

# Intermec Technologies Corporation

## CN3 Long Keyboard

August 21, 2007

Report No. ITRM0163

Report Prepared By



[www.nwemc.com](http://www.nwemc.com)  
1-888-EMI-CERT

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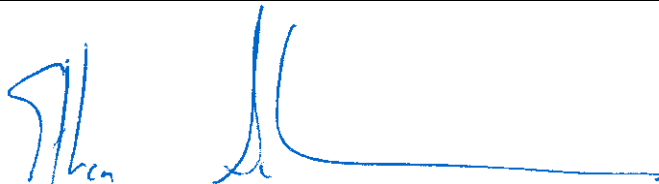
**EMC Test Report**

**Certificate of Test**  
**Issue Date: August 21, 2007**  
**Intermec Technologies Corporation**  
**Model: CN3 Long Keyboard**

Emissions			
Test Description	Specification	Test Method	Pass/Fail
Radiated Emissions	FCC 15.109:2006 Class B	ANSI C63.4:2003	<b>Pass</b>
AC Powerline Conducted Emissions	FCC 15.107:2006 Class B	ANSI C63.4:2003	<b>Pass</b>

**Modifications made to the product**  
**See the Modifications section of this report**

**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.



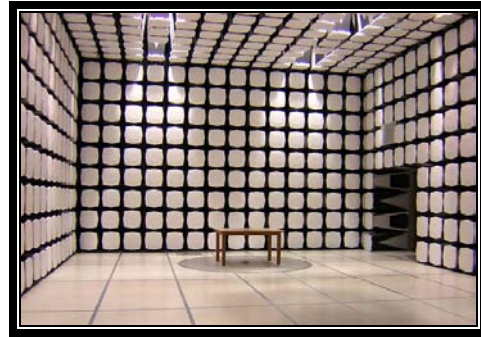
**GOST:** Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results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



## SCOPE

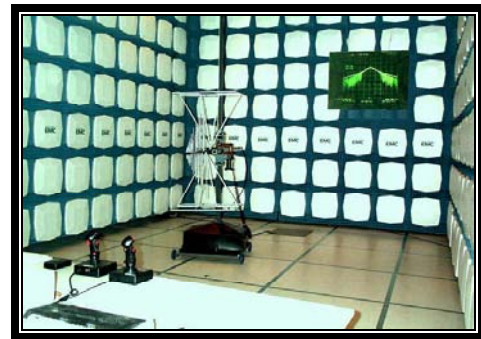
For details on the Scopes of our Accreditations, please visit:

<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 339<sup>th</sup> Ave. SE Sultan, WA 98294  
(888) 364-2378

**Party Requesting the Test**

<b>Company Name:</b>	Intermec Technologies Corporation
<b>Address:</b>	550 Second St. SE
<b>City, State, Zip:</b>	Cedar Rapids, IA 52401-2023
<b>Test Requested By:</b>	Scott Holub
<b>Model:</b>	CN3 Long Keyboard
<b>First Date of Test:</b>	July 19, 2007
<b>Last Date of Test:</b>	August 3, 2007
<b>Receipt Date of Samples:</b>	July 16, 2007
<b>Equipment Design Stage:</b>	Production
<b>Equipment Condition:</b>	No Damage

**Information Provided by the Party Requesting the Test****Functional Description of the EUT (Equipment Under Test):**

EM5625 CDMA radio in the CN3.

**Testing Objective:**

To demonstrate compliance with FCC 15B requirements for the digital portion and cellular receiver portion of the CN3.

**CONFIGURATION 1 ITRM0163**

<b>EUT</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
CDMA / EVDO Radio Module	Sierra Wireless	EM5625	Unknown

<b>Peripherals in test setup boundary</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Handheld Computer (EVDO enabled)	Intermec Technologies Corporation	CN3E	17890701002
Charging Cradle	Intermec Technologies Corporation	AD10	Unknown
AC Adapter	Intermec Technologies Corporation	073573	515299

<b>Cables</b>					
<b>Cable Type</b>	<b>Shield</b>	<b>Length (m)</b>	<b>Ferrite</b>	<b>Connection 1</b>	<b>Connection 2</b>
DC	No	1.3m	Yes	AC Adapter	Charging Cradle
AC	No	1.8m	No	AC Adapter	AC Mains
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

**CONFIGURATION 2 ITRM0163**

<b>EUT</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
CDMA / EVDO Radio Module	Sierra Wireless	EM5625	Unknown

<b>Peripherals in test setup boundary</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Handheld Computer (CDMA enabled)	Intermec Technologies Corporation	CN3E	17890701001
Charging Cradle	Intermec Technologies Corporation	AD10	Unknown
AC Adapter	Intermec Technologies Corporation	073573	515299

<b>Cables</b>					
<b>Cable Type</b>	<b>Shield</b>	<b>Length (m)</b>	<b>Ferrite</b>	<b>Connection 1</b>	<b>Connection 2</b>
DC	No	1.3m	Yes	AC Adapter	Charging Cradle
AC	No	1.8m	No	AC Adapter	AC Mains
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					



<b>Equipment modifications</b>					
<b>Item</b>	<b>Date</b>	<b>Test</b>	<b>Modification</b>	<b>Note</b>	<b>Disposition of EUT</b>
1	7/19/2007	AC Powerline Conducted Emissions	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	8/2/2007	Field Strength of Spurious Emissions from Unintentional Radiator	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.
3	8/3/2007	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

CDMA Receive mode, Cellular band, high channel

CDMA Receive mode, Cellular band, mid channel

CDMA Receive mode, Cellular band, low channel

#### POWER SETTINGS INVESTIGATED

120VAC/60Hz

#### FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	10 GHz
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#### 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
Pre-Amplifier	Miteq	AMF-4D-010100-24-10P	APW	5/10/2007	13
Antenna, Horn	EMCO	3115	AHC	8/24/2006	12
Pre-Amplifier	Miteq	AM-1616-1000	AOL	12/29/2006	13
Antenna, Biconilog	EMCO	3141	AXE	12/28/2005	24
EV01 cables g,h,j			EVB	5/10/2007	13
EV01 cables c,g, h			EVA	12/29/2006	13
Spectrum Analyzer	Agilent	E4446A	AAT	12/7/2006	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 channels receive mode. For this configuration, the spectrum was scanned throughout the specified range. 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. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

# Radiated Emissions

## EMC

EUT: <b>CN3 Long Keyboard</b>		Work Order: <b>ITRM0163</b>
Serial Number: <b>None</b>		Date: <b>08/02/07</b>
Customer: <b>Intermec Technologies Corporation</b>		Temperature: <b>23</b>
Attendees: <b>None</b>		Humidity: <b>35%</b>
Project: <b>None</b>		Barometric Pres.: <b>29.98</b>
Tested by: <b>Holly Ashkannejhad</b>	Power: <b>120VAC/60Hz</b>	Job Site: <b>EV01</b>

### TEST SPECIFICATIONS

FCC 15.109:2006	Test Method
	ANSI C63.4:2003

### TEST PARAMETERS

Antenna Height(s) (m)	1 - 4	Test Distance (m)	3
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### COMMENTS

EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3E

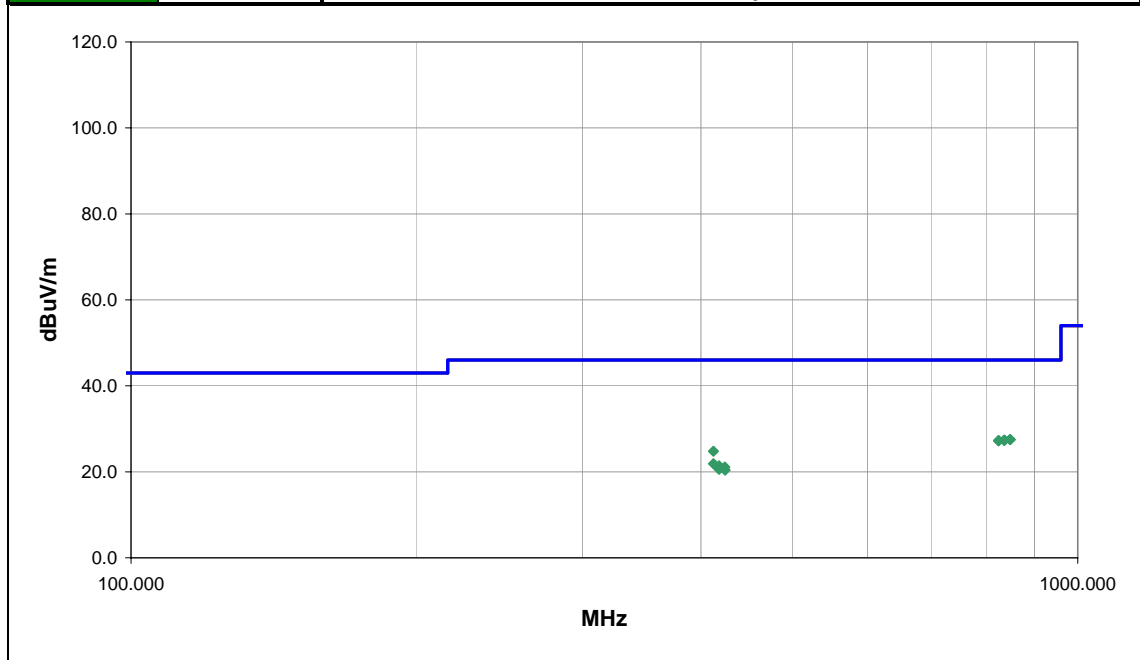
### EUT OPERATING MODES

CDMA Receive mode, Cellular band, high channel

### DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	12	Signature <i>Holly Ashkannejhad</i>
Configuration #	2	
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
848.117	17.0	10.5	144.0	2.6	3.0	0.0	H-Bilog	QP	0.0	27.5	46.0	-18.5	High channel
848.679	17.0	10.5	359.0	2.2	3.0	0.0	V-Bilog	QP	0.0	27.5	46.0	-18.5	High channel
836.310	17.0	10.4	243.0	1.0	3.0	0.0	V-Bilog	QP	0.0	27.4	46.0	-18.6	Mid channel
824.910	17.0	10.3	156.0	1.0	3.0	0.0	V-Bilog	QP	0.0	27.3	46.0	-18.7	Low channel
836.347	16.9	10.4	216.0	1.0	3.0	0.0	H-Bilog	QP	0.0	27.3	46.0	-18.7	Mid channel
824.898	16.9	10.3	220.0	1.0	3.0	0.0	H-Bilog	QP	0.0	27.2	46.0	-18.8	Low channel
412.228	21.5	3.3	158.0	1.0	3.0	0.0	H-Bilog	QP	0.0	24.8	46.0	-21.2	Low channel
412.271	18.6	3.3	142.0	1.3	3.0	0.0	V-Bilog	QP	0.0	21.9	46.0	-24.1	Low channel







