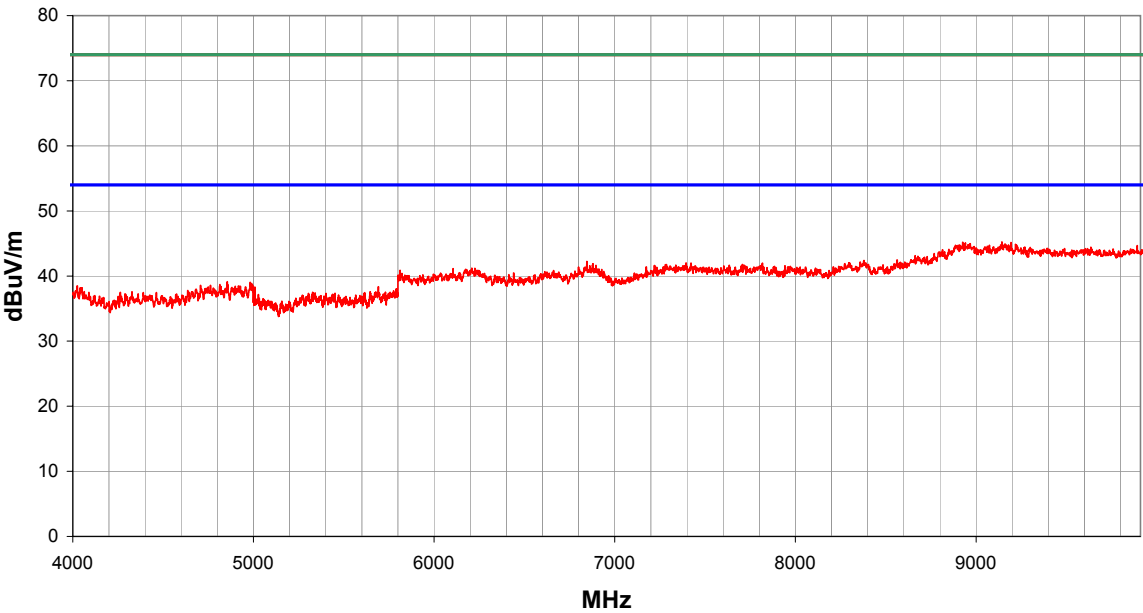


Exhibit Q: Spur. Radiated Emissions Revised 10-21-02 P2

FCC ID: HN2MPCI3A-20

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20										Work Order: INMC0023											
Serial Number: none										Date: 08/09/02											
Customer: Intermec Corporation										Temperature: 77											
Attendees: None										Humidity: 45%											
Cust. Ref. No.:										Barometric Pressure: 30.15											
Tested by: Rod Peloquin										Power: DC from E-net										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC Part 15.209(a)										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																					
low channel, yagi antenna																					
EUT OPERATING MODES																					
Transmitting radio b																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS																					
										Test Distance (m)				Run #							
Evaluation										3				76							
Other																					
Tested By: _____																					
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
8971.047	29.4	31.0	0.0	40.3	6.4	0.0	H		0.0	45.1	74.0	-28.9									
9161.277	29.5	30.9	0.0	39.9	6.5	0.0	H		0.0	45.0	74.0	-29.0									
9162.787	29.5	30.9	0.0	39.9	6.5	0.0	V		0.0	45.0	74.0	-29.0									
9366.605	29.8	30.9	0.0	39.4	6.5	0.0	H		0.0	44.8	74.0	-29.2									
8385.965	30.2	32.0	0.0	38.0	6.2	0.0	H		0.0	42.4	74.0	-31.6									
8313.496	30.4	32.1	0.0	38.0	6.2	0.0	H		0.0	42.4	74.0	-31.6									
8392.004	30.1	32.0	0.0	38.0	6.2	0.0	V		0.0	42.3	74.0	-31.7									
7700.531	31.0	32.8	0.0	37.9	6.0	0.0	V		0.0	42.1	74.0	-31.9									
7981.348	30.8	32.7	0.0	37.7	6.1	0.0	V		0.0	41.9	74.0	-32.1									
7389.520	31.1	32.9	0.0	37.8	5.9	0.0	H		0.0	41.9	74.0	-32.1									
8008.523	30.6	32.7	0.0	37.7	6.1	0.0	H		0.0	41.7	74.0	-32.3									
6881.705	32.0	33.0	0.0	37.0	5.8	0.0	V		0.0	41.7	74.0	-32.3									
6874.445	31.8	33.0	0.0	37.0	5.7	0.0	H		0.0	41.5	74.0	-32.5									
7199.289	31.1	33.0	0.0	37.5	5.9	0.0	H		0.0	41.5	74.0	-32.5									
6244.056	31.6	32.6	0.0	36.6	5.5	0.0	H		0.0	41.1	74.0	-32.9									
6208.967	31.5	32.6	0.0	36.6	5.5	0.0	V		0.0	41.0	74.0	-33.0									
4876.500	31.6	32.0	0.0	35.0	4.4	0.0	V		0.0	39.0	74.0	-35.0									
4742.201	32.1	32.0	0.0	34.6	4.3	0.0	V		0.0	39.0	74.0	-35.0									
4982.525	31.1	31.9	0.0	35.3	4.5	0.0	H		0.0	38.9	74.0	-35.1									
5007.770	30.9	31.9	0.0	35.3	4.5	0.0	V		0.0	38.8	74.0	-35.2									
4782.592	31.7	32.0	0.0	34.7	4.4	0.0	H		0.0	38.8	74.0	-35.2									

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20										Work Order: INMC0023											
Serial Number: none										Date: 08/09/02											
Customer: Intermec Corporation										Temperature: 77											
Attendees: None										Humidity: 45%											
Cust. Ref. No.:										Barometric Pressure: 30.15											
