

Exhibit R: Spurious Radiated Emissions

FCC ID: HN2PC24-11

Justification

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. While scanning the radiated emissions, all of the EUT parameters listed below were investigated. This includes, but may not be limited to, antennas, tuned transmit frequency ranges, operating modes, and data rates.

Channels in Specified Band Investigated:

Low
Mid
High

Operating Modes Investigated:

Typical

Antennas Investigated:

Highest gain antenna of each type and lowest gain antenna overall, to be used with the device

Data Rates Investigated:

Maximum

Output Power Setting(s) Investigated:

Maximum

Power Input Settings Investigated:

5VDC

Frequency Range Investigated

Start Frequency	30 MHz	Stop Frequency	25 GHz
-----------------	--------	----------------	--------

Software\Firmware Applied During Test

Exercise software	Wireless Client Manager	Version	2.90
Exercise software	FCCTST24.Bin	Version	Unknown
Description			
The system was tested using the Wireless Client Manager software to exercise the functions of the device during testing. The system was tested using FCCTST24.Bin while connected to the hand held terminal			

Equipment Modifications

No EMI suppression devices were added or modified. The EUT was tested as delivered.

EUT and Peripherals

Description	Manufacturer	Model/Part Number	Serial Number
EUT-PCMCIA Card	INTERMEC	P24-11-FC/R	02UT34371446
Extender Card	Swart Interconnect	EXT-PCM-68-SM3	060501-212
Host Device	INTERMEC	2435	27300200205
5VDC Adapter	INTERMEC	0-302029-01	N/A
Antenna	INTERMEC	805-544-022	N/A
Antenna	INTERMEC	805-545-003	N/A
Antenna	INTERMEC	071478-001	N/A
Antenna	INTERMEC	066147-001	N/A
Antenna	INTERMEC	070143-001	N/A
Antenna	INTERMEC	063825-005	N/A
Antenna	INTERMEC	065349	N/A
Antenna	INTERMEC	063365	N/A
Antenna	INTERMEC	063366	N/A
Antenna	INTERMEC	071122	N/A

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
5VDC power	No	1.9	PA	5VDC Adapter	EUT
Antenna Cable (Intermec Part No.: 070665-002)	Yes	0.17	Yes	Antenna 063825-005	EUT
Antenna Cable	Yes	0.48	No	Antenna 805-544-022	EUT
Antenna Cable	Yes	0.24	No	Antenna 066147-001	EUT
Antenna Cable	Yes	0.55	No	Antennas: 065349 063365 063366 071122	EUT

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Measurement Equipment

Description	Manufacturer	Model	Identifier	Last Cal	Interval
Spectrum Analyzer	Hewlett-Packard	8566B	AAL	03/19/2002	12 mo
Quasi-Peak Adapter	Hewlett-Packard	85650A	AQF	03/19/2002	12 mo
Pre-Amplifier	Amplifier Research	LN1000A	APS	12/03/2001	12 mo
Antenna, Biconilog	EMCO	3141	AXE	12/31/2001	12 mo
Pre-Amplifier	Miteq	AMF-4D-010120-30-10P	AOP	07/09/2002	12 mo
Antenna, Horn	EMCO	3115	AHC	08/12/2002	12 mo
Antenna, Horn	EMCO	3115	AHJ	05/23/2002	12 mo
Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	01/17/2000	36 mo
Antenna, Horn	EMCO	3160-09	AHG	01/15/2000	36 mo
Pre-Amplifier	Miteq	AMF-4D-005180-24-10P	APC	07/09/2002	12 mo
High Pass Filter	RLC Electronics	F-100-4000-5-R (HPF>	HFF	02/04/2002	12 mo

Test Description

Requirement: The field strength of any spurious emissions or modulation products that fall in a restricted band, as defined in 47 CFR 15.205, is measured. The peak level must comply with the limits specified in 47 CFR 15.35(b). The average level (taken with a 10Hz VBW) must comply with the limits specified in 15.209.

Configuration: The highest gain of each type of antenna, and the lowest gain antenna overall were 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 EUT antenna in three orthogonal axis, and adjusting the measurement antenna height and polarization (per ANSI C63.4:1992). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

Bandwidths Used for Measurements

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.

Completed by:



EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS

Specification:	FCC Part 15.209	Year:	2000
Method:	ANSI C63.4	Year:	1992

SAMPLE CALCULATIONS

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

COMMENTS

Antenna 063825-005

EUT OPERATING MODES

modulated, low channel

DEVIATIONS FROM TEST STANDARD

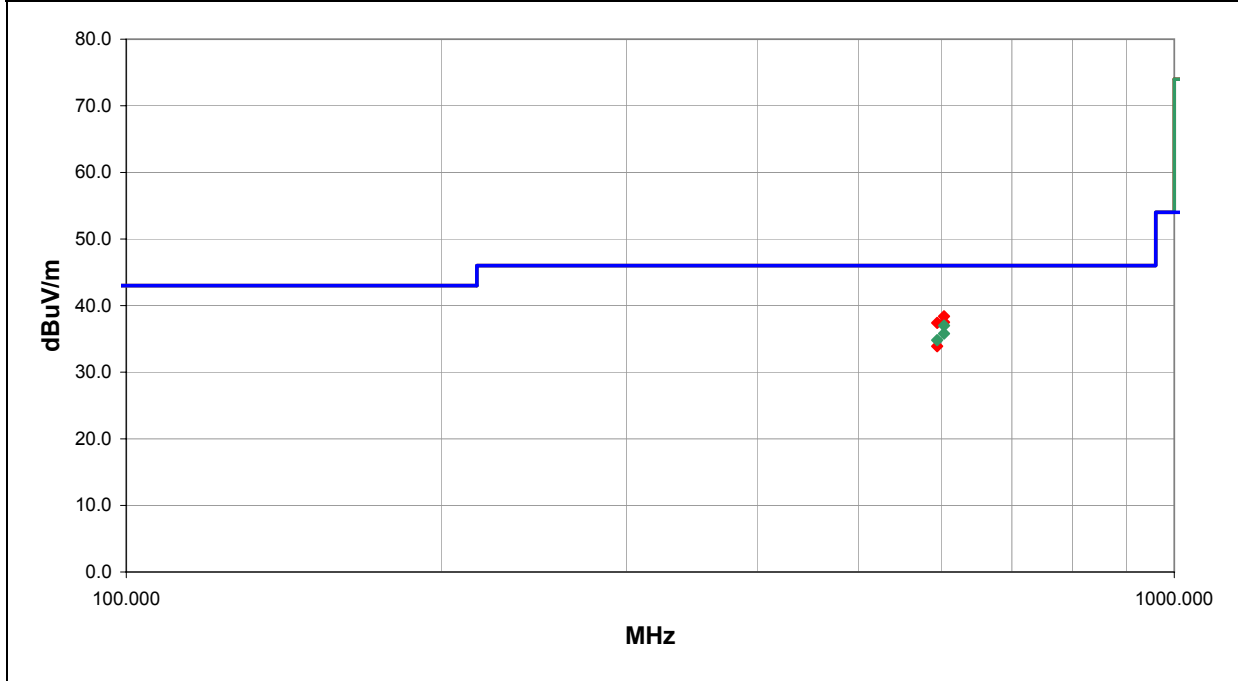
No deviations.

RESULTS

Pass	Test Distance (m)	Run #
	3	16

Other


 Tested By:



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)
603.020	36.3	-7.9	216.0	1.7	3.0	10.0	V-Bilog	PK	0.0	38.4	46.0	-7.6
603.020	35.4	-7.9	129.0	1.2	3.0	10.0	H-Bilog	PK	0.0	37.5	46.0	-8.5
594.007	35.4	-8.0	118.0	1.4	3.0	10.0	H-Bilog	PK	0.0	37.4	46.0	-8.6
594.007	31.9	-8.0	222.0	1.7	3.0	10.0	V-Bilog	PK	0.0	33.9	46.0	-12.1
603.030	34.9	-7.9	216.0	1.7	3.0	10.0	V-Bilog	QP	0.0	37.0	46.0	-9.0
603.028	33.7	-7.9	129.0	1.2	3.0	10.0	H-Bilog	QP	0.0	35.8	46.0	-10.2
594.028	32.8	-8.0	118.0	1.4	3.0	10.0	H-Bilog	QP	0.0	34.8	46.0	-11.2

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS

Specification:	FCC Part 15.209	Year:	2000
Method:	ANSI C63.4	Year:	1992

SAMPLE CALCULATIONS

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

COMMENTS

Antenna 066147-001

EUT OPERATING MODES

modulated, low channel

DEVIATIONS FROM TEST STANDARD

No deviations.