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

Receiving EVDO Rev. 0, PCS band, mid channel
Receiving EVDO Rev. 0, cellular band, high channel
Receiving EVDO Rev. 0, cellular band, low channel
Receiving EVDO Rev. 0, cellular band, mid channel
Receiving CDMA 1xRTT, PCS band, mid channel
Receiving CDMA 1xRTT, cellular band, low channel
Receiving CDMA 1xRTT, cellular band, mid channel
Receiving CDMA 1xRTT, cellular band, high 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
Universal Radio Communication Tester	Rhode & Schwartz	CMU200	BSU	12/21/2006	24
Receiver	Rohde & Schwartz	ESCI	ARG	12/7/2006	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

#### 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  $\Omega$  measuring port is terminated by a 50  $\Omega$  EMI meter or a 50  $\Omega$  resistive load. All 50  $\Omega$  measuring ports of the LISN are terminated by 50 $\Omega$ .

# EMC

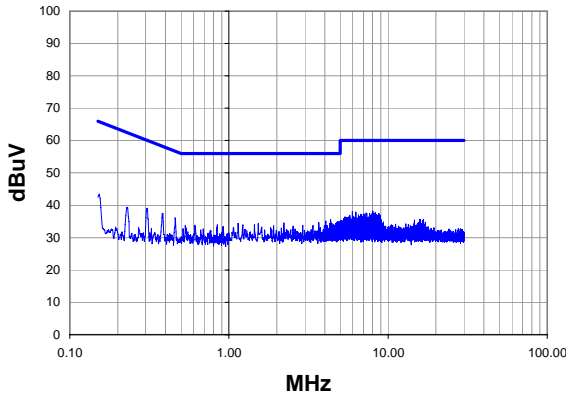
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, cellular band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

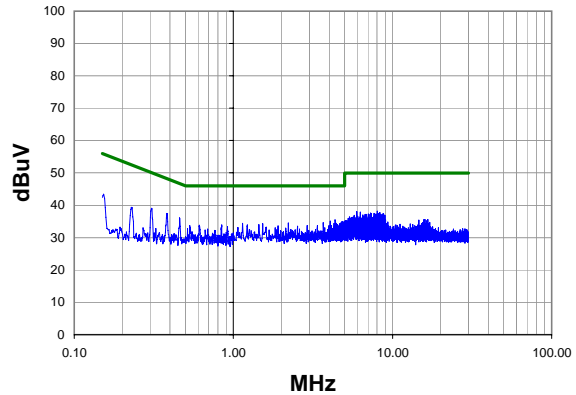
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	1	<b>Line:</b> High Line	<b>Ext. Attenuation:</b> 20	<b>Results</b>	Pass
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Peak Data - vs - 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)
4.360	15.0	0.5	35.5	56.0	-20.5
0.459	15.3	0.8	36.1	56.7	-20.6
0.381	16.6	0.9	37.5	58.3	-20.8
4.056	14.6	0.5	35.1	56.0	-20.9
4.824	14.5	0.5	35.0	56.0	-21.0
4.976	14.5	0.5	35.0	56.0	-21.0
0.306	18.1	0.9	39.0	60.1	-21.0
4.896	14.3	0.5	34.8	56.0	-21.2
3.672	14.1	0.5	34.6	56.0	-21.4
4.744	14.1	0.5	34.6	56.0	-21.4
2.216	14.0	0.5	34.5	56.0	-21.5
1.144	13.9	0.5	34.4	56.0	-21.6
4.288	13.9	0.5	34.4	56.0	-21.6
4.440	13.9	0.5	34.4	56.0	-21.6
1.528	13.8	0.5	34.3	56.0	-21.7
4.672	13.8	0.5	34.3	56.0	-21.7
8.030	17.7	0.5	38.2	60.0	-21.8
5.970	17.6	0.5	38.1	60.0	-21.9
1.448	13.5	0.5	34.0	56.0	-22.0
4.520	13.5	0.5	34.0	56.0	-22.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
4.360	15.0	0.5	35.5	46.0	-10.5
0.459	15.3	0.8	36.1	46.7	-10.6
0.381	16.6	0.9	37.5	48.3	-10.8
4.056	14.6	0.5	35.1	46.0	-10.9
4.824	14.5	0.5	35.0	46.0	-11.0
4.976	14.5	0.5	35.0	46.0	-11.0
0.306	18.1	0.9	39.0	50.1	-11.0
4.896	14.3	0.5	34.8	46.0	-11.2
3.672	14.1	0.5	34.6	46.0	-11.4
4.744	14.1	0.5	34.6	46.0	-11.4
2.216	14.0	0.5	34.5	46.0	-11.5
1.144	13.9	0.5	34.4	46.0	-11.6
4.288	13.9	0.5	34.4	46.0	-11.6
4.440	13.9	0.5	34.4	46.0	-11.6
1.528	13.8	0.5	34.3	46.0	-11.7
4.672	13.8	0.5	34.3	46.0	-11.7
8.030	17.7	0.5	38.2	50.0	-11.8
5.970	17.6	0.5	38.1	50.0	-11.9
1.448	13.5	0.5	34.0	46.0	-12.0
4.520	13.5	0.5	34.0	46.0	-12.0



# EMC

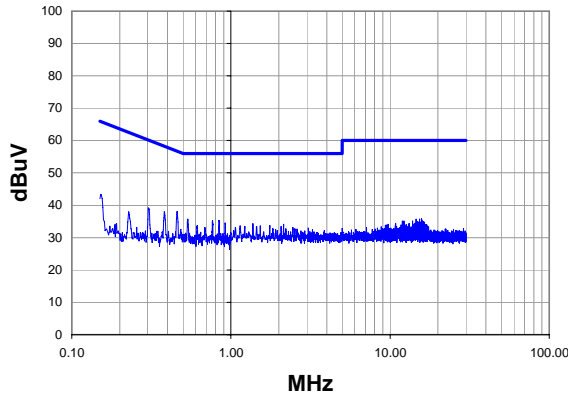
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, cellular band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

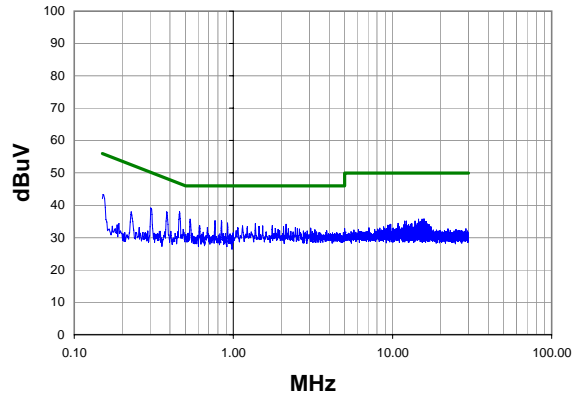
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	2	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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Peak Data - vs - Quasi 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)
0.459	17.2	0.8	38.0	56.7	-18.7
0.381	17.1	0.9	38.0	58.3	-20.3
0.534	14.9	0.8	35.7	56.0	-20.3
0.842	14.7	0.6	35.3	56.0	-20.7
0.765	14.6	0.6	35.2	56.0	-20.8
0.303	18.2	0.9	39.1	60.2	-21.0
0.918	14.0	0.6	34.6	56.0	-21.4
1.376	13.8	0.5	34.3	56.0	-21.7
2.144	13.6	0.5	34.1	56.0	-21.9
0.614	13.0	0.7	33.7	56.0	-22.3
1.760	13.2	0.5	33.7	56.0	-22.3
1.144	13.1	0.5	33.6	56.0	-22.4
1.528	13.1	0.5	33.6	56.0	-22.4
0.152	21.4	2.0	43.4	65.9	-22.5
1.224	12.9	0.5	33.4	56.0	-22.6
1.448	12.9	0.5	33.4	56.0	-22.6
2.064	12.9	0.5	33.4	56.0	-22.6
1.064	12.6	0.5	33.1	56.0	-22.9
2.456	12.6	0.5	33.1	56.0	-22.9
0.687	12.4	0.7	33.1	56.0	-22.9

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.459	17.2	0.8	38.0	46.7	-8.7
0.381	17.1	0.9	38.0	48.3	-10.3
0.534	14.9	0.8	35.7	46.0	-10.3
0.842	14.7	0.6	35.3	46.0	-10.7
0.765	14.6	0.6	35.2	46.0	-10.8
0.303	18.2	0.9	39.1	50.2	-11.0
0.918	14.0	0.6	34.6	46.0	-11.4
1.376	13.8	0.5	34.3	46.0	-11.7
2.144	13.6	0.5	34.1	46.0	-11.9
0.614	13.0	0.7	33.7	46.0	-12.3
1.760	13.2	0.5	33.7	46.0	-12.3
1.144	13.1	0.5	33.6	46.0	-12.4
1.528	13.1	0.5	33.6	46.0	-12.4
0.152	21.4	2.0	43.4	55.9	-12.5
1.224	12.9	0.5	33.4	46.0	-12.6
1.448	12.9	0.5	33.4	46.0	-12.6
2.064	12.9	0.5	33.4	46.0	-12.6
1.064	12.6	0.5	33.1	46.0	-12.9
2.456	12.6	0.5	33.1	46.0	-12.9
0.687	12.4	0.7	33.1	46.0	-12.9

