14.650	20.1	0.5	40.6	60.0	-19.4
0.533	15.4	0.8	36.2	56.0	-19.8
13.520	19.7	0.5	40.2	60.0	-19.8
13.590	19.7	0.5	40.2	60.0	-19.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.190	23.7	0.5	44.2	50.0	-5.8
14.060	23.2	0.5	43.7	50.0	-6.3
14.120	23.2	0.5	43.7	50.0	-6.3
14.260	23.1	0.5	43.6	50.0	-6.4
14.390	22.9	0.5	43.4	50.0	-6.6
13.990	22.6	0.5	43.1	50.0	-6.9
14.320	22.6	0.5	43.1	50.0	-6.9
13.920	22.0	0.5	42.5	50.0	-7.5
14.520	21.5	0.5	42.0	50.0	-8.0
14.450	21.4	0.5	41.9	50.0	-8.1
13.860	21.3	0.5	41.8	50.0	-8.2
13.790	21.0	0.5	41.5	50.0	-8.5
14.590	21.0	0.5	41.5	50.0	-8.5
0.466	16.8	0.8	37.6	46.6	-8.9
13.650	20.3	0.5	40.8	50.0	-9.2
13.720	20.1	0.5	40.6	50.0	-9.4
14.650	20.1	0.5	40.6	50.0	-9.4
0.533	15.4	0.8	36.2	46.0	-9.8
13.520	19.7	0.5	40.2	50.0	-9.8
13.590	19.7	0.5	40.2	50.0	-9.8

EMC**AC Powerline Conducted Emissions**

Work Order:	PSCI0245	Date:	07/23/07	<i>Holly Ashkannejhad</i> Tested by: Holly Ashkannejhad			
Project:	None	Temperature:	24				
Job Site:	EV07	Humidity:	38				
Serial Number:	Unknown	Barometric Pres.:	29.95				
EUT:	Falcon 44xx-177xx-xxxx						
Configuration:	2						
Customer:	Datalogic Scanning, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Transmit 802.11(b), 1 Mbps, low channel						
Deviations:	No deviations.						
Comments:	Falcon (unit 2) in charging cradle. Falcon and spare battery charging.						
Test Specifications FCC 15.207:2006			Test Method ANSI C63.4:2003				
Run #	2	Line:	Neutral	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

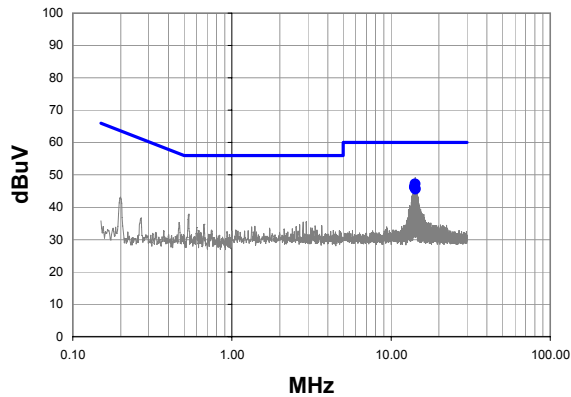
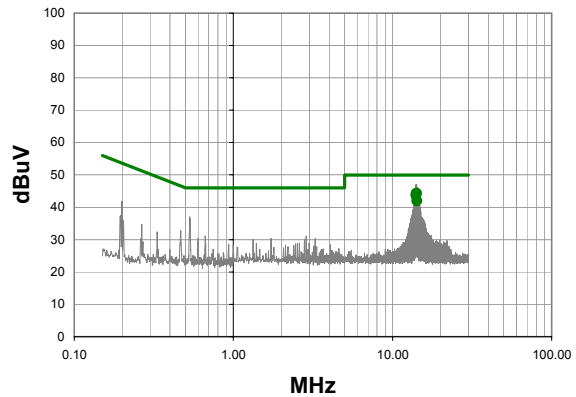
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.200	23.9	0.5	44.4	60.0	-15.6
14.270	23.9	0.5	44.4	60.0	-15.6
14.130	22.9	0.5	43.4	60.0	-16.6
14.070	22.8	0.5	43.3	60.0	-16.7
14.000	22.5	0.5	43.0	60.0	-17.0
14.400	22.4	0.5	42.9	60.0	-17.1
14.330	22.3	0.5	42.8	60.0	-17.2
14.470	21.9	0.5	42.4	60.0	-17.6
13.930	21.5	0.5	42.0	60.0	-18.0
14.530	21.5	0.5	42.0	60.0	-18.0
13.860	21.2	0.5	41.7	60.0	-18.3
13.730	21.0	0.5	41.5	60.0	-18.5
14.730	20.9	0.5	41.4	60.0	-18.6
13.800	20.8	0.5	41.3	60.0	-18.7
14.600	20.6	0.5	41.1	60.0	-18.9
13.660	20.5	0.5	41.0	60.0	-19.0
0.468	16.6	0.8	37.4	56.6	-19.1
14.670	20.1	0.5	40.6	60.0	-19.4
0.533	15.4	0.8	36.2	56.0	-19.8
13.600	19.7	0.5	40.2	60.0	-19.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.200	23.9	0.5	44.4	50.0	-5.6
14.270	23.9	0.5	44.4	50.0	-5.6
14.130	22.9	0.5	43.4	50.0	-6.6
14.070	22.8	0.5	43.3	50.0	-6.7
14.000	22.5	0.5	43.0	50.0	-7.0
14.400	22.4	0.5	42.9	50.0	-7.1
14.330	22.3	0.5	42.8	50.0	-7.2
14.470	21.9	0.5	42.4	50.0	-7.6
13.930	21.5	0.5	42.0	50.0	-8.0
14.530	21.5	0.5	42.0	50.0	-8.0
13.860	21.2	0.5	41.7	50.0	-8.3
13.730	21.0	0.5	41.5	50.0	-8.5
14.730	20.9	0.5	41.4	50.0	-8.6
13.800	20.8	0.5	41.3	50.0	-8.7
14.600	20.6	0.5	41.1	50.0	-8.9
13.660	20.5	0.5	41.0	50.0	-9.0
0.468	16.6	0.8	37.4	46.6	-9.1
14.670	20.1	0.5	40.6	50.0	-9.4
0.533	15.4	0.8	36.2	46.0	-9.8
13.600	19.7	0.5	40.2	50.0	-9.8