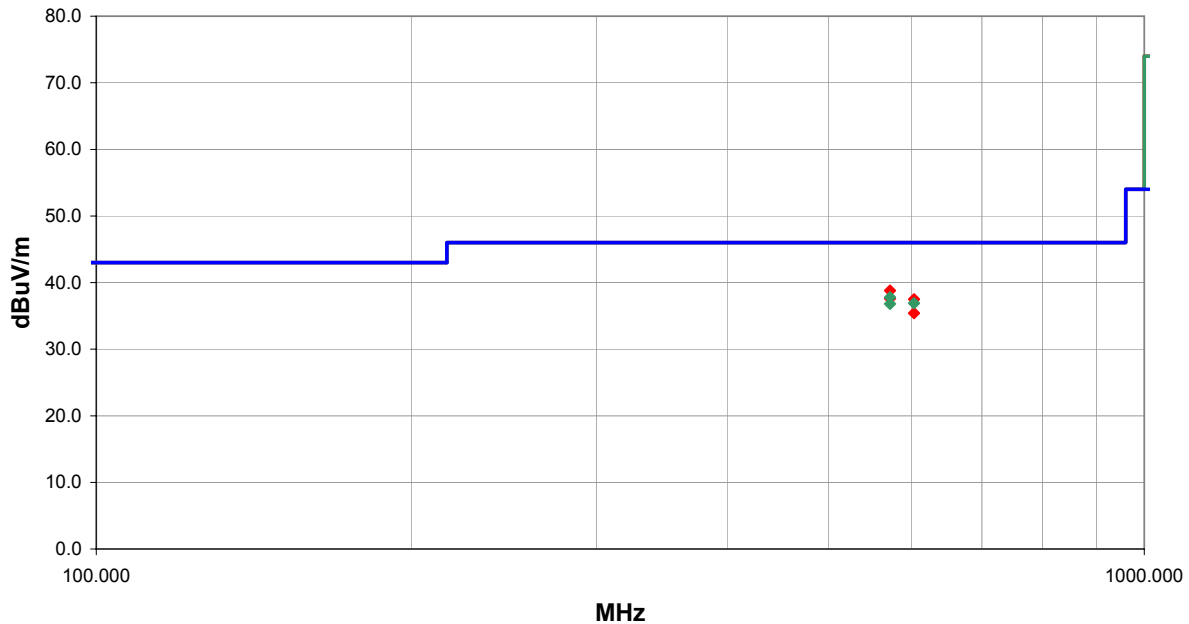
RESULTS

Pass	Test Distance (m)	Run #
	3	18

Other



Tested By:



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)
572.009	37.2	-8.4	236.0	1.5	3.0	10.0	H-Bilog	PK	0.0	38.8	46.0	-7.2
572.009	36.0	-8.4	191.0	1.0	3.0	10.0	V-Bilog	PK	0.0	37.6	46.0	-8.4
603.020	35.4	-7.9	198.0	1.8	3.0	10.0	V-Bilog	PK	0.0	37.5	46.0	-8.5
603.020	33.3	-7.9	125.0	1.2	3.0	10.0	H-Bilog	PK	0.0	35.4	46.0	-10.6
572.029	36.2	-8.4	236.0	1.5	3.0	10.0	H-Bilog	QP	0.0	37.8	46.0	-8.2
603.029	34.8	-7.9	198.0	1.8	3.0	10.0	V-Bilog	QP	0.0	36.9	46.0	-9.1
572.028	35.2	-8.4	191.0	1.0	3.0	10.0	V-Bilog	QP	0.0	36.8	46.0	-9.2

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS
 Antenna 071478-001

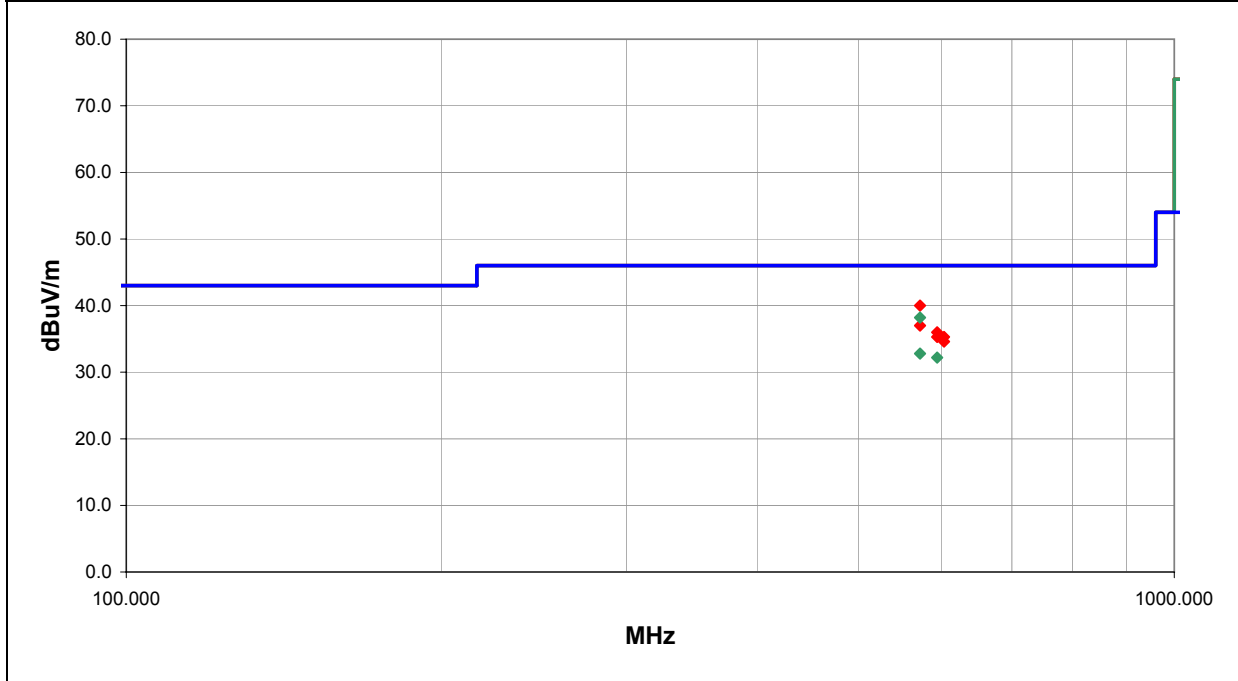
EUT OPERATING MODES
 modulated, mid channel

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	20

Other


 Tested By:



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)
572.007	34.1	-4.1	129.0	1.6	3.0	10.0	H-Dipole	PK	0.0	40.0	46.0	-6.0
572.007	31.1	-4.1	124.0	1.0	3.0	10.0	V-Dipole	PK	0.0	37.0	46.0	-9.0
594.007	29.9	-3.9	237.0	1.6	3.0	10.0	H-Dipole	PK	0.0	36.0	46.0	-10.0
594.007	29.2	-3.9	176.0	1.7	3.0	10.0	V-Dipole	PK	0.0	35.3	46.0	-10.7
603.020	29.1	-3.8	223.0	1.2	3.0	10.0	H-Dipole	PK	0.0	35.3	46.0	-10.7
603.020	28.4	-3.8	180.0	1.7	3.0	10.0	V-Dipole	PK	0.0	34.6	46.0	-11.4
572.030	32.3	-4.1	129.0	1.6	3.0	10.0	H-Dipole	QP	0.0	38.2	46.0	-7.8
572.030	26.9	-4.1	124.0	1.0	3.0	10.0	V-Dipole	QP	0.0	32.8	46.0	-13.2
594.021	26.1	-3.9	237.0	1.6	3.0	10.0	H-Dipole	QP	0.0	32.2	46.0	-13.8

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS
 Antenna 805-544-022

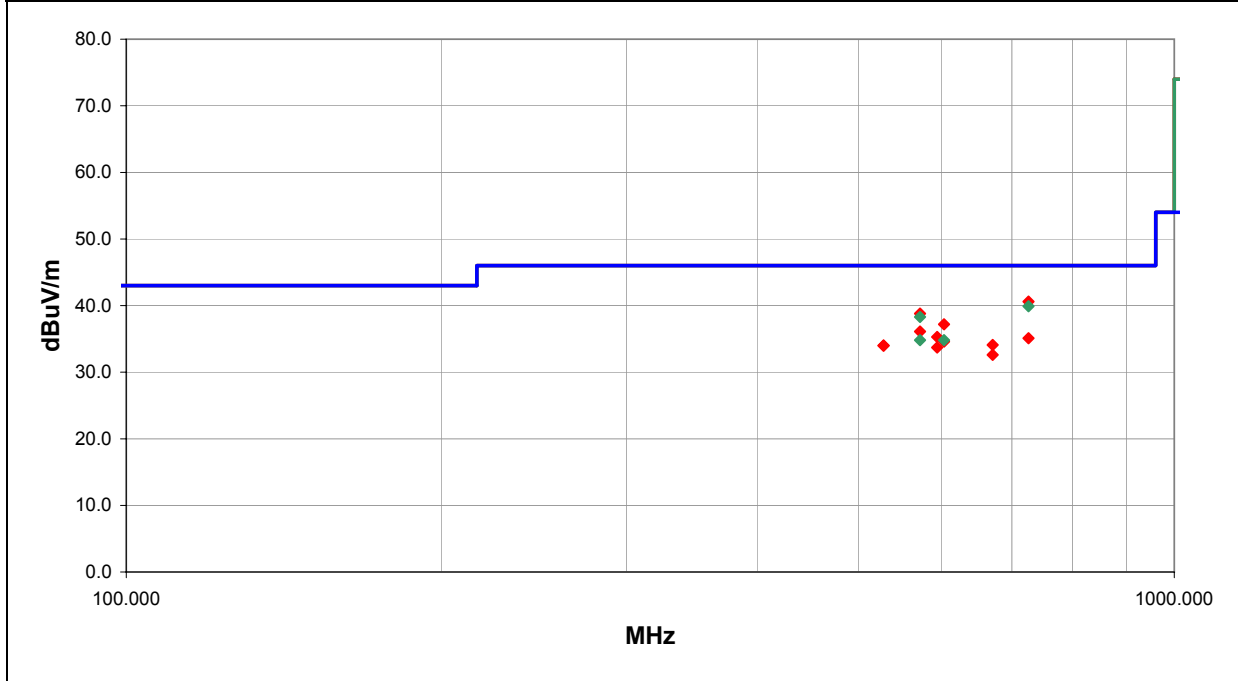
EUT OPERATING MODES
 modulated, mid channel