# EMC

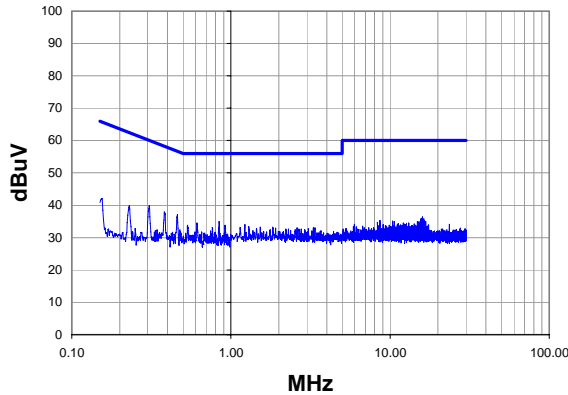
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, cellular band, low channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

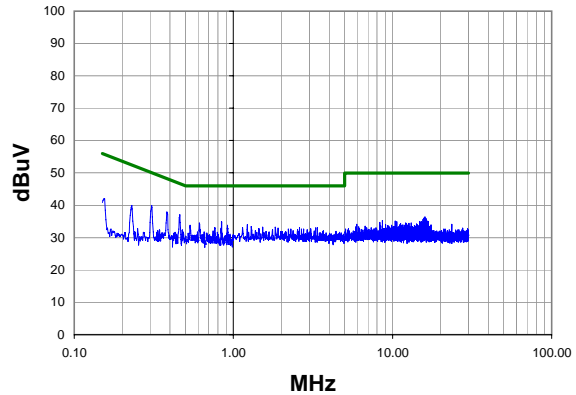
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	3	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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Peak Data - vs - Quasi 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)
0.461	16.3	0.8	37.1	56.7	-19.5
0.306	19.0	0.9	39.9	60.1	-20.1
0.381	17.0	0.9	37.9	58.3	-20.4
0.842	14.3	0.6	34.9	56.0	-21.1
0.612	13.8	0.7	34.5	56.0	-21.5
1.224	13.5	0.5	34.0	56.0	-22.0
0.918	13.3	0.6	33.9	56.0	-22.1
0.534	13.0	0.8	33.8	56.0	-22.2
0.230	19.0	1.0	40.0	62.5	-22.5
1.296	12.9	0.5	33.4	56.0	-22.6
1.528	12.7	0.5	33.2	56.0	-22.8
1.832	12.7	0.5	33.2	56.0	-22.8
0.764	12.5	0.6	33.1	56.0	-22.9
1.144	12.6	0.5	33.1	56.0	-22.9
2.600	12.5	0.5	33.0	56.0	-23.0
3.296	12.5	0.5	33.0	56.0	-23.0
3.368	12.5	0.5	33.0	56.0	-23.0
1.912	12.4	0.5	32.9	56.0	-23.1
1.448	12.3	0.5	32.8	56.0	-23.2
3.064	12.2	0.5	32.7	56.0	-23.3

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.461	16.3	0.8	37.1	46.7	-9.5
0.306	19.0	0.9	39.9	50.1	-10.1
0.381	17.0	0.9	37.9	48.3	-10.4
0.842	14.3	0.6	34.9	46.0	-11.1
0.612	13.8	0.7	34.5	46.0	-11.5
1.224	13.5	0.5	34.0	46.0	-12.0
0.918	13.3	0.6	33.9	46.0	-12.1
0.534	13.0	0.8	33.8	46.0	-12.2
0.230	19.0	1.0	40.0	52.5	-12.5
1.296	12.9	0.5	33.4	46.0	-12.6
1.528	12.7	0.5	33.2	46.0	-12.8
1.832	12.7	0.5	33.2	46.0	-12.8
0.764	12.5	0.6	33.1	46.0	-12.9
1.144	12.6	0.5	33.1	46.0	-12.9
2.600	12.5	0.5	33.0	46.0	-13.0
3.296	12.5	0.5	33.0	46.0	-13.0
3.368	12.5	0.5	33.0	46.0	-13.0
1.912	12.4	0.5	32.9	46.0	-13.1
1.448	12.3	0.5	32.8	46.0	-13.2
3.064	12.2	0.5	32.7	46.0	-13.3

# EMC

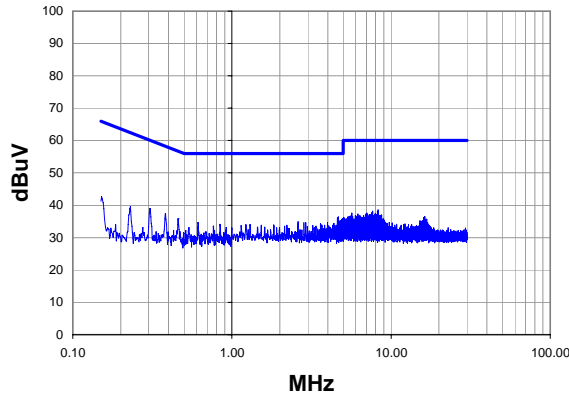
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, cellular band, low channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

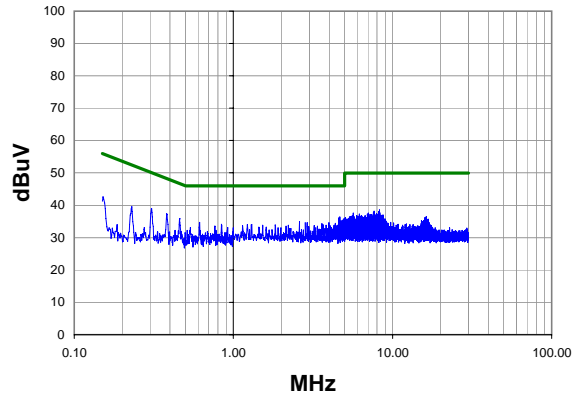
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	4	<b>Line:</b> High Line	<b>Ext. Attenuation:</b> 20	<b>Results</b>	Pass
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Peak Data - vs - 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)
4.672	15.9	0.5	36.4	56.0	-19.6
4.592	15.6	0.5	36.1	56.0	-19.9
4.976	15.4	0.5	35.9	56.0	-20.1
4.904	15.2	0.5	35.7	56.0	-20.3
4.824	14.7	0.5	35.2	56.0	-20.8
0.381	16.5	0.9	37.4	58.3	-20.9
0.458	15.0	0.8	35.8	56.7	-20.9
4.752	14.6	0.5	35.1	56.0	-20.9
2.600	14.4	0.5	34.9	56.0	-21.1
0.305	18.0	0.9	38.9	60.1	-21.2
0.614	14.0	0.7	34.7	56.0	-21.3
2.832	14.1	0.5	34.6	56.0	-21.4
2.904	14.1	0.5	34.6	56.0	-21.4
3.984	14.1	0.5	34.6	56.0	-21.4
8.270	18.1	0.5	38.6	60.0	-21.4
4.368	13.9	0.5	34.4	56.0	-21.6
3.600	13.8	0.5	34.3	56.0	-21.7
7.650	17.7	0.5	38.2	60.0	-21.8
0.842	13.5	0.6	34.1	56.0	-21.9
8.190	17.6	0.5	38.1	60.0	-21.9

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
4.672	15.9	0.5	36.4	46.0	-9.6
4.592	15.6	0.5	36.1	46.0	-9.9
4.976	15.4	0.5	35.9	46.0	-10.1
4.904	15.2	0.5	35.7	46.0	-10.3
4.824	14.7	0.5	35.2	46.0	-10.8
0.381	16.5	0.9	37.4	48.3	-10.9
0.458	15.0	0.8	35.8	46.7	-10.9
4.752	14.6	0.5	35.1	46.0	-10.9
2.600	14.4	0.5	34.9	46.0	-11.1
0.305	18.0	0.9	38.9	50.1	-11.2
0.614	14.0	0.7	34.7	46.0	-11.3
2.832	14.1	0.5	34.6	46.0	-11.4
2.904	14.1	0.5	34.6	46.0	-11.4
3.984	14.1	0.5	34.6	46.0	-11.4
8.270	18.1	0.5	38.6	50.0	-11.4
4.368	13.9	0.5	34.4	46.0	-11.6
3.600	13.8	0.5	34.3	46.0	-11.7
7.650	17.7	0.5	38.2	50.0	-11.8
0.842	13.5	0.6	34.1	46.0	-11.9
8.190	17.6	0.5	38.1	50.0	-11.9

# EMC

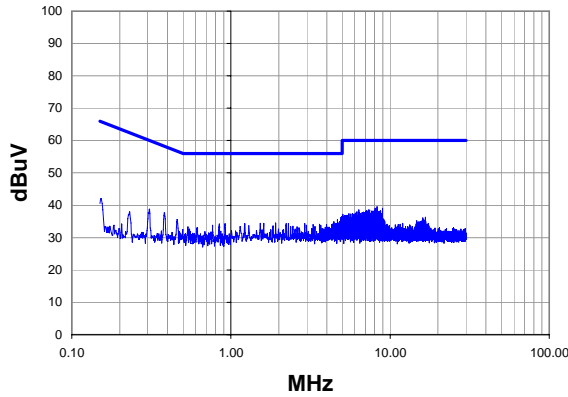
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, cellular band, high channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