Tested by: Rod Peloquin										Power: DC from E-net										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC Part 15.209(a)										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																					
mid channel, yagi antenna																					
EUT OPERATING MODES																					
Transmitting radio b																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)				Run #							
Evaluation										3				77							
Other																					
										Tested By: _____											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
8961.988	29.3	31.0	0.0	40.2	6.4	0.0	V		0.0	44.9	74.0	-29.1									
9152.219	29.4	30.9	0.0	40.0	6.5	0.0	H		0.0	44.9	74.0	-29.1									
9753.105	30.1	30.9	0.0	38.9	6.7	0.0	H		0.0	44.9	74.0	-29.1									
8385.965	30.3	32.0	0.0	38.0	6.2	0.0	V		0.0	42.5	74.0	-31.5									
7371.402	31.5	33.0	0.0	37.8	5.9	0.0	H		0.0	42.3	74.0	-31.7									
8382.945	30.0	32.0	0.0	38.0	6.2	0.0	H		0.0	42.2	74.0	-31.8									
7806.215	30.9	32.8	0.0	37.8	6.0	0.0	H		0.0	42.0	74.0	-32.0									
7356.305	31.2	33.0	0.0	37.8	5.9	0.0	V		0.0	41.9	74.0	-32.1									
8002.484	30.6	32.7	0.0	37.7	6.1	0.0	V		0.0	41.7	74.0	-32.3									
6876.865	31.9	33.0	0.0	37.0	5.8	0.0	H		0.0	41.6	74.0	-32.4									
6876.865	31.8	33.0	0.0	37.0	5.8	0.0	V		0.0	41.5	74.0	-32.5									
6169.038	31.6	32.6	0.0	36.7	5.5	0.0	V		0.0	41.2	74.0	-32.8									
6245.266	31.7	32.6	0.0	36.6	5.5	0.0	H		0.0	41.2	74.0	-32.8									
6620.354	31.5	32.9	0.0	36.5	5.6	0.0	V		0.0	40.8	74.0	-33.2									
6634.873	31.4	32.9	0.0	36.5	5.7	0.0	H		0.0	40.7	74.0	-33.3									
5858.078	31.1	32.4	0.0	36.7	5.3	0.0	H		0.0	40.7	74.0	-33.3									
6380.781	31.0	32.7	0.0	36.4	5.6	0.0	H		0.0	40.3	74.0	-33.7									
5007.770	30.9	31.9	0.0	35.3	4.5	0.0	V		0.0	38.8	74.0	-35.2									
4960.311	31.0	31.9	0.0	35.2	4.5	0.0	V		0.0	38.7	74.0	-35.3									
4784.611	31.4	32.0	0.0	34.7	4.4	0.0	V		0.0	38.5	74.0	-35.5									
4985.555	30.6	31.9	0.0	35.3	4.5	0.0	V		0.0	38.4	74.0	-35.6									

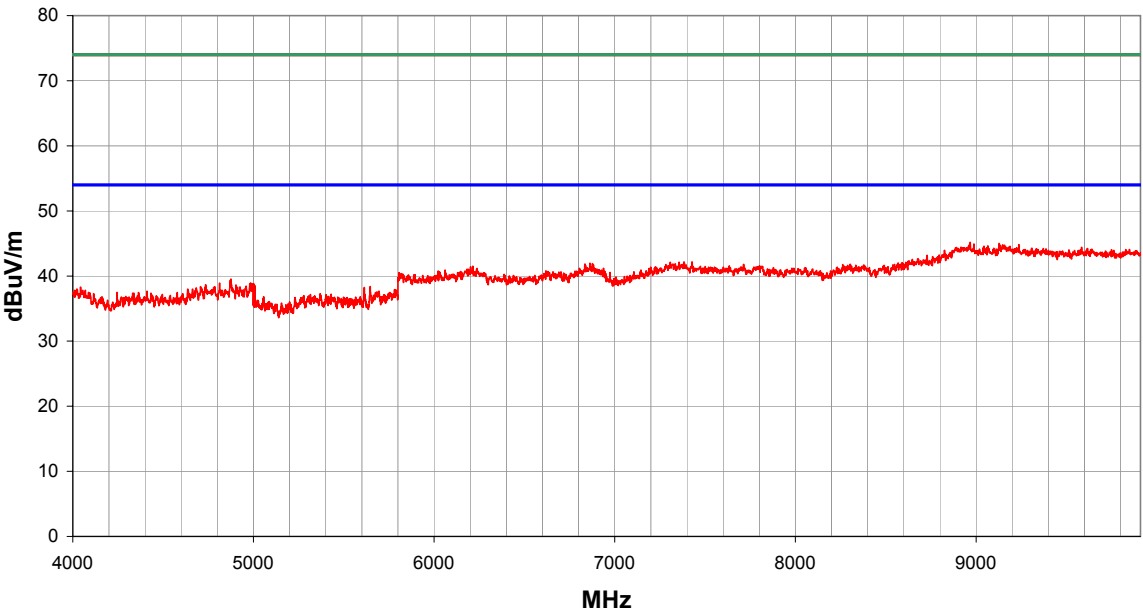
NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EMC													
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/09/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: None		Humidity: 45%											
Cust. Ref. No.:		Barometric Pressure: 30.15											
Tested by: Rod Peloquin		Power: DC from E-net										Job Site: EV01	
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)										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													
high channel, yagi antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
										Test Distance (m)		Run #	
Evaluation										3		78	
Other													
Tested By: _____													
													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
9143.160	29.7	30.9	0.0	40.0	6.5	0.0	V		0.0	45.3	74.0	-28.7	
8925.754	29.8	31.0	0.0	40.1	6.4	0.0	H		0.0	45.2	74.0	-28.8	
8940.852	29.6	31.0	0.0	40.1	6.4	0.0	V		0.0	45.1	74.0	-28.9	
9892.004	29.9	30.9	0.0	38.9	6.8	0.0	H		0.0	44.7	74.0	-29.3	