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	22

Other


 Tested By: _____



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)
726.010	37.5	-6.9	314.0	1.2	3.0	10.0	H-Bilog	PK	0.0	40.6	46.0	-5.4
572.009	37.2	-8.4	117.0	1.6	3.0	10.0	H-Bilog	PK	0.0	38.8	46.0	-7.2
603.020	35.1	-7.9	282.0	1.3	3.0	10.0	H-Bilog	PK	0.0	37.2	46.0	-8.8
572.009	34.5	-8.4	178.0	1.5	3.0	10.0	V-Bilog	PK	0.0	36.1	46.0	-9.9
594.007	33.3	-8.0	115.0	1.4	3.0	10.0	H-Bilog	PK	0.0	35.3	46.0	-10.7
726.010	32.0	-6.9	235.0	1.7	3.0	10.0	V-Bilog	PK	0.0	35.1	46.0	-10.9
603.020	32.5	-7.9	210.0	2.9	3.0	10.0	V-Bilog	PK	0.0	34.6	46.0	-11.4
671.014	31.2	-7.1	308.0	2.6	3.0	10.0	H-Bilog	PK	0.0	34.1	46.0	-11.9
528.012	33.3	-9.3	128.0	1.8	3.0	10.0	H-Bilog	PK	0.0	34.0	46.0	-12.0
528.012	33.3	-9.3	215.0	2.2	3.0	10.0	V-Bilog	PK	0.0	34.0	46.0	-12.0
594.007	31.7	-8.0	179.0	1.3	3.0	10.0	V-Bilog	PK	0.0	33.7	46.0	-12.3
671.014	29.7	-7.1	310.0	2.0	3.0	10.0	V-Bilog	PK	0.0	32.6	46.0	-13.4
726.028	36.8	-6.9	314.0	1.2	3.0	10.0	H-Bilog	QP	0.0	39.9	46.0	-6.1
572.028	36.7	-8.4	117.0	1.6	3.0	10.0	H-Bilog	QP	0.0	38.3	46.0	-7.7
572.028	33.2	-8.4	178.0	1.5	3.0	10.0	V-Bilog	QP	0.0	34.8	46.0	-11.2
603.029	32.7	-7.9	282.0	1.3	3.0	10.0	H-Bilog	QP	0.0	34.8	46.0	-11.2

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS
 Antenna 805-545-003

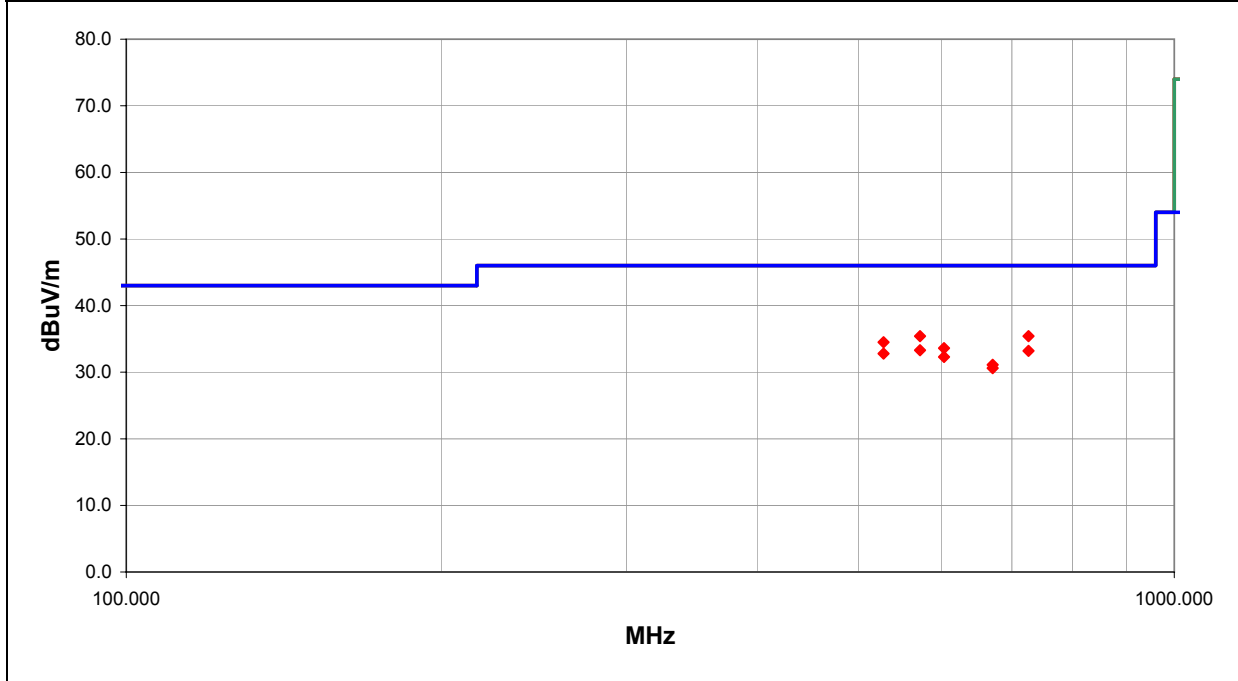
EUT OPERATING MODES
 modulated, mid channel

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	26

Other


 Tested By: _____



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)
572.009	33.8	-8.4	231.0	1.5	3.0	10.0	H-Bilog	PK	0.0	35.4	46.0	-10.6
726.010	32.3	-6.9	43.0	1.1	3.0	10.0	H-Bilog	PK	0.0	35.4	46.0	-10.6
528.012	33.8	-9.3	123.0	1.8	3.0	10.0	H-Bilog	PK	0.0	34.5	46.0	-11.5
603.020	31.5	-7.9	218.0	1.4	3.0	10.0	H-Bilog	PK	0.0	33.6	46.0	-12.4
572.009	31.7	-8.4	176.0	1.0	3.0	10.0	V-Bilog	PK	0.0	33.3	46.0	-12.7
726.010	30.1	-6.9	256.0	2.3	3.0	10.0	V-Bilog	PK	0.0	33.2	46.0	-12.8
528.012	32.1	-9.3	190.0	1.9	3.0	10.0	V-Bilog	PK	0.0	32.8	46.0	-13.2
603.020	30.2	-7.9	175.0	1.7	3.0	10.0	V-Bilog	PK	0.0	32.3	46.0	-13.7
671.014	28.2	-7.1	65.0	1.2	3.0	10.0	H-Bilog	PK	0.0	31.1	46.0	-14.9
671.014	27.7	-7.1	196.0	1.7	3.0	10.0	V-Bilog	PK	0.0	30.6	46.0	-15.4

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS
 Antenna 070143-001

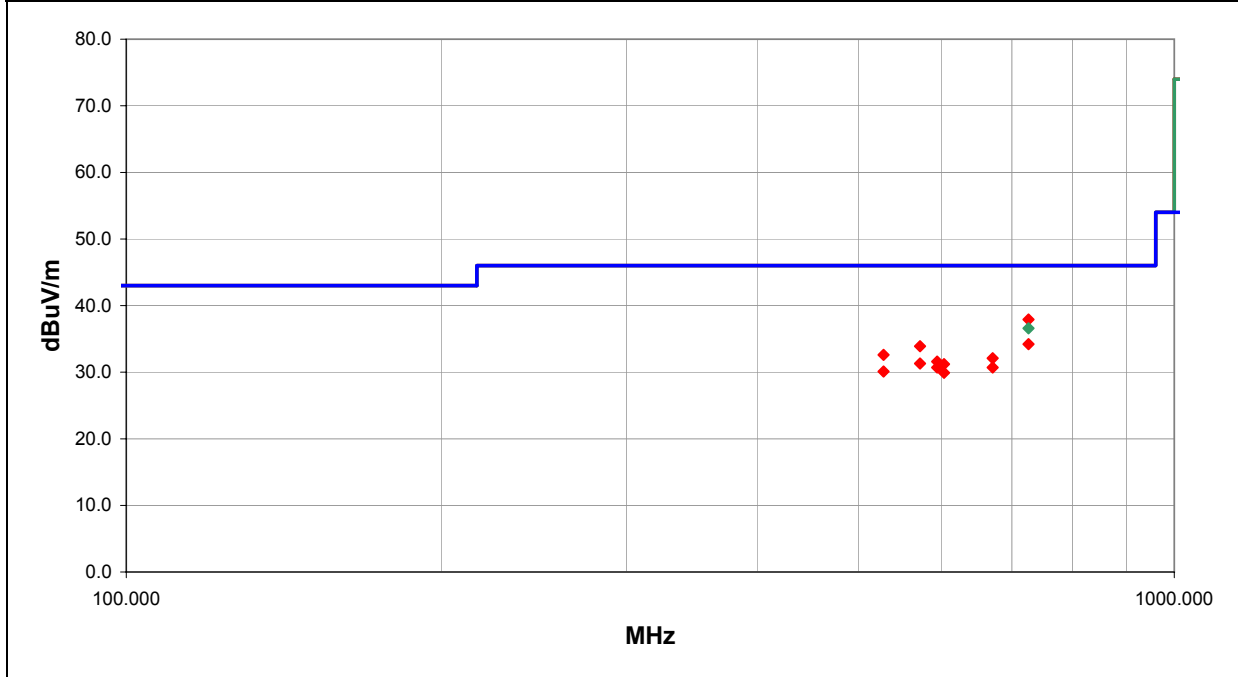
EUT OPERATING MODES
 modulated, high channel

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	26

Other


 Tested By: _____



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)
726.010	34.8	-6.9	98.0	1.2	3.0	10.0	H-Bilog	PK	0.0	37.9	46.0	-8.1
726.010	31.1	-6.9	256.0	1.6	3.0	10.0	V-Bilog	PK	0.0	34.2	46.0	-11.8
572.009	32.3	-8.4	116.0	1.4	3.0	10.0	H-Bilog	PK	0.0	33.9	46.0	-12.1
528.012	31.9	-9.3	110.0	1.8	3.0	10.0	H-Bilog	PK	0.0	32.6	46.0	-13.4
671.014	29.2	-7.1	98.0	1.2	3.0	10.0	H-Bilog	PK	0.0	32.1	46.0	-13.9
594.007	29.6	-8.0	140.0	1.2	3.0	10.0	H-Bilog	PK	0.0	31.6	46.0	-14.4
572.009	29.7	-8.4	106.0	1.0	3.0	10.0	V-Bilog	PK	0.0	31.3	46.0	-14.7
603.020	29.1	-7.9	214.0	1.2	3.0	10.0	H-Bilog	PK	0.0	31.2	46.0	-14.8
594.007	28.7	-8.0	69.0	1.7	3.0	10.0	V-Bilog	PK	0.0	30.7	46.0	-15.3
671.014	27.8	-7.1	181.0	2.9	3.0	10.0	V-Bilog	PK	0.0	30.7	46.0	-15.3
528.012	29.4	-9.3	203.0	1.0	3.0	10.0	V-Bilog	PK	0.0	30.1	46.0	-15.9
603.020	27.8	-7.9	187.0	2.7	3.0	10.0	V-Bilog	PK	0.0	29.9	46.0	-16.1
726.025	33.5	-6.9	98.0	1.2	3.0	10.0	H-Bilog	QP	0.0	36.6	46.0	-9.4