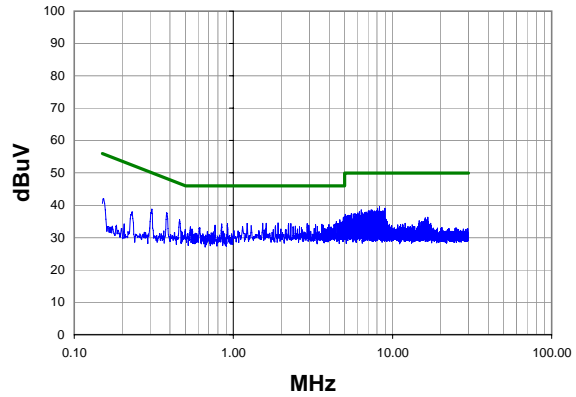
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	5	<b>Line:</b> High Line	<b>Ext. Attenuation:</b> 20	<b>Results</b>	Pass
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Peak Data - vs - 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)
4.976	16.0	0.5	36.5	56.0	-19.5
4.904	15.7	0.5	36.2	56.0	-19.8
8.270	19.1	0.5	39.6	60.0	-20.4
4.672	15.0	0.5	35.5	56.0	-20.5
0.381	16.8	0.9	37.7	58.3	-20.6
8.040	18.6	0.5	39.1	60.0	-20.9
8.960	18.6	0.5	39.1	60.0	-20.9
4.832	14.5	0.5	35.0	56.0	-21.0
0.459	14.8	0.8	35.6	56.7	-21.1
4.440	14.4	0.5	34.9	56.0	-21.1
0.306	17.8	0.9	38.7	60.1	-21.3
6.350	18.1	0.5	38.6	60.0	-21.4
7.350	18.1	0.5	38.6	60.0	-21.4
1.912	14.0	0.5	34.5	56.0	-21.5
4.744	14.0	0.5	34.5	56.0	-21.5
7.430	18.0	0.5	38.5	60.0	-21.5
1.528	13.9	0.5	34.4	56.0	-21.6
1.608	13.9	0.5	34.4	56.0	-21.6
0.918	13.8	0.6	34.4	56.0	-21.6
1.216	13.8	0.5	34.3	56.0	-21.7

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
4.976	16.0	0.5	36.5	46.0	-9.5
4.904	15.7	0.5	36.2	46.0	-9.8
8.270	19.1	0.5	39.6	50.0	-10.4
4.672	15.0	0.5	35.5	46.0	-10.5
0.381	16.8	0.9	37.7	48.3	-10.6
8.040	18.6	0.5	39.1	50.0	-10.9
8.960	18.6	0.5	39.1	50.0	-10.9
4.832	14.5	0.5	35.0	46.0	-11.0
0.459	14.8	0.8	35.6	46.7	-11.1
4.440	14.4	0.5	34.9	46.0	-11.1
0.306	17.8	0.9	38.7	50.1	-11.3
6.350	18.1	0.5	38.6	50.0	-11.4
7.350	18.1	0.5	38.6	50.0	-11.4
1.912	14.0	0.5	34.5	46.0	-11.5
4.744	14.0	0.5	34.5	46.0	-11.5
7.430	18.0	0.5	38.5	50.0	-11.5
1.528	13.9	0.5	34.4	46.0	-11.6
1.608	13.9	0.5	34.4	46.0	-11.6
0.918	13.8	0.6	34.4	46.0	-11.6
1.216	13.8	0.5	34.3	46.0	-11.7

# EMC

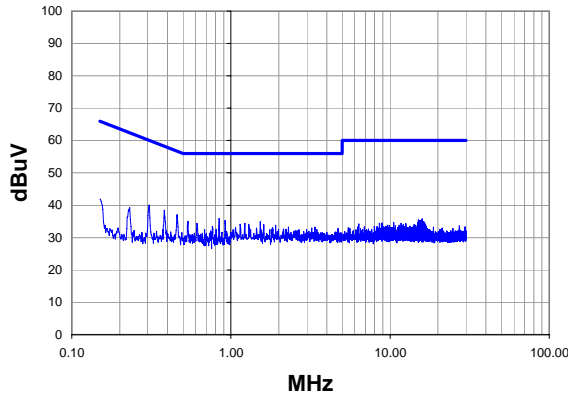
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, cellular band, high channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

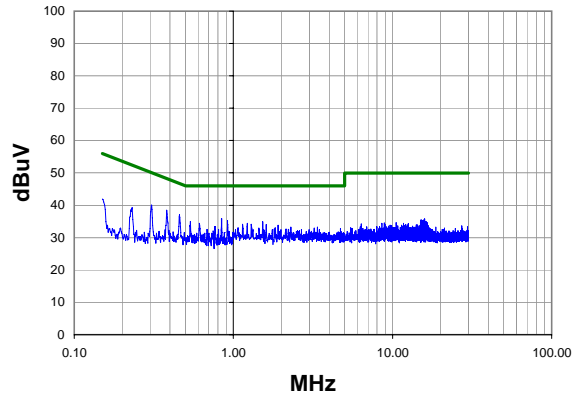
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	6	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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Peak Data - vs - Quasi 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)
0.458	16.3	0.8	37.1	56.7	-19.6
0.381	17.6	0.9	38.5	58.3	-19.8
0.306	19.1	0.9	40.0	60.1	-20.0
0.842	15.2	0.6	35.8	56.0	-20.2
0.918	14.8	0.6	35.4	56.0	-20.6
0.538	14.2	0.8	35.0	56.0	-21.0
1.528	14.4	0.5	34.9	56.0	-21.1
0.612	13.7	0.7	34.4	56.0	-21.6
1.224	13.9	0.5	34.4	56.0	-21.6
1.144	13.6	0.5	34.1	56.0	-21.9
1.296	13.6	0.5	34.1	56.0	-21.9
1.608	13.5	0.5	34.0	56.0	-22.0
1.912	13.3	0.5	33.8	56.0	-22.2
0.765	12.8	0.6	33.4	56.0	-22.6
2.296	12.7	0.5	33.2	56.0	-22.8
3.368	12.7	0.5	33.2	56.0	-22.8
1.072	12.5	0.5	33.0	56.0	-23.0
1.832	12.5	0.5	33.0	56.0	-23.0
1.448	12.4	0.5	32.9	56.0	-23.1
3.216	12.4	0.5	32.9	56.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.458	16.3	0.8	37.1	46.7	-9.6
0.381	17.6	0.9	38.5	48.3	-9.8
0.306	19.1	0.9	40.0	50.1	-10.0
0.842	15.2	0.6	35.8	46.0	-10.2
0.918	14.8	0.6	35.4	46.0	-10.6
0.538	14.2	0.8	35.0	46.0	-11.0
1.528	14.4	0.5	34.9	46.0	-11.1
0.612	13.7	0.7	34.4	46.0	-11.6
1.224	13.9	0.5	34.4	46.0	-11.6
1.144	13.6	0.5	34.1	46.0	-11.9
1.296	13.6	0.5	34.1	46.0	-11.9
1.608	13.5	0.5	34.0	46.0	-12.0
1.912	13.3	0.5	33.8	46.0	-12.2
0.765	12.8	0.6	33.4	46.0	-12.6
2.296	12.7	0.5	33.2	46.0	-12.8
3.368	12.7	0.5	33.2	46.0	-12.8
1.072	12.5	0.5	33.0	46.0	-13.0
1.832	12.5	0.5	33.0	46.0	-13.0
1.448	12.4	0.5	32.9	46.0	-13.1
3.216	12.4	0.5	32.9	46.0	-13.1

# EMC

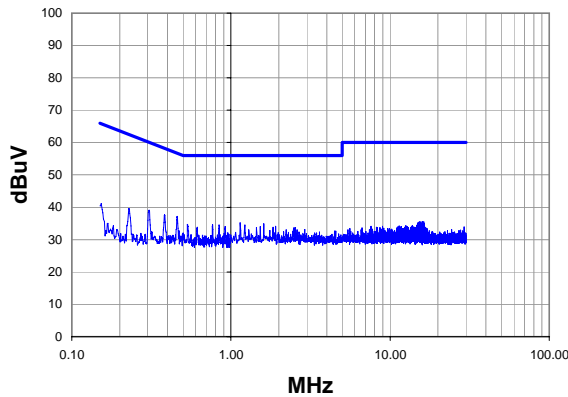
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, PCS band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

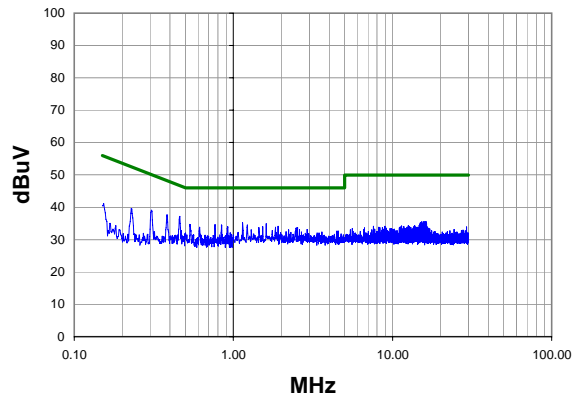
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	7	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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Peak Data - vs - Quasi 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)
0.461	16.4	0.8	37.2	56.7	-19.4
0.383	16.8	0.9	37.7	58.2	-20.5
1.144	14.7	0.5	35.2	56.0	-20.8
0.305	18.1	0.9	39.0	60.1	-21.1
1.608	14.4	0.5	34.9	56.0	-21.1
0.533	13.9	0.8	34.7	56.0	-21.3
0.767	14.0	0.6	34.6	56.0	-21.4
1.224	14.0	0.5	34.5	56.0	-21.5
0.842	13.9	0.6	34.5	56.0	-21.5
1.912	13.6	0.5	34.1	56.0	-21.9
0.918	13.5	0.6	34.1	56.0	-21.9
1.528	13.5	0.5	34.0	56.0	-22.0
0.614	13.1	0.7	33.8	56.0	-22.2
1.840	13.3	0.5	33.8	56.0	-22.2
1.448	13.2	0.5	33.7	56.0	-22.3
2.528	13.2	0.5	33.7	56.0	-22.3
2.480	13.1	0.5	33.6	56.0	-22.4
2.904	12.6	0.5	33.1	56.0	-22.9
0.228	18.6	1.0	39.6	62.5	-22.9
1.296	12.5	0.5	33.0	56.0	-23.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.461	16.4	0.8	37.2	46.7	-9.4
0.383	16.8	0.9	37.7	48.2	-10.5
1.144	14.7	0.5	35.2	46.0	-10.8
0.305	18.1	0.9	39.0	50.1	-11.1
1.608	14.4	0.5	34.9	46.0	-11.1
0.533	13.9	0.8	34.7	46.0	-11.3
0.767	14.0	0.6	34.6	46.0	-11.4
1.224	14.0	0.5	34.5	46.0	-11.5
0.842	13.9	0.6	34.5	46.0	-11.5
1.912	13.6	0.5	34.1	46.0	-11.9
0.918	13.5	0.6	34.1	46.0	-11.9
1.528	13.5	0.5	34.0	46.0	-12.0
0.614	13.1	0.7	33.8	46.0	-12.2
1.840	13.3	0.5	33.8	46.0	-12.2
1.448	13.2	0.5	33.7	46.0	-12.3
2.528	13.2	0.5	33.7	46.0	-12.3
2.480	13.1	0.5	33.6	46.0	-12.4
2.904	12.6	0.5	33.1	46.0	-12.9
0.228	18.6	1.0	39.6	52.5	-12.9
1.296	12.5	0.5	33.0	46.0	-13.0