EMC**AC Powerline Conducted Emissions**

Work Order:	PSCI0245	Date:	07/23/07	<i>Holly Ashkannejhad</i>	
Project:	None	Temperature:	24		
Job Site:	EV07	Humidity:	38		
Serial Number:	Unknown	Barometric Pres.:	29.95	Tested by: Holly Ashkannejhad	
EUT:	Falcon 44xx-177xx-xxxxx				
Configuration:	2				
Customer:	Datalogic Scanning, Inc.				
Attendees:	None				
EUT Power:	120VAC/60Hz				
Operating Mode:	Transmit 802.11(b), 1 Mbps, mid channel				
Deviations:	No deviations.				
Comments:	Falcon (unit 2) in charging cradle. Falcon and spare battery charging.				
Test Specifications FCC 15.207:2006			Test Method ANSI C63.4:2003		
Run #	3	Line:	Neutral	Ext. Attenuation: 20	Results Pass

Quasi Peak Data - vs - Quasi Peak Limit**Average Data - vs - Average Limit****Quasi Peak Data - vs - Quasi Peak Limit**

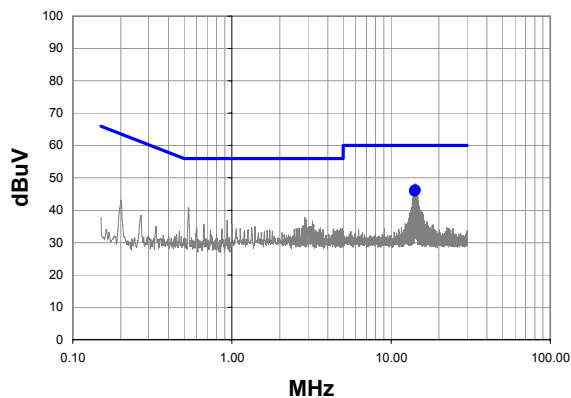
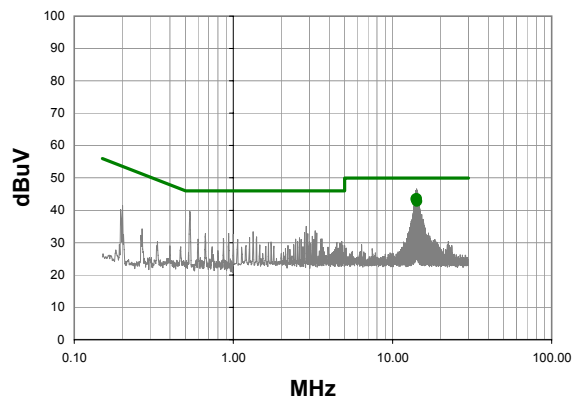
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.190	26.7	0.5	47.2	60.0	-12.8
14.056	25.7	0.5	46.2	60.0	-13.8
14.124	25.7	0.5	46.2	60.0	-13.8
14.256	25.1	0.5	45.6	60.0	-14.4

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.190	23.8	0.5	44.3	50.0	-5.7
14.124	23.7	0.5	44.2	50.0	-5.8
14.056	23.1	0.5	43.6	50.0	-6.4
14.256	21.5	0.5	42.0	50.0	-8.0