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.1
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS
 Antenna 070143-001

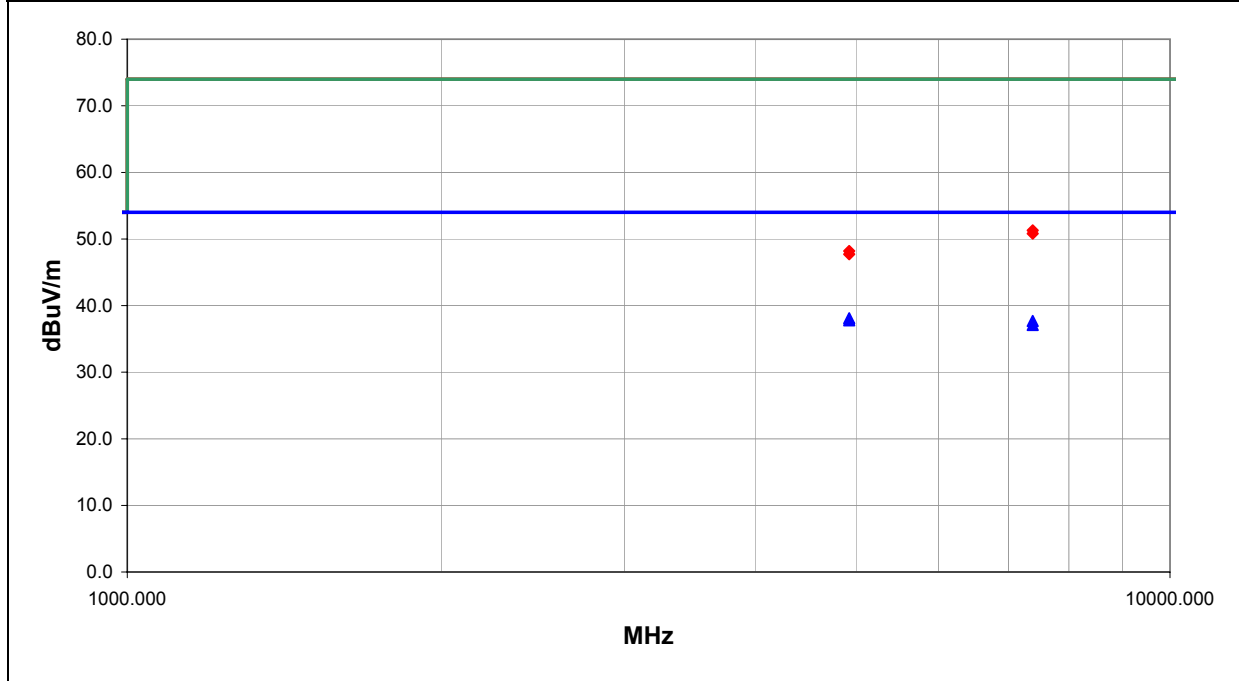
EUT OPERATING MODES
 modulated, high channel

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	3

Other


 Tested By: _____



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)
4924.000	30.6	7.5	79.0	1.9	3.0	0.0	H-Horn	AV	0.0	38.1	54.0	-15.9
4924.000	30.3	7.5	112.0	1.4	3.0	0.0	V-Horn	AV	0.0	37.8	54.0	-16.2
7386.000	27.0	10.7	93.0	1.2	3.0	0.0	V-Horn	AV	0.0	37.7	54.0	-16.3
7386.000	26.4	10.7	0.0	1.0	3.0	0.0	H-Horn	AV	0.0	37.1	54.0	-16.9
7386.000	40.6	10.7	93.0	1.2	3.0	0.0	V-Horn	PK	0.0	51.3	74.0	-22.7
7386.000	40.1	10.7	0.0	1.0	3.0	0.0	H-Horn	PK	0.0	50.8	74.0	-23.2
4924.000	40.7	7.5	112.0	1.4	3.0	0.0	V-Horn	PK	0.0	48.2	74.0	-25.8
4924.000	40.2	7.5	79.0	1.9	3.0	0.0	H-Horn	PK	0.0	47.7	74.0	-26.3

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS

Specification:	FCC Part 15.209	Year:	2000
Method:	ANSI C63.4	Year:	1992

SAMPLE CALCULATIONS

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

COMMENTS

Antenna 805-545-003

EUT OPERATING MODES

modulated, low channel

DEVIATIONS FROM TEST STANDARD

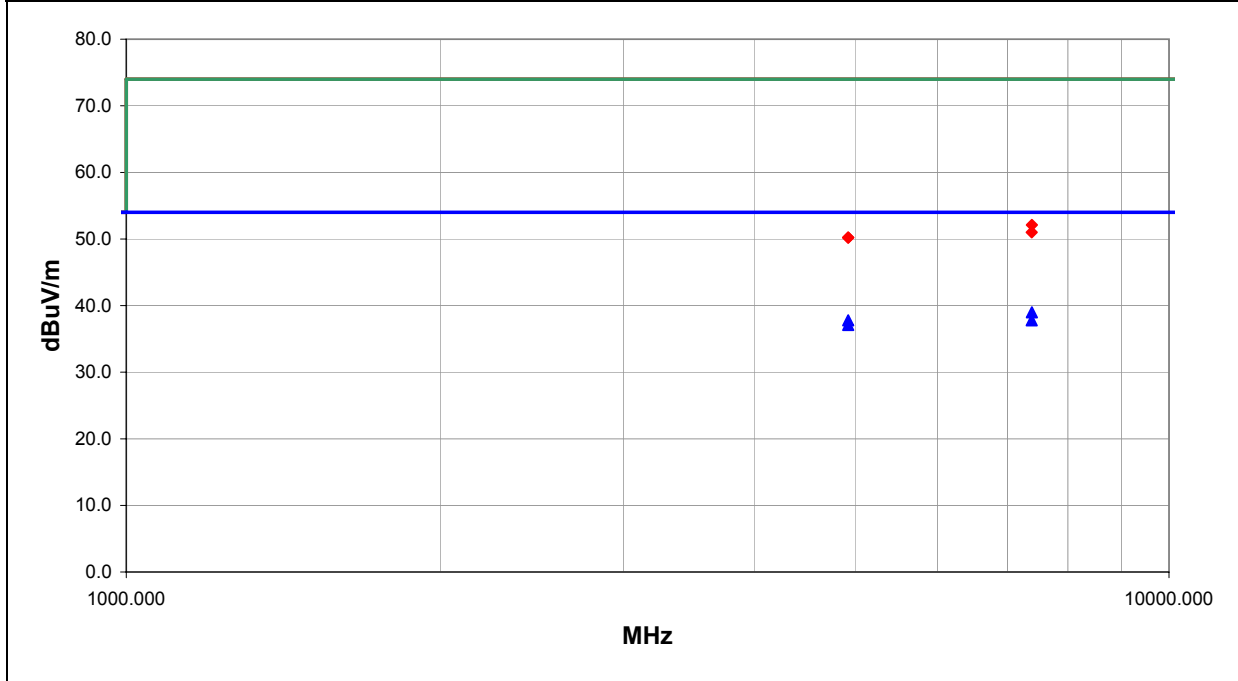
No deviations.

RESULTS

Pass	Test Distance (m)	Run #
	3	5

Other


 Tested By: _____



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)
7387.300	28.3	10.7	224.0	1.7	3.0	0.0	V-Horn	AV	0.0	39.0	54.0	-15.0
4924.000	30.3	7.5	314.0	1.2	3.0	0.0	H-Horn	AV	0.0	37.8	54.0	-16.2
7386.048	27.1	10.7	88.0	1.1	3.0	0.0	H-Horn	AV	0.0	37.8	54.0	-16.2
4924.000	29.6	7.5	127.0	1.2	3.0	0.0	V-Horn	AV	0.0	37.1	54.0	-16.9
7387.300	41.4	10.7	224.0	1.7	3.0	0.0	V-Horn	PK	0.0	52.1	74.0	-21.9
7386.048	40.3	10.7	88.0	1.1	3.0	0.0	H-Horn	PK	0.0	51.0	74.0	-23.0
4924.000	42.7	7.5	314.0	1.2	3.0	0.0	H-Horn	PK	0.0	50.2	74.0	-23.8
4924.000	42.7	7.5	127.0	1.2	3.0	0.0	V-Horn	PK	0.0	50.2	74.0	-23.8

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS

Specification:	FCC Part 15.209	Year:	2000
Method:	ANSI C63.4	Year:	1992

SAMPLE CALCULATIONS

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

COMMENTS

Antenna 805-544-022

EUT OPERATING MODES

modulated, low channel

DEVIATIONS FROM TEST STANDARD

No deviations.