# EMC

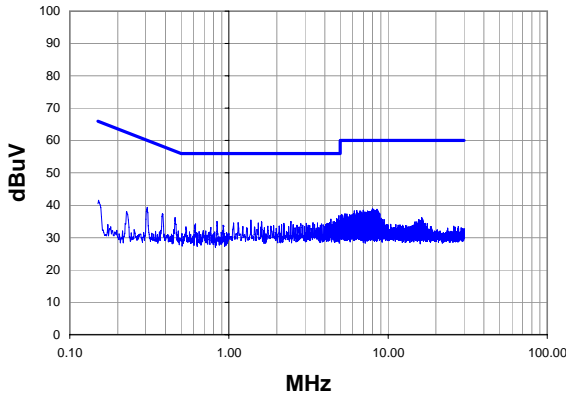
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	07/19/07	<i>Holly Ashkannejhad</i> <b>Tested by:</b> Holly Ashkannejhad
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	1 - CE - EVDO			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	Receiving EVDO Rev. 0, PCS band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

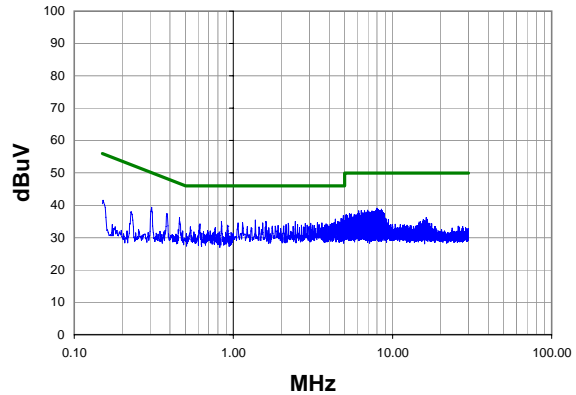
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	8	<b>Line:</b> High Line	<b>Ext. Attenuation:</b> 20	<b>Results</b>	Pass
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Peak Data - vs - 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)
4.904	16.3	0.5	36.8	56.0	-19.2
4.752	15.4	0.5	35.9	56.0	-20.1
4.368	15.2	0.5	35.7	56.0	-20.3
4.832	15.2	0.5	35.7	56.0	-20.3
0.458	15.4	0.8	36.2	56.7	-20.5
1.376	14.9	0.5	35.4	56.0	-20.6
4.976	14.8	0.5	35.3	56.0	-20.7
0.306	18.4	0.9	39.3	60.1	-20.7
0.383	16.5	0.9	37.4	58.2	-20.8
7.970	18.6	0.5	39.1	60.0	-20.9
1.600	14.5	0.5	35.0	56.0	-21.0
0.842	14.4	0.6	35.0	56.0	-21.0
2.448	14.5	0.5	35.0	56.0	-21.0
4.520	14.4	0.5	34.9	56.0	-21.1
4.600	14.4	0.5	34.9	56.0	-21.1
8.040	18.3	0.5	38.8	60.0	-21.2
8.500	18.3	0.5	38.8	60.0	-21.2
8.120	18.2	0.5	38.7	60.0	-21.3
1.144	14.1	0.5	34.6	56.0	-21.4
3.368	14.1	0.5	34.6	56.0	-21.4

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
4.904	16.3	0.5	36.8	46.0	-9.2
4.752	15.4	0.5	35.9	46.0	-10.1
4.368	15.2	0.5	35.7	46.0	-10.3
4.832	15.2	0.5	35.7	46.0	-10.3
0.458	15.4	0.8	36.2	46.7	-10.5
1.376	14.9	0.5	35.4	46.0	-10.6
4.976	14.8	0.5	35.3	46.0	-10.7
0.306	18.4	0.9	39.3	50.1	-10.7
0.383	16.5	0.9	37.4	48.2	-10.8
7.970	18.6	0.5	39.1	50.0	-10.9
1.600	14.5	0.5	35.0	46.0	-11.0
0.842	14.4	0.6	35.0	46.0	-11.0
2.448	14.5	0.5	35.0	46.0	-11.0
4.520	14.4	0.5	34.9	46.0	-11.1
4.600	14.4	0.5	34.9	46.0	-11.1
8.040	18.3	0.5	38.8	50.0	-11.2
8.500	18.3	0.5	38.8	50.0	-11.2
8.120	18.2	0.5	38.7	50.0	-11.3
1.144	14.1	0.5	34.6	46.0	-11.4
3.368	14.1	0.5	34.6	46.0	-11.4

# EMC

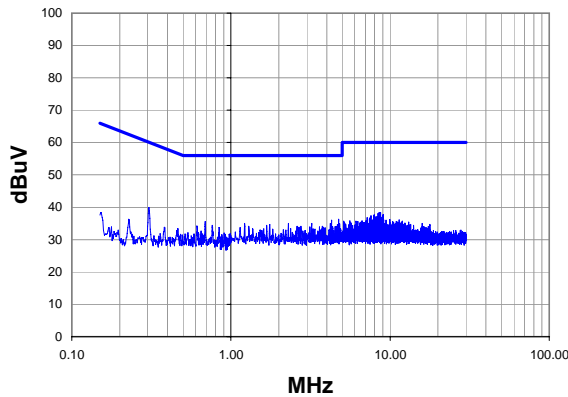
# AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	CDMA Rx mode, cellular band, low channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

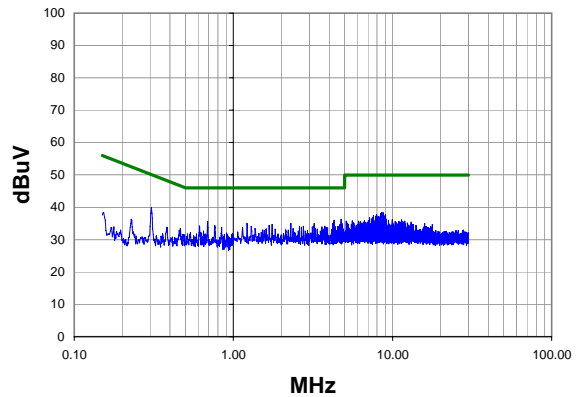
<b>Test Specifications</b>	<b>Class B</b>	<b>Test Method</b>
FCC 15.107:2006		ANSI C63.4:2003

<b>Run #</b>	10	<b>Line:</b> High Line	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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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)
4.744	15.8	0.5	36.3	56.0	-19.7
4.288	15.5	0.5	36.0	56.0	-20.0
0.305	19.0	0.9	39.9	60.1	-20.2
0.689	14.9	0.7	35.6	56.0	-20.4
1.216	14.5	0.5	35.0	56.0	-21.0
2.296	14.5	0.5	35.0	56.0	-21.0
3.216	14.5	0.5	35.0	56.0	-21.0
4.208	14.5	0.5	35.0	56.0	-21.0
4.824	14.4	0.5	34.9	56.0	-21.1
1.752	14.1	0.5	34.6	56.0	-21.4
4.672	14.1	0.5	34.6	56.0	-21.4
0.762	13.8	0.6	34.4	56.0	-21.6
1.680	13.9	0.5	34.4	56.0	-21.6
8.570	17.9	0.5	38.4	60.0	-21.6
8.720	17.9	0.5	38.4	60.0	-21.6
0.612	13.5	0.7	34.2	56.0	-21.8
8.490	17.7	0.5	38.2	60.0	-21.8
1.296	13.6	0.5	34.1	56.0	-21.9
2.600	13.6	0.5	34.1	56.0	-21.9
2.752	13.6	0.5	34.1	56.0	-21.9


Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
4.744	15.8	0.5	36.3	46.0	-9.7
4.288	15.5	0.5	36.0	46.0	-10.0
0.305	19.0	0.9	39.9	50.1	-10.2
0.689	14.9	0.7	35.6	46.0	-10.4
1.216	14.5	0.5	35.0	46.0	-11.0
2.296	14.5	0.5	35.0	46.0	-11.0
3.216	14.5	0.5	35.0	46.0	-11.0
4.208	14.5	0.5	35.0	46.0	-11.0
4.824	14.4	0.5	34.9	46.0	-11.1
1.752	14.1	0.5	34.6	46.0	-11.4
4.672	14.1	0.5	34.6	46.0	-11.4
0.762	13.8	0.6	34.4	46.0	-11.6
1.680	13.9	0.5	34.4	46.0	-11.6
8.570	17.9	0.5	38.4	50.0	-11.6
8.720	17.9	0.5	38.4	50.0	-11.6
0.612	13.5	0.7	34.2	46.0	-11.8
8.490	17.7	0.5	38.2	50.0	-11.8
1.296	13.6	0.5	34.1	46.0	-11.9
2.600	13.6	0.5	34.1	46.0	-11.9
2.752	13.6	0.5	34.1	46.0	-11.9



# EMC

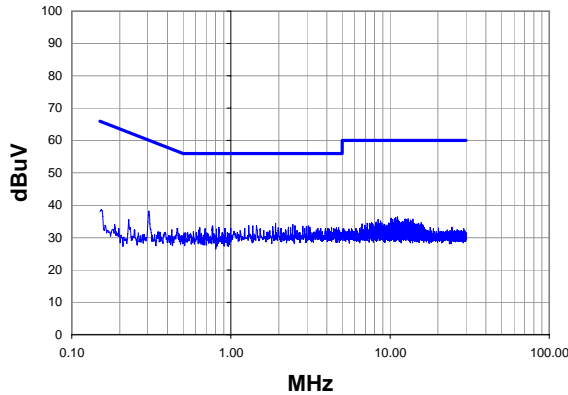
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	CDMA Rx mode, cellular band, low channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