EMC**AC Powerline Conducted Emissions**

Work Order:	PSCI0245	Date:	07/23/07	<i>Holly Ashkannejhad</i>	
Project:	None	Temperature:	24		
Job Site:	EV07	Humidity:	38		
Serial Number:	Unknown	Barometric Pres.:	29.95	Tested by: Holly Ashkannejhad	
EUT:	Falcon 44xx-177xx-xxxx				
Configuration:	2				
Customer:	Datalogic Scanning, Inc.				
Attendees:	None				
EUT Power:	120VAC/60Hz				
Operating Mode:	Transmit 802.11(b), 1 Mbps, mid channel				
Deviations:	No deviations.				
Comments:	Falcon (unit 2) in charging cradle. Falcon and spare battery charging.				
Test Specifications FCC 15.207:2006			Test Method ANSI C63.4:2003		
Run #	4	Line:	High Line	Ext. Attenuation: 20	Results Pass

Quasi Peak Data - vs - Quasi Peak Limit**Average Data - vs - Average Limit****Quasi Peak Data - vs - Quasi Peak Limit**

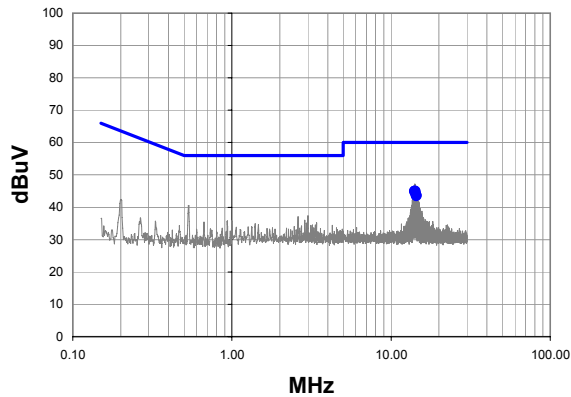
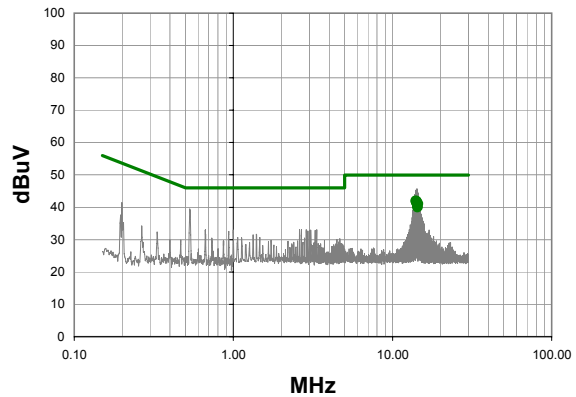
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.196	25.8	0.5	46.3	60.0	-13.7
14.264	25.6	0.5	46.1	60.0	-13.9
14.064	25.4	0.5	45.9	60.0	-14.1

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.196	23.1	0.5	43.6	50.0	-6.4
14.064	22.9	0.5	43.4	50.0	-6.6
14.264	22.3	0.5	42.8	50.0	-7.2

EMC**AC Powerline Conducted Emissions**

Work Order:	PSCI0245	Date:	07/23/07	<i>Holly Ashkannejhad</i> Tested by: Holly Ashkannejhad			
Project:	None	Temperature:	24				
Job Site:	EV07	Humidity:	38				
Serial Number:	Unknown	Barometric Pres.:	29.95				
EUT:	Falcon 44xx-177xx-xxxx						
Configuration:	2						
Customer:	Datalogic Scanning, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Transmit 802.11(b), 1 Mbps, high channel						
Deviations:	No deviations.						
Comments:	Falcon (unit 2) in charging cradle. Falcon and spare battery charging.						
Test Specifications FCC 15.207:2006			Test Method ANSI C63.4:2003				
Run #	5	Line:	High Line	Ext. Attenuation:	20	Results	Pass

Quasi Peak Data - vs - Quasi Peak Limit**Average Data - vs - Average Limit****Quasi Peak Data - vs - Quasi Peak Limit**