8379.926	30.2	32.0	0.0	38.0	6.2	0.0	V		0.0	42.4	74.0	-31.6	
6845.406	32.6	33.0	0.0	36.9	5.7	0.0	H		0.0	42.3	74.0	-31.7	
8376.906	30.0	32.0	0.0	38.0	6.2	0.0	H		0.0	42.2	74.0	-31.8	
7395.559	31.2	32.9	0.0	37.8	5.9	0.0	V		0.0	42.0	74.0	-32.0	
7818.293	30.9	32.8	0.0	37.8	6.0	0.0	V		0.0	42.0	74.0	-32.0	
7422.734	31.1	32.9	0.0	37.9	5.9	0.0	H		0.0	42.0	74.0	-32.0	
6879.285	32.2	33.0	0.0	37.0	5.8	0.0	V		0.0	41.9	74.0	-32.1	
7815.273	30.7	32.8	0.0	37.8	6.0	0.0	H		0.0	41.8	74.0	-32.2	
7942.094	30.5	32.7	0.0	37.7	6.1	0.0	V		0.0	41.6	74.0	-32.4	
6208.967	31.7	32.6	0.0	36.6	5.5	0.0	V		0.0	41.2	74.0	-32.8	
6104.910	31.5	32.6	0.0	36.8	5.4	0.0	V		0.0	41.2	74.0	-32.8	
6175.088	31.5	32.6	0.0	36.7	5.5	0.0	H		0.0	41.1	74.0	-32.9	
5812.100	31.4	32.4	0.0	36.6	5.2	0.0	V		0.0	40.9	74.0	-33.1	
6661.492	31.5	32.9	0.0	36.6	5.7	0.0	H		0.0	40.9	74.0	-33.1	
6440.069	31.3	32.8	0.0	36.4	5.6	0.0	V		0.0	40.5	74.0	-33.5	
4855.295	31.8	32.0	0.0	34.9	4.4	0.0	V		0.0	39.1	74.0	-34.9	
4982.525	31.2	31.9	0.0	35.3	4.5	0.0	V		0.0	39.0	74.0	-35.0	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/09/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: None		Humidity: 45%											
Cust. Ref. No.:		Barometric Pressure: 30.15											
Tested by: Rod Peloquin		Power: DC from E-net		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
high channel, yagi antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
												Test Distance (m)	Run #
Evaluation												1	79
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2465.129	64.0	0.0	0.0	30.6	2.6	0.0	H		0.0	97.2	83.5	13.7	
2463.599	61.6	0.0	0.0	30.6	2.6	0.0	V		0.0	94.8	83.5	11.3	
2449.319	25.0	0.0	0.0	30.5	2.6	0.0	H		0.0	58.1	83.5	-25.4	
4007.970	19.1	0.0	0.0	34.5	3.9	0.0	V		0.0	57.5	83.5	-26.0	
3949.319	19.2	0.0	0.0	34.3	3.9	0.0	H		0.0	57.4	83.5	-26.1	
2001.340	20.4	0.0	0.0	29.1	2.5	0.0	H		0.0	52.0	83.5	-31.5	
1994.709	20.4	0.0	0.0	29.1	2.5	0.0	V		0.0	52.0	83.5	-31.5	
1989.609	20.2	0.0	0.0	29.0	2.5	0.0	H		0.0	51.7	83.5	-31.8	
2001.340	20.1	0.0	0.0	29.1	2.5	0.0	V		0.0	51.7	83.5	-31.8	
2007.460	20.0	0.0	0.0	29.1	2.5	0.0	H		0.0	51.6	83.5	-31.9	
1151.983	23.0	0.0	0.0	25.4	2.1	0.0	V		0.0	50.5	83.5	-33.0	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/09/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: None		Humidity: 45%											
Cust. Ref. No.:		Barometric Pressure: 30.15											
Tested by: Rod Peloquin		Power: DC from E-net		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
mid channel, yagi antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
												Test Distance (m)	Run #
Evaluation												1	80
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2437.588	62.7	0.0	0.0	30.5	2.6	0.0	H		0.0	95.8	83.5	12.3	
2438.098	57.2	0.0	0.0	30.5	2.6	0.0	V		0.0	90.3	83.5	6.8	
3987.569	19.3	0.0	0.0	34.5	3.9	0.0	V		0.0	57.7	83.5	-25.8	
4003.380	19.2	0.0	0.0	34.5	3.9	0.0	H		0.0	57.6	83.5	-25.9	
1988.589	20.5	0.0	0.0	29.0	2.5	0.0	V		0.0	52.0	83.5	-31.5	