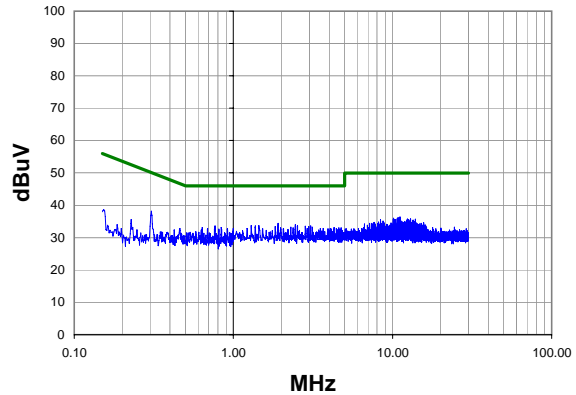
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	11	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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Peak Data - vs - 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)
1.912	13.9	0.5	34.4	56.0	-21.6
0.305	17.2	0.9	38.1	60.1	-22.0
2.448	13.5	0.5	34.0	56.0	-22.0
1.296	13.2	0.5	33.7	56.0	-22.3
1.448	13.2	0.5	33.7	56.0	-22.3
0.767	13.0	0.6	33.6	56.0	-22.4
1.376	13.1	0.5	33.6	56.0	-22.4
2.528	13.1	0.5	33.6	56.0	-22.4
3.056	13.1	0.5	33.6	56.0	-22.4
2.832	13.0	0.5	33.5	56.0	-22.5
1.832	12.9	0.5	33.4	56.0	-22.6
2.984	12.9	0.5	33.4	56.0	-22.6
2.296	12.7	0.5	33.2	56.0	-22.8
3.136	12.7	0.5	33.2	56.0	-22.8
0.636	12.4	0.7	33.1	56.0	-22.9
0.838	12.5	0.6	33.1	56.0	-22.9
4.288	12.6	0.5	33.1	56.0	-22.9
1.984	12.5	0.5	33.0	56.0	-23.0
2.368	12.5	0.5	33.0	56.0	-23.0
4.592	12.5	0.5	33.0	56.0	-23.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
1.912	13.9	0.5	34.4	46.0	-11.6
0.305	17.2	0.9	38.1	50.1	-12.0
2.448	13.5	0.5	34.0	46.0	-12.0
1.296	13.2	0.5	33.7	46.0	-12.3
1.448	13.2	0.5	33.7	46.0	-12.3
0.767	13.0	0.6	33.6	46.0	-12.4
1.376	13.1	0.5	33.6	46.0	-12.4
2.528	13.1	0.5	33.6	46.0	-12.4
3.056	13.1	0.5	33.6	46.0	-12.4
2.832	13.0	0.5	33.5	46.0	-12.5
1.832	12.9	0.5	33.4	46.0	-12.6
2.984	12.9	0.5	33.4	46.0	-12.6
2.296	12.7	0.5	33.2	46.0	-12.8
3.136	12.7	0.5	33.2	46.0	-12.8
0.636	12.4	0.7	33.1	46.0	-12.9
0.838	12.5	0.6	33.1	46.0	-12.9
4.288	12.6	0.5	33.1	46.0	-12.9
1.984	12.5	0.5	33.0	46.0	-13.0
2.368	12.5	0.5	33.0	46.0	-13.0
4.592	12.5	0.5	33.0	46.0	-13.0

# EMC

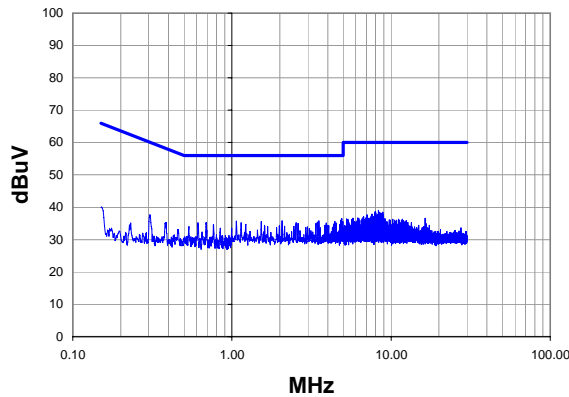
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	CDMA Rx mode, cellular band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

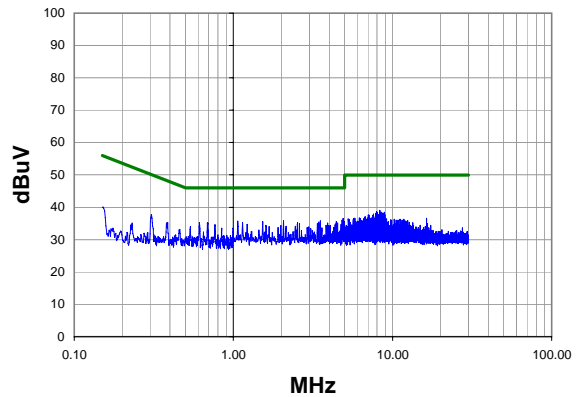
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	12	<b>Line:</b> High Line	<b>Ext. Attenuation:</b> 20	<b>Results</b>	Pass
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Peak Data - vs - 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)
4.896	16.0	0.5	36.5	56.0	-19.5
4.824	15.5	0.5	36.0	56.0	-20.0
2.064	15.3	0.5	35.8	56.0	-20.2
3.520	15.3	0.5	35.8	56.0	-20.2
1.064	15.2	0.5	35.7	56.0	-20.3
1.528	15.1	0.5	35.6	56.0	-20.4
4.440	15.1	0.5	35.6	56.0	-20.4
4.976	15.1	0.5	35.6	56.0	-20.4
3.440	14.9	0.5	35.4	56.0	-20.6
0.612	14.5	0.7	35.2	56.0	-20.8
1.144	14.7	0.5	35.2	56.0	-20.8
2.528	14.7	0.5	35.2	56.0	-20.8
0.691	14.5	0.7	35.2	56.0	-20.8
3.904	14.6	0.5	35.1	56.0	-20.9
4.520	14.6	0.5	35.1	56.0	-20.9
8.340	18.6	0.5	39.1	60.0	-20.9
2.600	14.5	0.5	35.0	56.0	-21.0
3.368	14.5	0.5	35.0	56.0	-21.0
4.368	14.3	0.5	34.8	56.0	-21.2
1.224	14.2	0.5	34.7	56.0	-21.3

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
4.896	16.0	0.5	36.5	46.0	-9.5
4.824	15.5	0.5	36.0	46.0	-10.0
2.064	15.3	0.5	35.8	46.0	-10.2
3.520	15.3	0.5	35.8	46.0	-10.2
1.064	15.2	0.5	35.7	46.0	-10.3
1.528	15.1	0.5	35.6	46.0	-10.4
4.440	15.1	0.5	35.6	46.0	-10.4
4.976	15.1	0.5	35.6	46.0	-10.4
3.440	14.9	0.5	35.4	46.0	-10.6
0.612	14.5	0.7	35.2	46.0	-10.8
1.144	14.7	0.5	35.2	46.0	-10.8
2.528	14.7	0.5	35.2	46.0	-10.8
0.691	14.5	0.7	35.2	46.0	-10.8
3.904	14.6	0.5	35.1	46.0	-10.9
4.520	14.6	0.5	35.1	46.0	-10.9
8.340	18.6	0.5	39.1	50.0	-10.9
2.600	14.5	0.5	35.0	46.0	-11.0
3.368	14.5	0.5	35.0	46.0	-11.0
4.368	14.3	0.5	34.8	46.0	-11.2
1.224	14.2	0.5	34.7	46.0	-11.3

# EMC

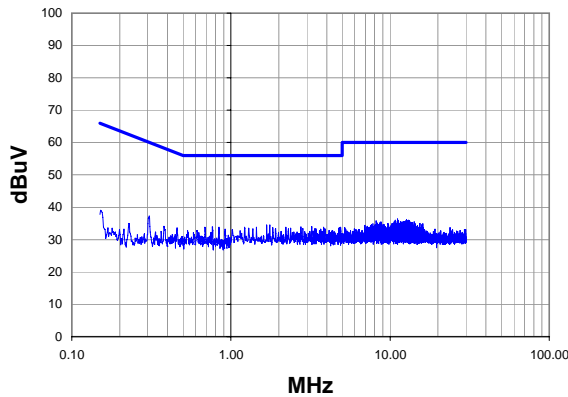
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	CDMA Rx mode, cellular band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

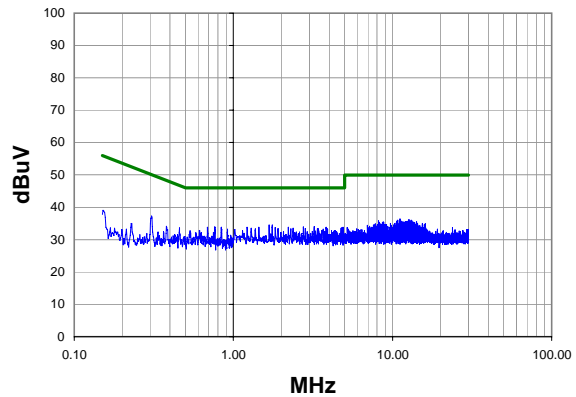
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	13	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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Peak Data - vs - 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)
1.680	14.0	0.5	34.5	56.0	-21.5
1.760	14.0	0.5	34.5	56.0	-21.5
3.216	13.5	0.5	34.0	56.0	-22.0
0.764	13.3	0.6	33.9	56.0	-22.1
2.752	13.4	0.5	33.9	56.0	-22.1
0.840	13.2	0.6	33.8	56.0	-22.2
1.216	13.3	0.5	33.8	56.0	-22.2
1.448	13.3	0.5	33.8	56.0	-22.2
2.216	13.3	0.5	33.8	56.0	-22.2
0.687	13.1	0.7	33.8	56.0	-22.2
3.824	13.3	0.5	33.8	56.0	-22.2
4.896	13.3	0.5	33.8	56.0	-22.2
1.832	13.2	0.5	33.7	56.0	-22.3
4.824	13.2	0.5	33.7	56.0	-22.3
1.296	13.0	0.5	33.5	56.0	-22.5
2.368	13.0	0.5	33.5	56.0	-22.5
4.744	13.0	0.5	33.5	56.0	-22.5
1.912	12.9	0.5	33.4	56.0	-22.6
2.832	12.9	0.5	33.4	56.0	-22.6
3.368	12.9	0.5	33.4	56.0	-22.6