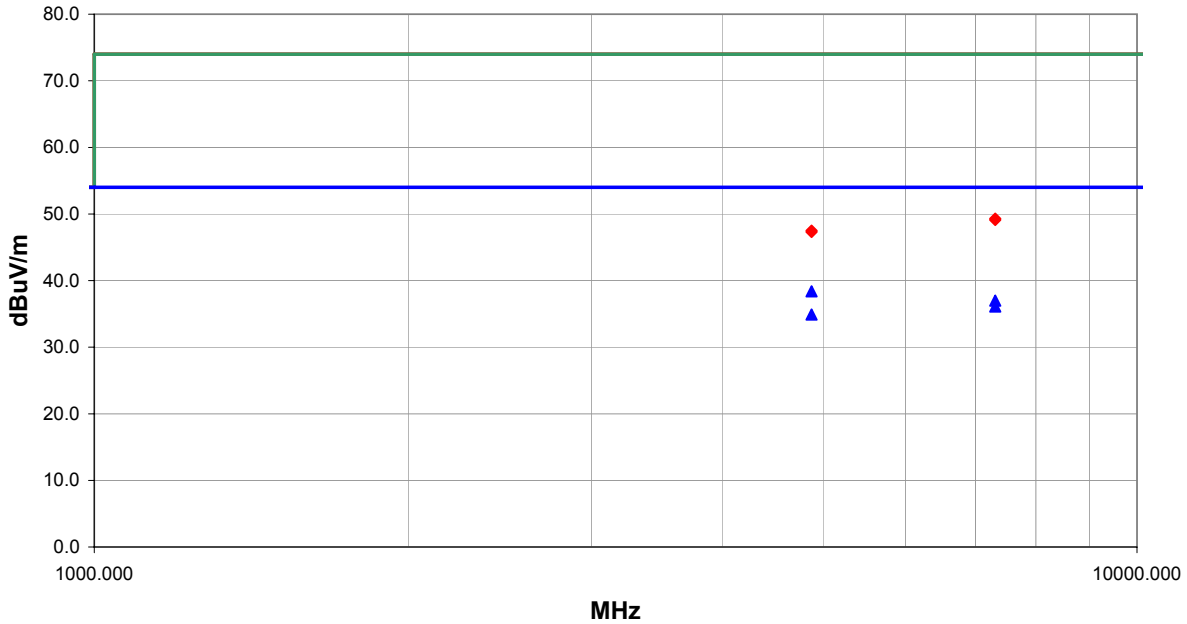
RESULTS

Pass	Test Distance (m)	Run #
	3	7

Other



Tested By:



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)
4874.000	31.2	7.2	350.0	1.6	3.0	0.0	H-Horn	AV	0.0	38.4	54.0	-15.6
7311.000	26.5	10.5	16.0	1.2	3.0	0.0	V-Horn	AV	0.0	37.0	54.0	-17.0
7311.000	25.6	10.5	0.0	1.0	3.0	0.0	H-Horn	AV	0.0	36.1	54.0	-17.9
4874.000	27.7	7.2	144.0	1.2	3.0	0.0	V-Horn	AV	0.0	34.9	54.0	-19.1
7311.000	38.8	10.5	16.0	1.2	3.0	0.0	V-Horn	PK	0.0	49.3	74.0	-24.7
7311.000	38.6	10.5	0.0	1.0	3.0	0.0	H-Horn	PK	0.0	49.1	74.0	-24.9
4874.000	40.3	7.2	350.0	1.6	3.0	0.0	H-Horn	PK	0.0	47.5	74.0	-26.5
4874.000	40.1	7.2	144.0	1.2	3.0	0.0	V-Horn	PK	0.0	47.3	74.0	-26.7

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS
 Antenna 071478-001

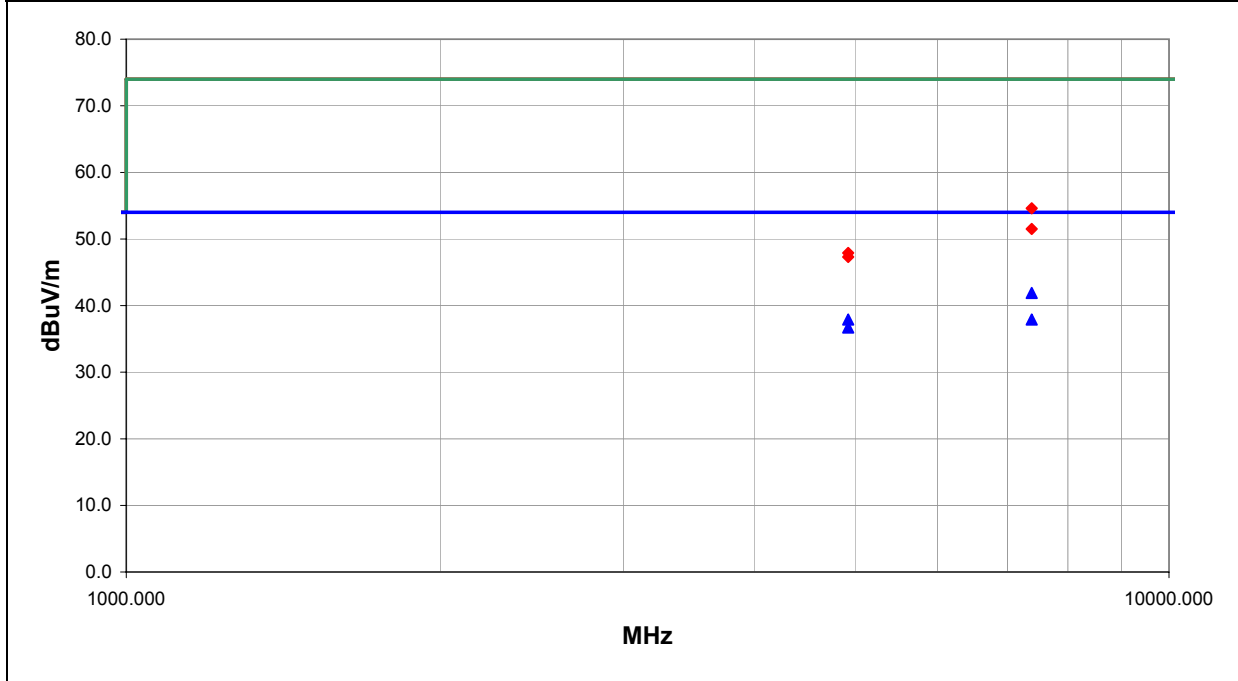
EUT OPERATING MODES
 modulated, low channel

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	9

Other


 Tested By: _____



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)
7386.000	31.2	10.7	117.0	1.2	3.0	0.0	V-Horn	AV	0.0	41.9	54.0	-12.1
4924.000	30.4	7.5	134.0	1.2	3.0	0.0	V-Horn	AV	0.0	37.9	54.0	-16.1
7386.000	27.2	10.7	53.0	1.0	3.0	0.0	H-Horn	AV	0.0	37.9	54.0	-16.1
4924.000	29.2	7.5	325.0	1.2	3.0	0.0	H-Horn	AV	0.0	36.7	54.0	-17.3
7386.000	43.9	10.7	117.0	1.2	3.0	0.0	V-Horn	PK	0.0	54.6	74.0	-19.4
7386.000	40.8	10.7	53.0	1.0	3.0	0.0	H-Horn	PK	0.0	51.5	74.0	-22.5
4924.000	40.4	7.5	134.0	1.2	3.0	0.0	V-Horn	PK	0.0	47.9	74.0	-26.1
4924.000	39.8	7.5	325.0	1.2	3.0	0.0	H-Horn	PK	0.0	47.3	74.0	-26.7

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS
 Antenna 066147-001

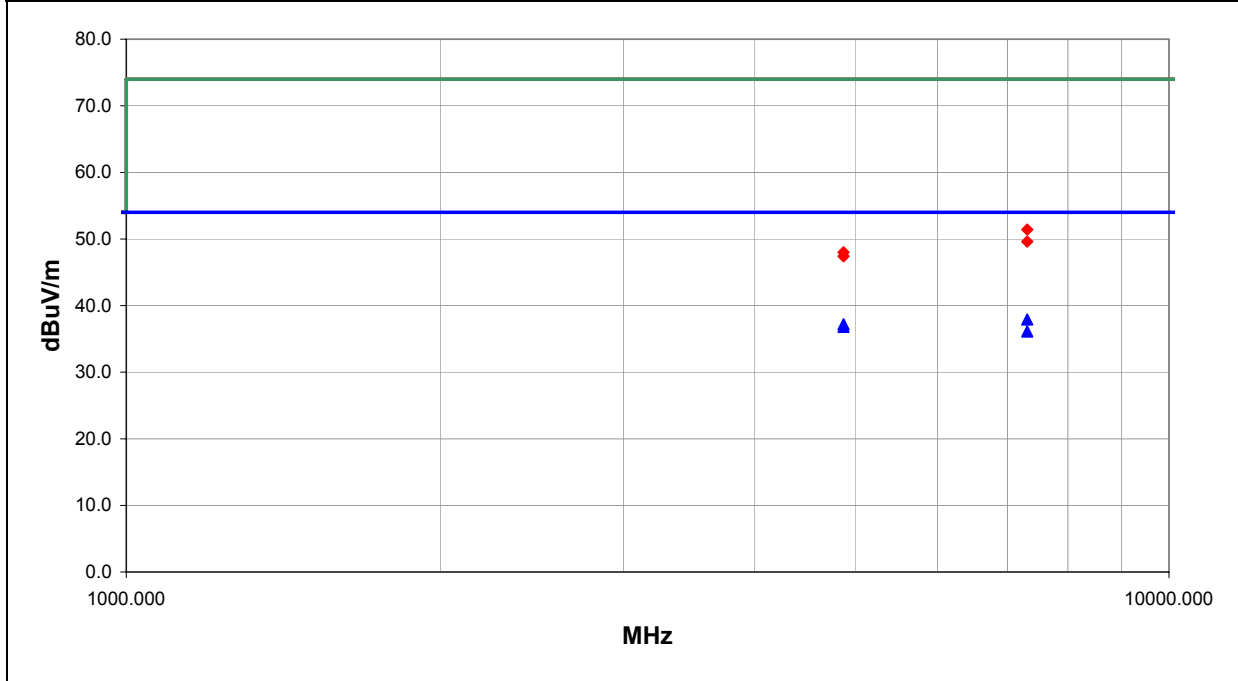
EUT OPERATING MODES
 modulated, mid channel