1992.159	20.4	0.0	0.0	29.1	2.5	0.0	H		0.0	52.0	83.5	-31.5	
2008.480	20.3	0.0	0.0	29.1	2.5	0.0	H		0.0	51.9	83.5	-31.6	
2008.480	20.3	0.0	0.0	29.1	2.5	0.0	V		0.0	51.9	83.5	-31.6	
2005.420	20.3	0.0	0.0	29.1	2.5	0.0	V		0.0	51.9	83.5	-31.6	
2003.380	20.3	0.0	0.0	29.1	2.5	0.0	H		0.0	51.9	83.5	-31.6	
2005.420	20.2	0.0	0.0	29.1	2.5	0.0	H		0.0	51.8	83.5	-31.7	
2000.830	20.1	0.0	0.0	29.1	2.5	0.0	V		0.0	51.7	83.5	-31.8	
1151.983	22.8	0.0	0.0	25.4	2.1	0.0	V		0.0	50.3	83.5	-33.2	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/09/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: None		Humidity: 45%											
Cust. Ref. No.:		Barometric Pressure: 30.15											
Tested by: Rod Peloquin		Power: DC from E-net		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
low channel, yagi antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
												Test Distance (m)	Run #
Evaluation												1	81
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2411.578	62.0	0.0	0.0	30.4	2.6	0.0	H		0.0	95.0	83.5	11.5	
2412.088	57.7	0.0	0.0	30.4	2.6	0.0	V		0.0	90.7	83.5	7.2	
2399.338	25.1	0.0	0.0	30.4	2.6	0.0	H		0.0	58.1	83.5	-25.4	
3975.329	19.2	0.0	0.0	34.4	3.9	0.0	H		0.0	57.5	83.5	-26.0	
3982.469	19.1	0.0	0.0	34.4	3.9	0.0	V		0.0	57.4	83.5	-26.1	
2003.380	20.3	0.0	0.0	29.1	2.5	0.0	V		0.0	51.9	83.5	-31.6	
1987.059	20.3	0.0	0.0	29.0	2.5	0.0	H		0.0	51.8	83.5	-31.7	
2005.420	20.1	0.0	0.0	29.1	2.5	0.0	V		0.0	51.7	83.5	-31.8	
2003.380	20.1	0.0	0.0	29.1	2.5	0.0	H		0.0	51.7	83.5	-31.8	
2006.950	20.0	0.0	0.0	29.1	2.5	0.0	H		0.0	51.6	83.5	-31.9	
1151.983	23.2	0.0	0.0	25.4	2.1	0.0	V		0.0	50.7	83.5	-32.8	

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20										Work Order: INMC0023											
Serial Number: none										Date: 08/11/02											
Customer: Intermec Corporation										Temperature: 77											
Attendees: None										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.26											
Tested by: Greg Kiemel										Power: 120 V, 60 Hz										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC Part 15.247 Class B										Year: 2001											
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																					
High Channel, flat panel antenna																					
EUT OPERATING MODES																					
Transmitting radio b																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS																					
										Test Distance (m)				Run #							
Evaluation										3				86							
Other																					
Tested By: _____																					
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
8946.891	29.7	31.0	0.0	40.2	6.4	0.0	H		0.0	45.2	74.0	-28.8									
8980.105	29.1	30.9	0.0	40.3	6.4	0.0	V		0.0	44.9	74.0	-29.1									
9614.207	29.8	30.9	0.0	39.0	6.6	0.0	H		0.0	44.5	74.0	-29.5									
8578.508	29.6	31.7	0.0	38.5	6.3	0.0	V		0.0	42.7	74.0	-31.3									
8376.906	30.0	32.0	0.0	38.0	6.2	0.0	H		0.0	42.2	74.0	-31.8									