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
1.680	14.0	0.5	34.5	46.0	-11.5
1.760	14.0	0.5	34.5	46.0	-11.5
3.216	13.5	0.5	34.0	46.0	-12.0
0.764	13.3	0.6	33.9	46.0	-12.1
2.752	13.4	0.5	33.9	46.0	-12.1
0.840	13.2	0.6	33.8	46.0	-12.2
1.216	13.3	0.5	33.8	46.0	-12.2
1.448	13.3	0.5	33.8	46.0	-12.2
2.216	13.3	0.5	33.8	46.0	-12.2
0.687	13.1	0.7	33.8	46.0	-12.2
3.824	13.3	0.5	33.8	46.0	-12.2
4.896	13.3	0.5	33.8	46.0	-12.2
1.832	13.2	0.5	33.7	46.0	-12.3
4.824	13.2	0.5	33.7	46.0	-12.3
1.296	13.0	0.5	33.5	46.0	-12.5
2.368	13.0	0.5	33.5	46.0	-12.5
4.744	13.0	0.5	33.5	46.0	-12.5
1.912	12.9	0.5	33.4	46.0	-12.6
2.832	12.9	0.5	33.4	46.0	-12.6
3.368	12.9	0.5	33.4	46.0	-12.6

# EMC

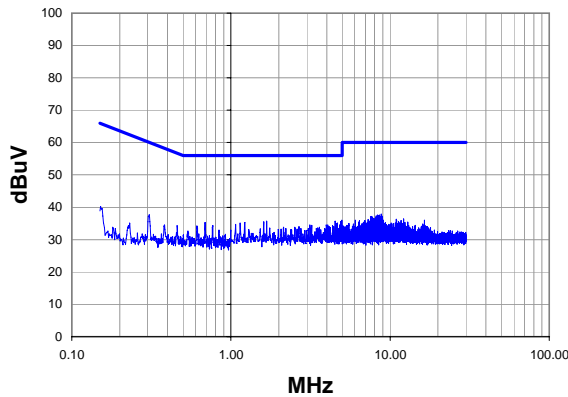
# AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	CDMA Rx mode, cellular band, high channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

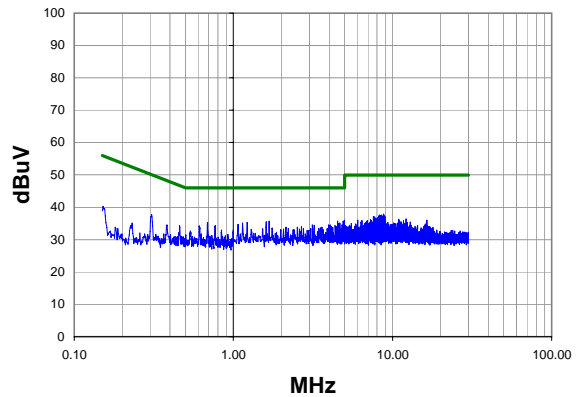
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	14	<b>Line:</b> High Line	<b>Ext. Attenuation:</b> 20	<b>Results</b>	Pass
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Peak Data - vs - 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)
4.976	15.5	0.5	36.0	56.0	-20.0
1.680	15.2	0.5	35.7	56.0	-20.3
4.520	15.2	0.5	35.7	56.0	-20.3
4.896	15.1	0.5	35.6	56.0	-20.4
1.608	15.0	0.5	35.5	56.0	-20.5
1.224	14.8	0.5	35.3	56.0	-20.7
0.686	14.5	0.7	35.2	56.0	-20.8
1.144	14.6	0.5	35.1	56.0	-20.9
4.672	14.6	0.5	35.1	56.0	-20.9
4.592	14.5	0.5	35.0	56.0	-21.0
1.072	14.2	0.5	34.7	56.0	-21.3
3.136	14.0	0.5	34.5	56.0	-21.5
3.976	14.0	0.5	34.5	56.0	-21.5
4.056	14.0	0.5	34.5	56.0	-21.5
4.824	14.0	0.5	34.5	56.0	-21.5
3.216	13.9	0.5	34.4	56.0	-21.6
0.769	13.7	0.6	34.3	56.0	-21.7
4.360	13.8	0.5	34.3	56.0	-21.7
0.612	13.5	0.7	34.2	56.0	-21.8
2.680	13.5	0.5	34.0	56.0	-22.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
4.976	15.5	0.5	36.0	46.0	-10.0
1.680	15.2	0.5	35.7	46.0	-10.3
4.520	15.2	0.5	35.7	46.0	-10.3
4.896	15.1	0.5	35.6	46.0	-10.4
1.608	15.0	0.5	35.5	46.0	-10.5
1.224	14.8	0.5	35.3	46.0	-10.7
0.686	14.5	0.7	35.2	46.0	-10.8
1.144	14.6	0.5	35.1	46.0	-10.9
4.672	14.6	0.5	35.1	46.0	-10.9
4.592	14.5	0.5	35.0	46.0	-11.0
1.072	14.2	0.5	34.7	46.0	-11.3
3.136	14.0	0.5	34.5	46.0	-11.5
3.976	14.0	0.5	34.5	46.0	-11.5
4.056	14.0	0.5	34.5	46.0	-11.5
4.824	14.0	0.5	34.5	46.0	-11.5
3.216	13.9	0.5	34.4	46.0	-11.6
0.769	13.7	0.6	34.3	46.0	-11.7
4.360	13.8	0.5	34.3	46.0	-11.7
0.612	13.5	0.7	34.2	46.0	-11.8
2.680	13.5	0.5	34.0	46.0	-12.0

# EMC

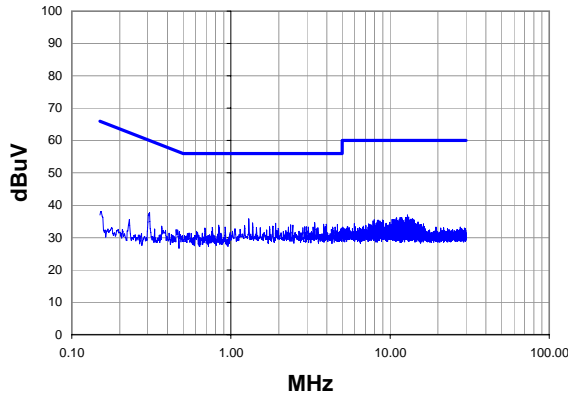
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	CDMA Rx mode, cellular band, high channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

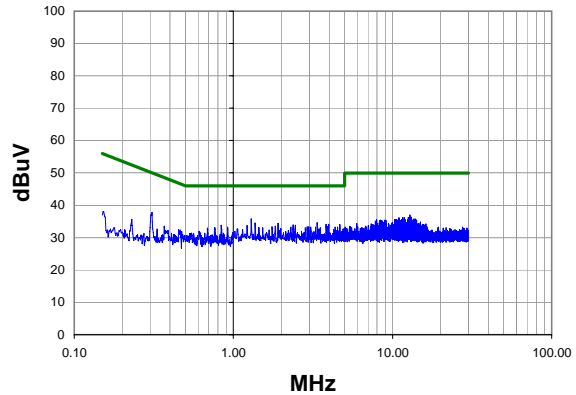
<b>Test Specifications</b>	<b>Class B</b>	<b>Test Method</b>
FCC 15.107:2006		ANSI C63.4:2003

<b>Run #</b>	15	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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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)
1.296	15.3	0.5	35.8	56.0	-20.2
3.360	14.1	0.5	34.6	56.0	-21.4
1.368	14.0	0.5	34.5	56.0	-21.5
1.912	13.9	0.5	34.4	56.0	-21.6
3.824	13.6	0.5	34.1	56.0	-21.9
3.976	13.6	0.5	34.1	56.0	-21.9
4.664	13.5	0.5	34.0	56.0	-22.0
2.368	13.4	0.5	33.9	56.0	-22.1
0.308	16.9	0.9	37.8	60.0	-22.2
0.838	13.2	0.6	33.8	56.0	-22.2
2.448	13.3	0.5	33.8	56.0	-22.2
1.216	13.2	0.5	33.7	56.0	-22.3
1.832	13.0	0.5	33.5	56.0	-22.5
3.904	12.9	0.5	33.4	56.0	-22.6
1.752	12.8	0.5	33.3	56.0	-22.7
2.904	12.8	0.5	33.3	56.0	-22.7
2.984	12.8	0.5	33.3	56.0	-22.7
0.920	12.7	0.5	33.2	56.0	-22.8
2.296	12.7	0.5	33.2	56.0	-22.8
3.064	12.7	0.5	33.2	56.0	-22.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
1.296	15.3	0.5	35.8	46.0	-10.2
3.360	14.1	0.5	34.6	46.0	-11.4
1.368	14.0	0.5	34.5	46.0	-11.5
1.912	13.9	0.5	34.4	46.0	-11.6
3.824	13.6	0.5	34.1	46.0	-11.9
3.976	13.6	0.5	34.1	46.0	-11.9
4.664	13.5	0.5	34.0	46.0	-12.0
2.368	13.4	0.5	33.9	46.0	-12.1
0.308	16.9	0.9	37.8	50.0	-12.2
0.838	13.2	0.6	33.8	46.0	-12.2
2.448	13.3	0.5	33.8	46.0	-12.2
1.216	13.2	0.5	33.7	46.0	-12.3
1.832	13.0	0.5	33.5	46.0	-12.5
3.904	12.9	0.5	33.4	46.0	-12.6
1.752	12.8	0.5	33.3	46.0	-12.7
2.904	12.8	0.5	33.3	46.0	-12.7
2.984	12.8	0.5	33.3	46.0	-12.7
0.920	12.7	0.5	33.2	46.0	-12.8
2.296	12.7	0.5	33.2	46.0	-12.8
3.064	12.7	0.5	33.2	46.0	-12.8