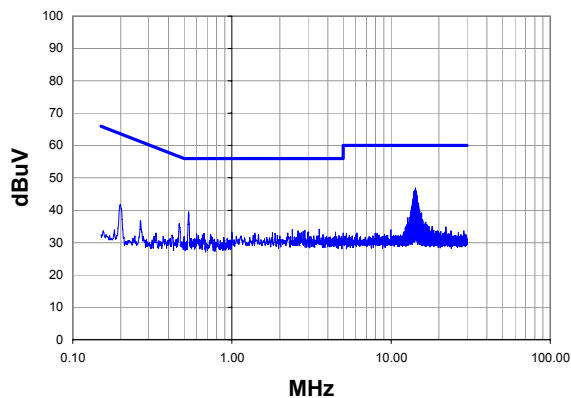
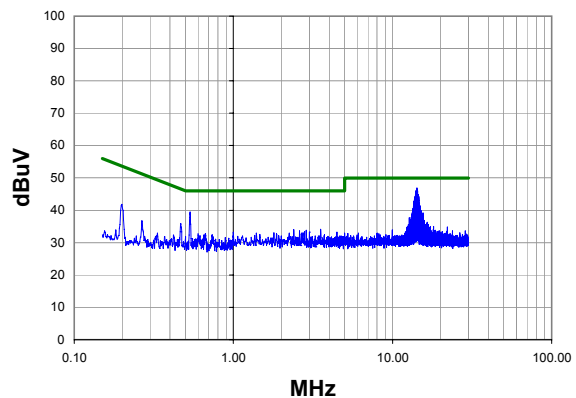
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.206	24.5	0.5	45.0	60.0	-15.0
14.074	24.4	0.5	44.9	60.0	-15.1
14.140	24.4	0.5	44.9	60.0	-15.1
14.270	23.9	0.5	44.4	60.0	-15.6
14.344	23.2	0.5	43.7	60.0	-16.3
14.410	23.0	0.5	43.5	60.0	-16.5

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.074	21.5	0.5	42.0	50.0	-8.0
14.140	21.3	0.5	41.8	50.0	-8.2
14.206	21.3	0.5	41.8	50.0	-8.2
14.270	20.8	0.5	41.3	50.0	-8.7
14.410	20.6	0.5	41.1	50.0	-8.9
14.344	19.6	0.5	40.1	50.0	-9.9

EMC**AC Powerline Conducted Emissions**

Work Order:	PSCI0245	Date:	07/23/07	<i>Holly Ashkannejhad</i> Tested by: Holly Ashkannejhad			
Project:	None	Temperature:	24				
Job Site:	EV07	Humidity:	38				
Serial Number:	Unknown	Barometric Pres.:	29.95				
EUT:	Falcon 44xx-177xx-xxxx						
Configuration:	2						
Customer:	Datalogic Scanning, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Transmit 802.11(b), 1 Mbps, high channel						
Deviations:	No deviations.						
Comments:	Falcon (unit 2) in charging cradle. Falcon and spare battery charging.						
Test Specifications FCC 15.207:2006			Test Method ANSI C63.4:2003				
Run #	6	Line:	Neutral	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.220	26.4	0.5	46.9	60.0	-13.1
14.150	25.8	0.5	46.3	60.0	-13.7
14.080	25.7	0.5	46.2	60.0	-13.8
14.350	25.5	0.5	46.0	60.0	-14.0
13.950	25.4	0.5	45.9	60.0	-14.1
14.010	25.3	0.5	45.8	60.0	-14.2
14.280	25.3	0.5	45.8	60.0	-14.2
14.410	24.3	0.5	44.8	60.0	-15.2
14.480	24.3	0.5	44.8	60.0	-15.2
13.880	23.7	0.5	44.2	60.0	-15.8
14.620	23.7	0.5	44.2	60.0	-15.8
13.810	23.2	0.5	43.7	60.0	-16.3
14.550	23.1	0.5	43.6	60.0	-16.4
0.534	18.7	0.8	39.5	56.0	-16.5
13.750	22.7	0.5	43.2	60.0	-16.8
13.680	22.4	0.5	42.9	60.0	-17.1
14.680	21.8	0.5	42.3	60.0	-17.7
14.750	21.8	0.5	42.3	60.0	-17.7
13.610	21.5	0.5	42.0	60.0	-18.0
14.880	20.9	0.5	41.4	60.0	-18.6

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.220	26.4	0.5	46.9	50.0	-3.1
14.150	25.8	0.5	46.3	50.0	-3.7
14.080	25.7	0.5	46.2	50.0	-3.8
14.350	25.5	0.5	46.0	50.0	-4.0
13.950	25.4	0.5	45.9	50.0	-4.1
14.010	25.3	0.5	45.8	50.0	-4.2
14.280	25.3	0.5	45.8	50.0	-4.2
14.410	24.3	0.5	44.8	50.0	-5.2
14.480	24.3	0.5	44.8	50.0	-5.2
13.880	23.7	0.5	44.2	50.0	-5.8
14.620	23.7	0.5	44.2	50.0	-5.8
13.810	23.2	0.5	43.7	50.0	-6.3
14.550	23.1	0.5	43.6	50.0	-6.4
0.534	18.7	0.8	39.5	46.0	-6.5
13.750	22.7	0.5	43.2	50.0	-6.8
13.680	22.4	0.5	42.9	50.0	-7.1
14.680	21.8	0.5	42.3	50.0	-7.7
14.750	21.8	0.5	42.3	50.0	-7.7
13.610	21.5	0.5	42.0	50.0	-8.0
14.880	20.9	0.5	41.4	50.0	-8.6