6879.285	32.4	33.0	0.0	37.0	5.8	0.0	V		0.0	42.1	74.0	-31.9									
7350.266	31.3	33.0	0.0	37.8	5.9	0.0	V		0.0	42.0	74.0	-32.0									
6835.727	32.3	33.0	0.0	36.9	5.7	0.0	H		0.0	41.9	74.0	-32.1									
8355.770	29.8	32.1	0.0	38.0	6.2	0.0	V		0.0	41.9	74.0	-32.1									
4925.979	34.3	31.9	0.0	35.1	4.5	0.0	V		0.0	41.9	74.0	-32.1									
4925.979	34.2	31.9	0.0	35.1	4.5	0.0	H		0.0	41.8	74.0	-32.2									
7353.285	31.0	33.0	0.0	37.8	5.9	0.0	H		0.0	41.7	74.0	-32.3									
6170.248	31.7	32.6	0.0	36.7	5.5	0.0	H		0.0	41.3	74.0	-32.7									
6194.447	31.6	32.6	0.0	36.7	5.5	0.0	V		0.0	41.1	74.0	-32.9									
6678.432	31.4	32.9	0.0	36.6	5.7	0.0	H		0.0	40.8	74.0	-33.2									
5925.836	30.8	32.5	0.0	36.8	5.3	0.0	H		0.0	40.5	74.0	-33.5									
4812.885	32.3	32.0	0.0	34.8	4.4	0.0	V		0.0	39.5	74.0	-34.5									
4768.455	32.0	32.0	0.0	34.7	4.4	0.0	V		0.0	39.0	74.0	-35.0									
4715.947	31.8	32.0	0.0	34.5	4.3	0.0	V		0.0	38.6	74.0	-35.4									
4990.604	30.7	31.9	0.0	35.3	4.5	0.0	H		0.0	38.6	74.0	-35.4									
4642.234	31.9	32.1	0.0	34.3	4.3	0.0	V		0.0	38.4	74.0	-35.6									

NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002			
EMC															
EUT: MPC13A-20		Work Order: INMC0023													
Serial Number: none		Date: 08/11/02													
Customer: Intermec Corporation		Temperature: 77													
Attendees: None		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.26													
Tested by: Greg Kiemel		Power: 120 V, 60 Hz										Job Site: EV01			
TEST SPECIFICATIONS															
Specification: FCC Part 15.247 Class B												Year: 2001			
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															
Mid Channel, flat panel antenna															
EUT OPERATING MODES															
Transmitting radio b															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS															
												Test Distance (m)		Run #	
Evaluation												3		87	
Other															
Tested By: _____															
															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
8968.027	29.5	31.0	0.0	40.3	6.4	0.0	H		0.0	45.2	74.0	-28.8			
9128.063	29.4	30.9	0.0	40.0	6.5	0.0	H		0.0	45.0	74.0	-29.0			
8987.654	29.1	30.9	0.0	40.3	6.4	0.0	V		0.0	44.9	74.0	-29.1			
9236.766	29.5	30.9	0.0	39.7	6.5	0.0	V		0.0	44.8	74.0	-29.2			
9584.012	29.7	30.9	0.0	39.0	6.6	0.0	H		0.0	44.4	74.0	-29.6			
7428.773	31.3	32.9	0.0	37.9	5.9	0.0	V		0.0	42.2	74.0	-31.8			
7383.480	31.4	32.9	0.0	37.8	5.9	0.0	H		0.0	42.2	74.0	-31.8			
6862.346	32.3	33.0	0.0	37.0	5.7	0.0	H		0.0	42.0	74.0	-32.0			
6876.865	32.2	33.0	0.0	37.0	5.8	0.0	V		0.0	41.9	74.0	-32.1			
8304.438	29.8	32.2	0.0	37.9	6.2	0.0	H		0.0	41.8	74.0	-32.2			
8301.418	29.8	32.2	0.0	37.9	6.2	0.0	V		0.0	41.8	74.0	-32.2			
6213.807	32.0	32.6	0.0	36.6	5.5	0.0	V		0.0	41.5	74.0	-32.5			
6201.707	31.9	32.6	0.0	36.7	5.5	0.0	H		0.0	41.4	74.0	-32.6			
6619.144	31.5	32.9	0.0	36.5	5.6	0.0	V		0.0	40.8	74.0	-33.2			