# EMC

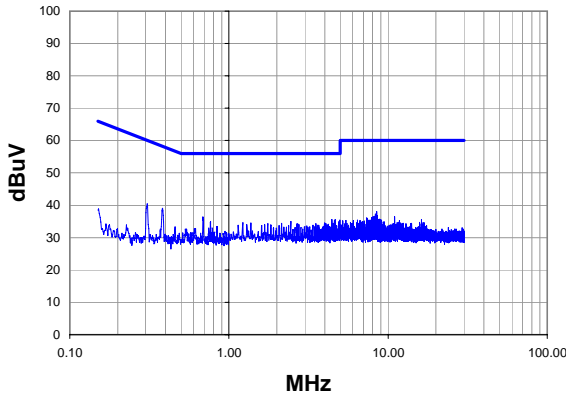
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	PCS Rx mode, cellular band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

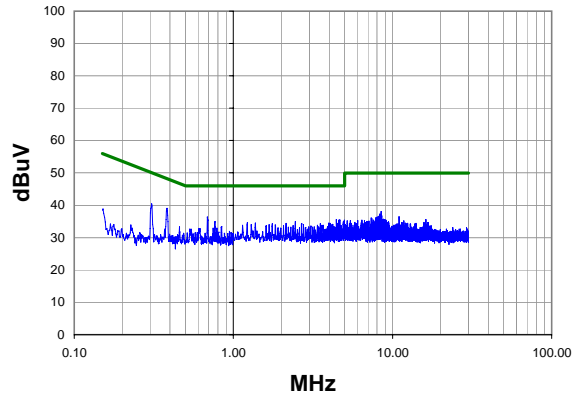
<b>Test Specifications</b> FCC 15.107:2006	<b>Class B</b>	<b>Test Method</b> ANSI C63.4:2003
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<b>Run #</b>	16	<b>Line:</b> High Line	<b>Ext. Attenuation:</b> 20	<b>Results</b>	Pass
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Peak Data - vs - 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)
0.383	18.2	0.9	39.1	58.2	-19.1
0.687	15.7	0.7	36.4	56.0	-19.6
0.306	19.5	0.9	40.4	60.1	-19.6
4.440	15.1	0.5	35.6	56.0	-20.4
4.664	15.0	0.5	35.5	56.0	-20.5
4.592	14.9	0.5	35.4	56.0	-20.6
4.976	14.9	0.5	35.4	56.0	-20.6
0.765	14.4	0.6	35.0	56.0	-21.0
2.448	14.5	0.5	35.0	56.0	-21.0
4.904	14.4	0.5	34.9	56.0	-21.1
1.224	14.1	0.5	34.6	56.0	-21.4
1.376	14.0	0.5	34.5	56.0	-21.5
3.984	14.0	0.5	34.5	56.0	-21.5
2.144	13.9	0.5	34.4	56.0	-21.6
4.056	13.9	0.5	34.4	56.0	-21.6
4.520	13.9	0.5	34.4	56.0	-21.6
1.760	13.8	0.5	34.3	56.0	-21.7
3.520	13.8	0.5	34.3	56.0	-21.7
2.672	13.7	0.5	34.2	56.0	-21.8
4.208	13.6	0.5	34.1	56.0	-21.9

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.383	18.2	0.9	39.1	48.2	-9.1
0.687	15.7	0.7	36.4	46.0	-9.6
0.306	19.5	0.9	40.4	50.1	-9.6
4.440	15.1	0.5	35.6	46.0	-10.4
4.664	15.0	0.5	35.5	46.0	-10.5
4.592	14.9	0.5	35.4	46.0	-10.6
4.976	14.9	0.5	35.4	46.0	-10.6
0.765	14.4	0.6	35.0	46.0	-11.0
2.448	14.5	0.5	35.0	46.0	-11.0
4.904	14.4	0.5	34.9	46.0	-11.1
1.224	14.1	0.5	34.6	46.0	-11.4
1.376	14.0	0.5	34.5	46.0	-11.5
3.984	14.0	0.5	34.5	46.0	-11.5
2.144	13.9	0.5	34.4	46.0	-11.6
4.056	13.9	0.5	34.4	46.0	-11.6
4.520	13.9	0.5	34.4	46.0	-11.6
1.760	13.8	0.5	34.3	46.0	-11.7
3.520	13.8	0.5	34.3	46.0	-11.7
2.672	13.7	0.5	34.2	46.0	-11.8
4.208	13.6	0.5	34.1	46.0	-11.9

# EMC

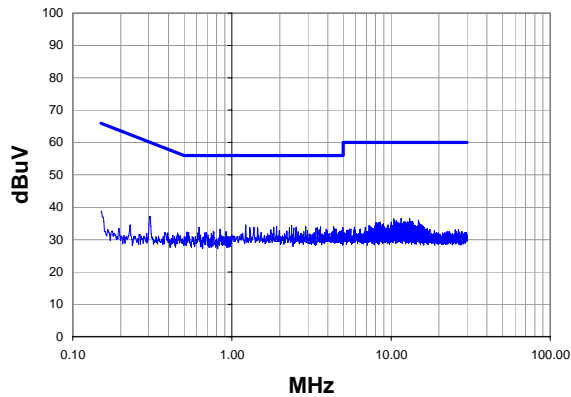
## AC Powerline Conducted Emissions

<b>Work Order:</b>	ITRM0163	<b>Date:</b>	08/03/07	 <b>Tested by:</b> Travis Rychener
<b>Project:</b>	None	<b>Temperature:</b>	24	
<b>Job Site:</b>	EV07	<b>Humidity:</b>	41	
<b>Serial Number:</b>	None	<b>Barometric Pres.:</b>	30.19	
<b>EUT:</b>	CN3 Long Keyboard			
<b>Configuration:</b>	2 - CE - CDMA			
<b>Customer:</b>	Intermec Technologies Corporation			
<b>Attendees:</b>	None			
<b>EUT Power:</b>	120VAC/60Hz			
<b>Operating Mode:</b>	PCS Rx mode, cellular band, mid channel			
<b>Deviations:</b>	No deviations.			
<b>Comments:</b>	EUT in charging cradle. Cradle charging CN3 and spare battery. EM5625 radio in CN3			

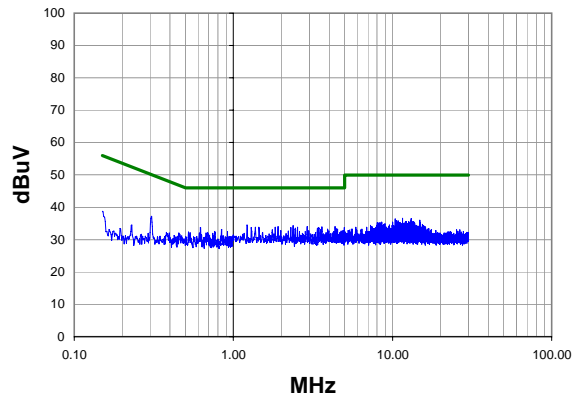
<b>Test Specifications</b>	<b>Class B</b>	<b>Test Method</b>
FCC 15.107:2006		ANSI C63.4:2003

<b>Run #</b>	17	<b>Line:</b>	Neutral	<b>Ext. Attenuation:</b>	20	<b>Results</b>	Pass
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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)
1.216	14.0	0.5	34.5	56.0	-21.5
2.368	13.8	0.5	34.3	56.0	-21.7
1.912	13.5	0.5	34.0	56.0	-22.0
2.904	13.5	0.5	34.0	56.0	-22.0
4.360	13.5	0.5	34.0	56.0	-22.0
3.600	13.4	0.5	33.9	56.0	-22.1
1.376	13.3	0.5	33.8	56.0	-22.2
1.448	13.3	0.5	33.8	56.0	-22.2
1.832	13.3	0.5	33.8	56.0	-22.2
2.528	13.3	0.5	33.8	56.0	-22.2
0.621	13.0	0.7	33.7	56.0	-22.3
1.296	13.2	0.5	33.7	56.0	-22.3
2.296	13.2	0.5	33.7	56.0	-22.3
3.440	13.2	0.5	33.7	56.0	-22.3
4.976	13.2	0.5	33.7	56.0	-22.3
2.448	13.0	0.5	33.5	56.0	-22.5
3.368	13.0	0.5	33.5	56.0	-22.5
4.432	12.8	0.5	33.3	56.0	-22.7
3.904	12.7	0.5	33.2	56.0	-22.8
4.512	12.7	0.5	33.2	56.0	-22.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
1.216	14.0	0.5	34.5	46.0	-11.5
2.368	13.8	0.5	34.3	46.0	-11.7
1.912	13.5	0.5	34.0	46.0	-12.0
2.904	13.5	0.5	34.0	46.0	-12.0
4.360	13.5	0.5	34.0	46.0	-12.0
3.600	13.4	0.5	33.9	46.0	-12.1
1.376	13.3	0.5	33.8	46.0	-12.2
1.448	13.3	0.5	33.8	46.0	-12.2
1.832	13.3	0.5	33.8	46.0	-12.2
2.528	13.3	0.5	33.8	46.0	-12.2
0.621	13.0	0.7	33.7	46.0	-12.3
1.296	13.2	0.5	33.7	46.0	-12.3
2.296	13.2	0.5	33.7	46.0	-12.3
3.440	13.2	0.5	33.7	46.0	-12.3
4.976	13.2	0.5	33.7	46.0	-12.3
2.448	13.0	0.5	33.5	46.0	-12.5
3.368	13.0	0.5	33.5	46.0	-12.5
4.432	12.8	0.5	33.3	46.0	-12.7
3.904	12.7	0.5	33.2	46.0	-12.8
4.512	12.7	0.5	33.2	46.0	-12.8