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	11

Other


 Tested By: _____



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)
7311.000	27.4	10.5	186.0	2.0	3.0	0.0	V-Horn	AV	0.0	37.9	54.0	-16.1
4874.000	30.0	7.2	260.0	1.3	3.0	0.0	V-Horn	AV	0.0	37.2	54.0	-16.8
4874.000	29.6	7.2	297.0	1.8	3.0	0.0	H-Horn	AV	0.0	36.8	54.0	-17.2
7311.000	25.6	10.5	0.0	1.0	3.0	0.0	H-Horn	AV	0.0	36.1	54.0	-17.9
7311.000	40.9	10.5	186.0	2.0	3.0	0.0	V-Horn	PK	0.0	51.4	74.0	-22.6
7311.000	39.1	10.5	0.0	1.0	3.0	0.0	H-Horn	PK	0.0	49.6	74.0	-24.4
4874.000	40.8	7.2	260.0	1.3	3.0	0.0	V-Horn	PK	0.0	48.0	74.0	-26.0
4874.000	40.2	7.2	297.0	1.8	3.0	0.0	H-Horn	PK	0.0	47.4	74.0	-26.6

EUT:	PC24-11-FC/R	Work Order:	INMC0036
Serial Number:	02UT34371446	Date:	11/21/02
Customer:	INTERMEC Corporation	Temperature:	22 °C
Attendees:	None	Humidity:	45%
Cust. Ref. No.:	None	Barometric Pressure:	30.28
Tested by:	Dan Haas	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS

Specification:	FCC Part 15.209	Year:	2000
Method:	ANSI C63.4	Year:	1992

SAMPLE CALCULATIONS

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

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

COMMENTS

Antenna 063825-005

EUT OPERATING MODES

modulated, high channel

DEVIATIONS FROM TEST STANDARD

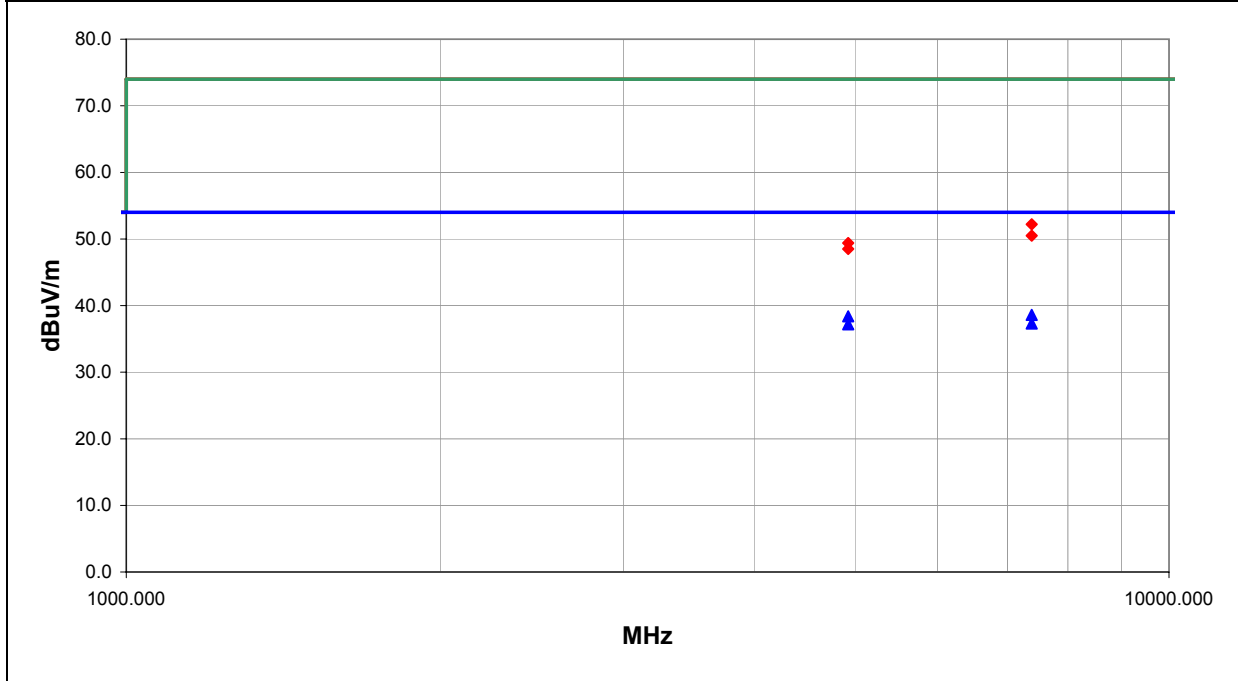
No deviations.

RESULTS

	Test Distance (m)	Run #
Pass	3	13

Other


Tested By: _____



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)
7386.000	27.9	10.7	229.0	1.3	3.0	0.0	V-Horn	AV	0.0	38.6	54.0	-15.4
4924.000	30.9	7.5	335.0	1.1	3.0	0.0	H-Horn	AV	0.0	38.4	54.0	-16.7
7386.000	26.6	10.7	-1.0	1.0	3.0	0.0	H-Horn	AV	0.0	37.3	54.0	-16.7
4924.000	29.7	7.5	263.0	1.3	3.0	0.0	V-Horn	AV	0.0	37.2	54.0	-16.8
7386.000	41.5	10.7	229.0	1.3	3.0	0.0	V-Horn	PK	0.0	52.2	74.0	-21.8
7386.000	39.8	10.7	-1.0	1.0	3.0	0.0	H-Horn	PK	0.0	50.5	74.0	-23.5
4924.000	41.9	7.5	335.0	1.1	3.0	0.0	H-Horn	PK	0.0	49.4	74.0	-24.6
4924.000	41.0	7.5	263.0	1.3	3.0	0.0	V-Horn	PK	0.0	48.5	74.0	-25.5

OATS DATA SHEET

EUT:	PC24-11-FC/R	Work Order:	INMC0055
Serial Number:	02UT34371446	Date:	12/06/02
Customer:	INTERMEC Corporation	Temperature:	75
Attendees:	None	Humidity:	29%
Cust. Ref. No.:	None	Barometric Pressure:	30.09
Tested by:	Holly Ashkannejhad	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

COMMENTS

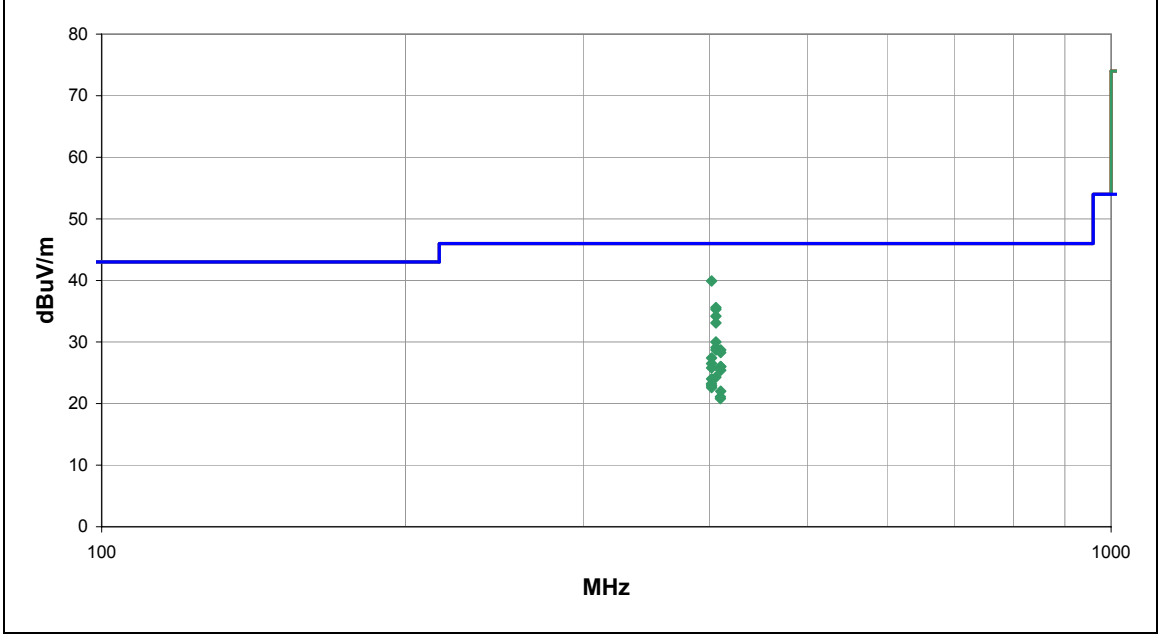
EUT OPERATING MODES
 modulated carrier

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	2

Other

Holly Ashkannejhad
 Tested By:



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
402.029	41.9	-12.0	159.0	1.0	3.0	10.0	H-Bilog	QP	0.0	39.9	46.0	-6.1	"Antenna 065349, low channel"
405.908	37.5	-11.9	137.0	1.0	3.0	10.0	H-Bilog	QP	0.0	35.6	46.0	-10.4	"Antenna 071122, mid channel"
406.027	37.2	-11.9	161.0	1.0	3.0	10.0	H-Bilog	QP	0.0	35.3	46.0	-10.7	"Antenna 065349, mid channel"
405.899	36.1	-11.9	121.0	1.0	3.0	10.0	H-Bilog	QP	0.0	34.2	46.0	-11.8	"Antenna 063365, mid channel"
405.912	35.0	-11.9	130.0	1.0	3.0	10.0	H-Bilog	QP	0.0	33.1	46.0	-12.9	"Antenna 063366, mid channel"
405.909	31.9	-11.9	77.0	2.4	3.0	10.0	V-Bilog	QP	0.0	30.0	46.0	-16.0	"Antenna 071122, mid channel"
405.908	31.0	-11.9	71.0	2.0	3.0	10.0	V-Bilog	QP	0.0	29.1	46.0	-16.9	"Antenna 063365, mid channel"
405.905	30.6	-11.9	73.0	1.6	3.0	10.0	V-Bilog	QP	0.0	28.7	46.0	-17.3	"Antenna 063366, mid channel"
410.451	30.5	-11.8	115.0	2.4	3.0	10.0	H-Bilog	QP	0.0	28.7	46.0	-17.3	"Antenna 063365, high channel"
410.432	30.1	-11.8	117.0	1.0	3.0	10.0	H-Bilog	QP	0.0	28.3	46.0	-17.7	"Antenna 071122, high channel"
402.025	29.4	-12.0	11.0	1.5	3.0	10.0	V-Bilog	QP	0.0	27.4	46.0	-18.6	"Antenna 065349, low channel"
402.039	28.5	-12.0	117.0	1.0	3.0	10.0	H-Bilog	QP	0.0	26.5	46.0	-19.5	"Antenna 063365, low channel"
410.420	27.8	-11.8	105.0	1.0	3.0	10.0	H-Bilog	QP	0.0	26.0	46.0	-20.0	"Antenna 065349, high channel"
410.459	27.8	-11.8	110.0	1.0	3.0	10.0	H-Bilog	QP	0.0	26.0	46.0	-20.0	"Antenna 063366, high channel"
402.039	27.8	-12.0	121.0	1.0	3.0	10.0	H-Bilog	QP	0.0	25.8	46.0	-20.2	"Antenna 071122, low channel"
410.449	27.2	-11.8	233.0	2.8	3.0	10.0	V-Bilog	QP	0.0	25.4	46.0	-20.6	"Antenna 071122, high channel"
406.024	26.2	-11.9	119.0	1.6	3.0	10.0	V-Bilog	QP	0.0	24.3	46.0	-21.7	"Antenna 065349, mid channel"
402.047	26.0	-12.0	103.0	1.0	3.0	10.0	H-Bilog	QP	0.0	24.0	46.0	-22.0	"Antenna 063366, low channel"
401.813	25.2	-12.0	48.0	1.6	3.0	10.0	V-Bilog	QP	0.0	23.2	46.0	-22.8	"Antenna 063366, low channel"
402.040	24.9	-12.0	28.0	2.2	3.0	10.0	V-Bilog	QP	0.0	22.9	46.0	-23.1	"Antenna 063365, low channel"
402.040	24.6	-12.0	216.0	3.1	3.0	10.0	V-Bilog	QP	0.0	22.6	46.0	-23.4	"Antenna 071122, low channel"
410.457	23.8	-11.8	66.0	1.3	3.0	10.0	V-Bilog	QP	0.0	22.0	46.0	-24.0	"Antenna 063366, high channel"
410.196	22.9	-11.8	240.0	2.5	3.0	10.0	V-Bilog	QP	0.0	21.1	46.0	-24.9	"Antenna 065349, high channel"
410.213	22.6	-11.8	81.0	1.6	3.0	10.0	V-Bilog	QP	0.0	20.8	46.0	-25.2	"Antenna 063365, high channel"

EMC OATS DATA SHEET

NORTHWEST

REV
df3.02
10/23/2002

EUT:	PC24-11-FC/R	Work Order:	INMC0055
Serial Number:	02UT34371446	Date:	12/06/02
Customer:	INTERMEC Corporation	Temperature:	75
Attendees:	None	Humidity:	29%
Cust. Ref. No.:	None	Barometric Pressure:	30.09
Tested by:	Holly Ashkannejhad	Power:	5VDC
		Job Site:	EV01

TEST SPECIFICATIONS	
Specification:	FCC Part 15.209
Method:	ANSI C63.4
Year:	2000
Year:	1992

SAMPLE CALCULATIONS
 Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation
 Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator


COMMENTS

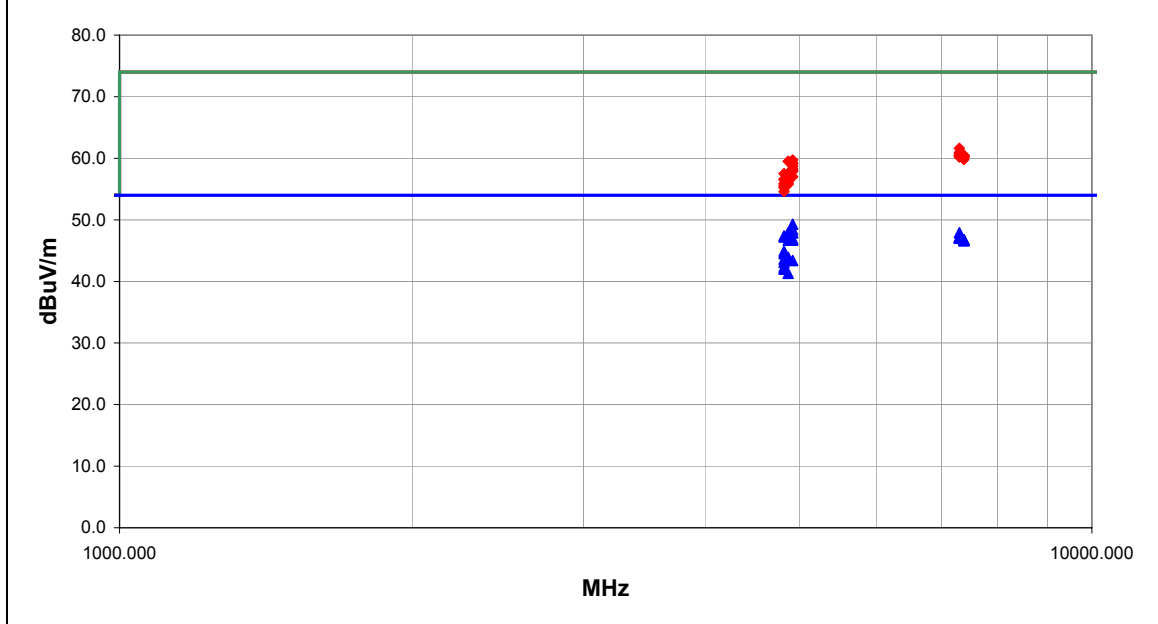
EUT OPERATING MODES
 modulated carrier

DEVIATIONS FROM TEST STANDARD
 No deviations.

RESULTS	Test Distance (m)	Run #
Pass	3	4

Other


 Tested By:



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
4924.000	31.8	7.5	145.0	1.2	3.0	10.0	V-Horn	AV	0.0	49.3	54.0	-4.7	"Antenna 063366, high channel"
4924.000	30.9	7.5	152.0	1.2	3.0	10.0	V-Horn	AV	0.0	48.4	54.0	-5.6	"Antenna 071122, high channel"
4872.000	30.7	7.2	133.0	1.3	3.0	10.0	H-Horn	AV	0.0	47.9	54.0	-6.1	"Antenna 071122, mid channel"
4924.000	30.4	7.5	144.0	1.2	3.0	10.0	V-Horn	AV	0.0	47.9	54.0	-6.1	"Antenna 063365, high channel"
4924.000	30.4	7.5	154.0	1.2	3.0	10.0	V-Horn	AV	0.0	47.9	54.0	-6.1	"Antenna 065349, high channel"
7308.000	27.4	10.5	130.0	1.2	3.0	10.0	V-Horn	AV	0.0	47.9	54.0	-6.1	"Antenna 063365, mid channel"
4872.000	30.6	7.2	151.0	1.2	3.0	10.0	V-Horn	AV	0.0	47.8	54.0	-6.2	"Antenna 063365, mid channel"
4872.000	30.5	7.2	138.0	1.2	3.0	10.0	H-Horn	AV	0.0	47.7	54.0	-6.3	"Antenna 065349, mid channel"
4872.000	30.4	7.2	158.0	1.3	3.0	10.0	V-Horn	AV	0.0	47.6	54.0	-6.4	"Antenna 071122, mid channel"
4824.000	30.3	7.1	274.0	1.1	3.0	10.0	H-Horn	AV	0.0	47.4	54.0	-6.6	"Antenna 071122, low channel"
4824.000	30.1	7.1	358.0	1.6	3.0	10.0	H-Horn	AV	0.0	47.2	54.0	-6.8	"Antenna 063366, low channel"
7308.000	26.7	10.5	128.0	1.3	3.0	10.0	H-Horn	AV	0.0	47.2	54.0	-6.8	"Antenna 063365, mid channel"
7308.000	26.7	10.5	19.0	1.3	3.0	10.0	H-Horn	AV	0.0	47.2	54.0	-6.8	"Antenna 065349, mid channel"
7308.000	26.6	10.5	320.0	1.3	3.0	10.0	H-Horn	AV	0.0	47.1	54.0	-6.9	"Antenna 063366, mid channel"
7308.000	26.6	10.5	84.0	1.6	3.0	10.0	V-Horn	AV	0.0	47.1	54.0	-6.9	"Antenna 063366, mid channel"
7308.000	26.6	10.5	274.0	2.4	3.0	10.0	H-Horn	AV	0.0	47.1	54.0	-6.9	"Antenna 071122, mid channel"
7308.000	26.6	10.5	317.0	1.2	3.0	10.0	V-Horn	AV	0.0	47.1	54.0	-6.9	"Antenna 065349, mid channel"
7308.000	26.5	10.5	238.0	3.9	3.0	10.0	V-Horn	AV	0.0	47.0	54.0	-7.0	"Antenna 063366, mid channel"
4924.000	29.4	7.5	126.0	1.3	3.0	10.0	H-Horn	AV	0.0	46.9	54.0	-7.1	"Antenna 063366, high channel"
4924.000	29.3	7.5	139.0	1.3	3.0	10.0	H-Horn	AV	0.0	46.8	54.0	-7.2	"Antenna 071122, high channel"
7386.000	26.1	10.7	356.0	2.1	3.0	10.0	H-Horn	AV	0.0	46.8	54.0	-7.2	"Antenna 063366, high channel"
7386.000	26.1	10.7	37.0	1.2	3.0	10.0	V-Horn	AV	0.0	46.8	54.0	-7.2	"Antenna 063366, high channel"
4924.000	29.2	7.5	138.0	1.3	3.0	10.0	H-Horn	AV	0.0	46.7	54.0	-7.3	"Antenna 065349, high channel"
4872.000	29.5	7.2	174.0	1.3	3.0	10.0	H-Horn	AV	0.0	46.7	54.0	-7.3	"Antenna 063365, mid channel"
7386.000	26.0	10.7	284.0	4.0	3.0	10.0	H-Horn	AV	0.0	46.7	54.0	-7.3	"Antenna 063365, high channel"