4875.490	32.1	32.0	0.0	35.0	4.4	0.0	V		0.0	39.5	74.0	-34.5			
4875.490	31.7	32.0	0.0	35.0	4.4	0.0	H		0.0	39.1	74.0	-34.9			
4984.545	31.1	31.9	0.0	35.3	4.5	0.0	V		0.0	38.9	74.0	-35.1			
4812.885	31.7	32.0	0.0	34.8	4.4	0.0	V		0.0	38.9	74.0	-35.1			
5000.701	30.9	31.9	0.0	35.3	4.5	0.0	V		0.0	38.8	74.0	-35.2			
4736.143	31.8	32.0	0.0	34.6	4.3	0.0	H		0.0	38.7	74.0	-35.3			
5006.760	30.6	31.9	0.0	35.3	4.5	0.0	V		0.0	38.5	74.0	-35.5			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20										Work Order: INMC0023											
Serial Number: none										Date: 08/11/02											
Customer: Intermec Corporation										Temperature: 77											
Attendees: None										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.26											
Tested by: Greg Kiemel										Power: 120 V, 60 Hz										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC Part 15.247 Class B										Year: 2001											
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																					
Low Channel, flat panel antenna																					
EUT OPERATING MODES																					
Transmitting radio b																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)				Run #							
Evaluation										3				88							
Other																					
										Tested By: _____											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
9149.199	29.7	30.9	0.0	40.0	6.5	0.0	V		0.0	45.2	74.0	-28.8									
8931.793	29.5	31.0	0.0	40.1	6.4	0.0	V		0.0	44.9	74.0	-29.1									
9126.553	29.2	30.9	0.0	40.0	6.5	0.0	H		0.0	44.8	74.0	-29.2									
8643.428	29.9	31.5	0.0	38.8	6.3	0.0	V		0.0	43.4	74.0	-30.6									
7229.484	32.0	33.0	0.0	37.6	5.9	0.0	H		0.0	42.4	74.0	-31.6									
7700.531	31.3	32.8	0.0	37.9	6.0	0.0	V		0.0	42.4	74.0	-31.6									
6845.406	32.3	33.0	0.0	36.9	5.7	0.0	H		0.0	42.0	74.0	-32.0									
8286.320	29.9	32.2	0.0	37.9	6.2	0.0	H		0.0	41.8	74.0	-32.2									
8050.797	30.5	32.6	0.0	37.7	6.1	0.0	H		0.0	41.7	74.0	-32.3									
6881.705	31.9	33.0	0.0	37.0	5.8	0.0	V		0.0	41.6	74.0	-32.4									
7987.387	30.5	32.7	0.0	37.7	6.1	0.0	V		0.0	41.6	74.0	-32.4									
6208.967	31.8	32.6	0.0	36.6	5.5	0.0	V		0.0	41.3	74.0	-32.7									
6224.696	31.7	32.6	0.0	36.6	5.5	0.0	H		0.0	41.2	74.0	-32.8									
6620.354	31.8	32.9	0.0	36.5	5.6	0.0	H		0.0	41.1	74.0	-32.9									
5808.438	31.4	32.4	0.0	36.6	5.2	0.0	H		0.0	40.9	74.0	-33.1									
5850.818	31.0	32.4	0.0	36.7	5.3	0.0	V		0.0	40.5	74.0	-33.5									
4825.002	32.6	32.0	0.0	34.8	4.4	0.0	H		0.0	39.8	74.0	-34.2									
4982.525	31.6	31.9	0.0	35.3	4.5	0.0	H		0.0	39.4	74.0	-34.6									
4992.623	31.4	31.9	0.0	35.3	4.5	0.0	V		0.0	39.3	74.0	-34.7									
4711.908	32.4	32.0	0.0	34.5	4.3	0.0	V		0.0	39.2	74.0	-34.8									
4958.291	31.4	31.9	0.0	35.2	4.5	0.0	H		0.0	39.1	74.0	-34.9									

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002			
EUT: MPC13A-20		Work Order: INMC0023													
Serial Number: none		Date: 08/11/02													
Customer: Intermec Corporation		Temperature: 77													
Attendees: None		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.26										Job Site: EV01			
Tested by: Greg Kiemel		Power: 120 V, 60 Hz													
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
High Channel, flat panel antenna															
EUT OPERATING MODES															
Transmitting radio b															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS															
												Test Distance (m)		Run #	
Evaluation												1		89	
Other															
Tested By: _____															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2462.069	84.9	0.0	0.0	30.6	2.6	0.0	V		0.0	118.1	83.5	34.6			
2463.089	67.2	0.0	0.0	30.6	2.6	0.0	H		0.0	100.4	83.5	16.9			
2449.829	45.3	0.0	0.0	30.5	2.6	0.0	V		0.0	78.4	83.5	-5.1			
2449.319	28.1	0.0	0.0	30.5	2.6	0.0	H		0.0	61.2	83.5	-22.3			
3961.559	19.3	0.0	0.0	34.4	3.9	0.0	H		0.0	57.6	83.5	-25.9			
4002.360	19.0	0.0	0.0	34.5	3.9	0.0	V		0.0	57.4	83.5	-26.1			
1882.507	22.7	0.0	0.0	28.5	2.4	0.0	V		0.0	53.6	83.5	-29.9			
2007.970	20.6	0.0	0.0	29.1	2.5	0.0	H		0.0	52.2	83.5	-31.3			
1996.750	20.5	0.0	0.0	29.1	2.5	0.0	H		0.0	52.1	83.5	-31.4			
2005.420	20.1	0.0	0.0	29.1	2.5	0.0	V		0.0	51.7	83.5	-31.8			

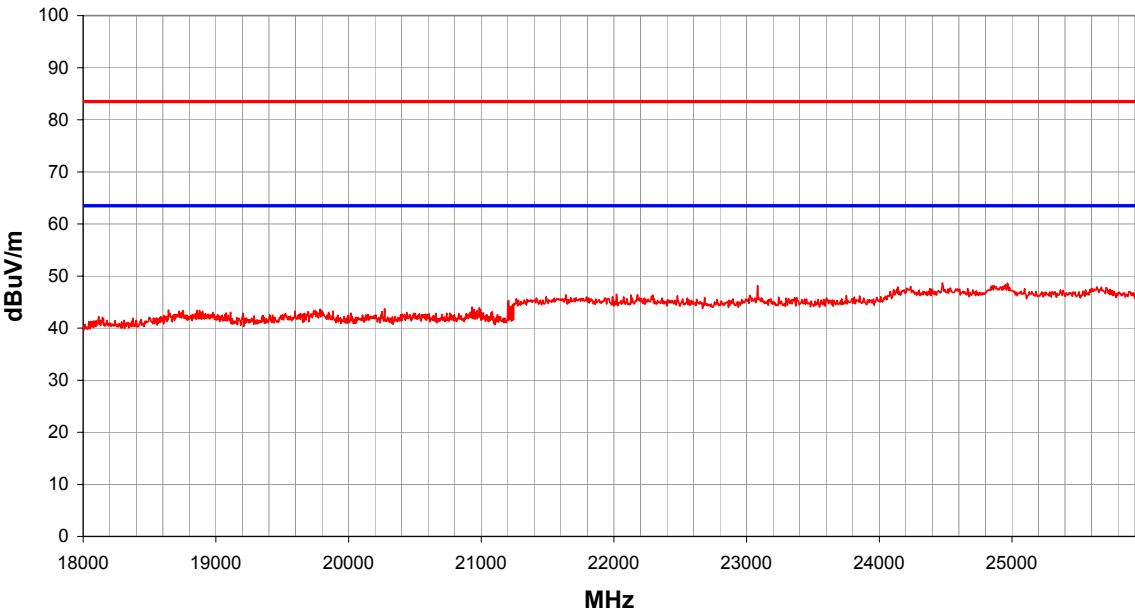
NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/11/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: None		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.26											
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC 15.209		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
Mid Channel, flat panel antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
												Test Distance (m)	Run #
Evaluation												1	90
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2437.078	84.4	0.0	0.0	30.5	2.6	0.0	V		0.0	117.5	83.5	34.0	
2436.568	67.6	0.0	0.0	30.5	2.6	0.0	H		0.0	100.7	83.5	17.2	
2424.328	44.9	0.0	0.0	30.5	2.6	0.0	V		0.0	77.9	83.5	-5.6	
2424.838	28.3	0.0	0.0	30.5	2.6	0.0	H		0.0	61.3	83.5	-22.2	
3980.429	19.2	0.0	0.0	34.4	3.9	0.0	V		0.0	57.5	83.5	-26.0	
3962.579	19.2	0.0	0.0	34.4	3.9	0.0	H		0.0	57.5	83.5	-26.0	
1845.787	22.6	0.0	0.0	28.3	2.4	0.0	V		0.0	53.3	83.5	-30.2	
2005.420	20.5	0.0	0.0	29.1	2.5	0.0	H		0.0	52.1	83.5	-31.4	
2001.340	20.4	0.0	0.0	29.1	2.5	0.0	H		0.0	52.0	83.5	-31.5	
1989.099	20.4	0.0	0.0	29.0	2.5	0.0	H		0.0	51.9	83.5	-31.6	
2005.420	20.3	0.0	0.0	29.1	2.5	0.0	V		0.0	51.9	83.5	-31.6	
2003.890	20.3	0.0	0.0	29.1	2.5	0.0	V		0.0	51.9	83.5	-31.6	
2003.380	20.3	0.0	0.0	29.1	2.5	0.0	H		0.0	51.9	83.5	-31.6	
2007.970	20.2	0.0	0.0	29.1	2.5	0.0	H		0.0	51.8	83.5	-31.7	
2000.830	20.2	0.0	0.0	29.1	2.5	0.0	V		0.0	51.8	83.5	-31.7	
2008.990	20.1	0.0	0.0	29.1	2.5	0.0	H		0.0	51.7	83.5	-31.8	
2008.990	20.0	0.0	0.0	29.1	2.5	0.0	V		0.0	51.6	83.5	-31.9	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.05 07/31/2002	