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
7386.000	26.0	10.7	282.0	1.2	3.0	10.0	V-Horn	AV	0.0	46.7	54.0	-7.3	"Antenna 063365, high channel"
7386.000	26.0	10.7	334.0	1.3	3.0	10.0	H-Horn	AV	0.0	46.7	54.0	-7.3	"Antenna 071122, high channel"
7386.000	26.0	10.7	81.0	1.3	3.0	10.0	H-Horn	AV	0.0	46.7	54.0	-7.3	"Antenna 065349, high channel"
7386.000	25.9	10.7	98.0	3.2	3.0	10.0	V-Horn	AV	0.0	46.6	54.0	-7.4	"Antenna 071122, high channel"
7386.000	25.9	10.7	306.0	3.7	3.0	10.0	V-Horn	AV	0.0	46.6	54.0	-7.4	"Antenna 065349, high channel"
4824.000	27.8	7.1	186.0	1.3	3.0	10.0	H-Horn	AV	0.0	44.9	54.0	-9.1	"Antenna 063365, low channel"
4824.000	27.4	7.1	327.0	1.2	3.0	10.0	V-Horn	AV	0.0	44.5	54.0	-9.5	"Antenna 071122, low channel"
4872.000	26.7	7.2	358.0	1.3	3.0	10.0	H-Horn	AV	0.0	43.9	54.0	-10.1	"Antenna 063366, mid channel"
4872.000	26.5	7.2	59.0	1.2	3.0	10.0	V-Horn	AV	0.0	43.7	54.0	-10.3	"Antenna 065349, mid channel"
4824.000	26.5	7.1	147.0	1.2	3.0	10.0	V-Horn	AV	0.0	43.6	54.0	-10.4	"Antenna 063366, low channel"
4924.000	25.9	7.5	357.0	1.3	3.0	10.0	H-Horn	AV	0.0	43.4	54.0	-10.6	"Antenna 063365, high channel"
4824.000	26.0	7.1	332.0	1.3	3.0	10.0	H-Horn	AV	0.0	43.1	54.0	-10.9	"Antenna 065349, low channel"
4824.000	25.2	7.1	40.0	1.2	3.0	10.0	V-Horn	AV	0.0	42.3	54.0	-11.7	"Antenna 063365, low channel"
4824.000	24.9	7.1	245.0	1.2	3.0	10.0	V-Horn	AV	0.0	42.0	54.0	-12.0	"Antenna 065349, low channel"
4872.000	24.1	7.2	11.0	1.2	3.0	10.0	V-Horn	AV	0.0	41.3	54.0	-12.7	"Antenna 063366, mid channel"
7308.000	41.1	10.5	317.0	1.2	3.0	10.0	V-Horn	PK	0.0	61.6	74.0	-12.4	"Antenna 065349, mid channel"
7308.000	40.4	10.5	238.0	3.9	3.0	10.0	V-Horn	PK	0.0	60.9	74.0	-13.1	"Antenna 071122, mid channel"
7308.000	40.3	10.5	274.0	2.4	3.0	10.0	H-Horn	PK	0.0	60.8	74.0	-13.2	"Antenna 071122, mid channel"
7308.000	40.0	10.5	19.0	1.3	3.0	10.0	H-Horn	PK	0.0	60.5	74.0	-13.5	"Antenna 065349, mid channel"
7308.000	40.0	10.5	130.0	1.2	3.0	10.0	V-Horn	PK	0.0	60.5	74.0	-13.5	"Antenna 063365, mid channel"
7386.000	39.8	10.7	282.0	1.2	3.0	10.0	V-Horn	PK	0.0	60.5	74.0	-13.5	"Antenna 063365, high channel"
7308.000	39.9	10.5	320.0	1.3	3.0	10.0	H-Horn	PK	0.0	60.4	74.0	-13.6	"Antenna 063366, mid channel"
7308.000	39.9	10.5	84.0	1.6	3.0	10.0	V-Horn	PK	0.0	60.4	74.0	-13.6	"Antenna 065349, mid channel"
7386.000	39.7	10.7	356.0	2.1	3.0	10.0	H-Horn	PK	0.0	60.4	74.0	-13.6	"Antenna 063365, high channel"
7386.000	39.7	10.7	334.0	1.3	3.0	10.0	H-Horn	PK	0.0	60.4	74.0	-13.6	"Antenna 071122, high channel"
7386.000	39.6	10.7	37.0	1.2	3.0	10.0	V-Horn	PK	0.0	60.3	74.0	-13.7	"Antenna 063366, high channel"
7386.000	39.6	10.7	284.0	4.0	3.0	10.0	H-Horn	PK	0.0	60.3	74.0	-13.7	"Antenna 063365, high channel"
7308.000	39.7	10.5	128.0	1.3	3.0	10.0	H-Horn	PK	0.0	60.2	74.0	-13.8	"Antenna 065349, mid channel"
7386.000	39.5	10.7	98.0	3.2	3.0	10.0	V-Horn	PK	0.0	60.2	74.0	-13.8	"Antenna 071122, high channel"
7386.000	39.5	10.7	306.0	3.7	3.0	10.0	V-Horn	PK	0.0	60.2	74.0	-13.8	"Antenna 065349, high channel"
7386.000	39.1	10.7	81.0	1.3	3.0	10.0	H-Horn	PK	0.0	59.8	74.0	-14.2	"Antenna 065349, high channel"
4924.000	42.2	7.5	152.0	1.2	3.0	10.0	V-Horn	PK	0.0	59.7	74.0	-14.3	"Antenna 071122, high channel"
4872.000	42.3	7.2	358.0	1.3	3.0	10.0	H-Horn	PK	0.0	59.5	74.0	-14.5	"Antenna 063366, mid channel"
4924.000	41.7	7.5	154.0	1.2	3.0	10.0	V-Horn	PK	0.0	59.2	74.0	-14.8	"Antenna 065349, high channel"
4924.000	41.6	7.5	144.0	1.2	3.0	10.0	V-Horn	PK	0.0	59.1	74.0	-14.9	"Antenna 063365, high channel"
4924.000	41.2	7.5	139.0	1.3	3.0	10.0	H-Horn	PK	0.0	58.7	74.0	-15.3	"Antenna 071122, high channel"
4924.000	40.8	7.5	145.0	1.2	3.0	10.0	V-Horn	PK	0.0	58.3	74.0	-15.7	"Antenna 063366, high channel"
4924.000	40.5	7.5	138.0	1.3	3.0	10.0	H-Horn	PK	0.0	58.0	74.0	-16.0	"Antenna 065349, high channel"
4924.000	40.4	7.5	126.0	1.3	3.0	10.0	H-Horn	PK	0.0	57.9	74.0	-16.1	"Antenna 063366, high channel"
4824.000	40.4	7.1	358.0	1.6	3.0	10.0	H-Horn	PK	0.0	57.5	74.0	-16.5	"Antenna 063366, low channel"
4872.000	40.3	7.2	138.0	1.2	3.0	10.0	H-Horn	PK	0.0	57.5	74.0	-16.5	"Antenna 065349, mid channel"
4872.000	40.3	7.2	11.0	1.2	3.0	10.0	V-Horn	PK	0.0	57.5	74.0	-16.5	"Antenna 063366, mid channel"
4924.000	39.5	7.5	357.0	1.3	3.0	10.0	H-Horn	PK	0.0	57.0	74.0	-17.0	"Antenna 063365, high channel"
4872.000	39.6	7.2	151.0	1.2	3.0	10.0	V-Horn	PK	0.0	56.8	74.0	-17.2	"Antenna 063365, mid channel"
4824.000	39.5	7.1	332.0	1.3	3.0	10.0	H-Horn	PK	0.0	56.6	74.0	-17.4	"Antenna 065349, low channel"
4824.000	39.4	7.1	274.0	1.1	3.0	10.0	H-Horn	PK	0.0	56.5	74.0	-17.5	"Antenna 071122, low channel"
4872.000	39.3	7.2	133.0	1.3	3.0	10.0	H-Horn	PK	0.0	56.5	74.0	-17.5	"Antenna 071122, mid channel"
4872.000	39.0	7.2	59.0	1.2	3.0	10.0	V-Horn	PK	0.0	56.2	74.0	-17.8	"Antenna 065349, mid channel"
4824.000	38.8	7.1	40.0	1.2	3.0	10.0	V-Horn	PK	0.0	55.9	74.0	-18.1	"Antenna 063365, low channel"
4872.000	38.6	7.2	174.0	1.3	3.0	10.0	H-Horn	PK	0.0	55.8	74.0	-18.2	"Antenna 063365, mid channel"
4872.000	38.6	7.2	158.0	1.3	3.0	10.0	V-Horn	PK	0.0	55.8	74.0	-18.2	"Antenna 071122, mid channel"
4824.000	38.5	7.1	147.0	1.2	3.0	10.0	V-Horn	PK	0.0	55.6	74.0	-18.4	"Antenna 063366, low channel"
4824.000	38.2	7.1	186.0	1.3	3.0	10.0	H-Horn	PK	0.0	55.3	74.0	-18.7	"Antenna 063365, low channel"
4824.000	38.2	7.1	245.0	1.2	3.0	10.0	V-Horn	PK	0.0	55.3	74.0	-18.7	"Antenna 065349, low channel"
4824.000	37.5	7.1	327.0	1.2	3.0	10.0	V-Horn	PK	0.0	54.6	74.0	-19.4	"Antenna 071122, low channel"