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/11/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: None		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.26											
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC 15.209		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
Low Channel, flat panel antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
												Test Distance (m)	Run #
Evaluation												1	91
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2412.088	84.1	0.0	0.0	30.4	2.6	0.0	V		0.0	117.1	83.5	33.6	
2413.108	67.2	0.0	0.0	30.4	2.6	0.0	H		0.0	100.2	83.5	16.7	
2399.338	43.1	0.0	0.0	30.4	2.6	0.0	V		0.0	76.1	83.5	-7.4	
3992.159	19.4	0.0	0.0	34.5	3.9	0.0	V		0.0	57.8	83.5	-25.7	
3971.759	19.2	0.0	0.0	34.4	3.9	0.0	H		0.0	57.5	83.5	-26.0	
1808.046	22.1	0.0	0.0	28.1	2.3	0.0	V		0.0	52.6	83.5	-30.9	
1987.059	20.5	0.0	0.0	29.0	2.5	0.0	V		0.0	52.0	83.5	-31.5	
1999.300	20.3	0.0	0.0	29.1	2.5	0.0	H		0.0	51.9	83.5	-31.6	
2007.970	20.2	0.0	0.0	29.1	2.5	0.0	V		0.0	51.8	83.5	-31.7	
2006.950	20.1	0.0	0.0	29.1	2.5	0.0	H		0.0	51.7	83.5	-31.8	

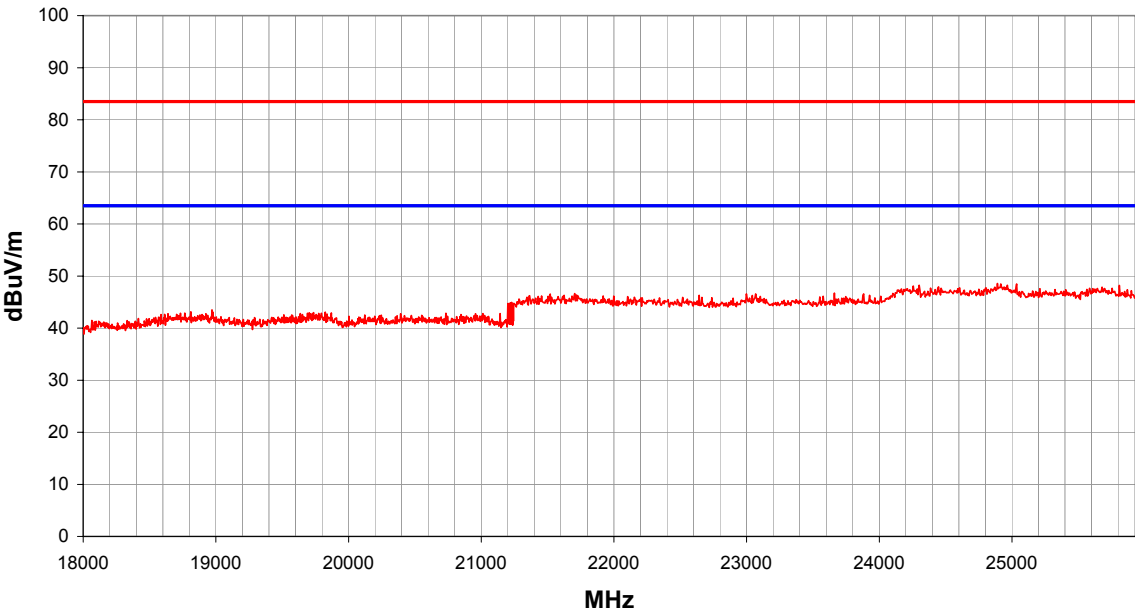
NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV d12.03 07/10/2002	
EUT: MPC13A-20										Work Order: INMC0023											
Serial Number: none										Date: 08/11/02											
Customer: Intermec Corporation										Temperature: 77											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.26											
Tested by: Greg Kiemel										Power: 120 V, 60 Hz										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Low Channel, flat panel antenna																					
EUT OPERATING MODES																					
Transmitting radio b																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)				Run #							
Evaluation										1				92							
Other																					
										Tested By: _____											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
17514.170	31.7	34.7	0.0	44.2	6.0	0.0	V		0.0	47.3	83.5	-36.2									
17891.680	30.9	34.8	0.0	44.7	6.1	0.0	V		0.0	46.8	83.5	-36.7									
17544.130	31.2	34.7	0.0	44.3	6.0	0.0	H		0.0	46.8	83.5	-36.7									
17882.690	30.7	34.8	0.0	44.7	6.1	0.0	H		0.0	46.6	83.5	-36.9									
13806.570	33.4	34.6	0.0	41.2	5.0	0.0	V		0.0	45.0	83.5	-38.5									
15155.850	34.7	34.2	0.0	39.1	5.3	0.0	V		0.0	45.0	83.5	-38.5									
13947.010	33.0	34.5	0.0	41.4	5.0	0.0	V		0.0	44.9	83.5	-38.6									
13628.520	33.6	34.7	0.0	40.9	4.9	0.0	V		0.0	44.8	83.5	-38.7									
13836.660	33.0	34.6	0.0	41.2	5.0	0.0	V		0.0	44.6	83.5	-38.9									
14252.960	32.7	34.4	0.0	41.0	5.1	0.0	V		0.0	44.3	83.5	-39.2									
13962.050	32.4	34.5	0.0	41.4	5.0	0.0	H		0.0	44.3	83.5	-39.2									
16339.690	33.5	34.1	0.0	39.0	5.7	0.0	H		0.0	44.2	83.5	-39.3									
16804.100	32.3	34.3	0.0	40.2	5.8	0.0	V		0.0	44.0	83.5	-39.5									
13179.620	33.7	34.9	0.0	40.1	4.8	0.0	H		0.0	43.8	83.5	-39.7									
16558.420	32.3	34.2	0.0	39.8	5.8	0.0	H		0.0	43.7	83.5	-39.8									
14245.440	32.0	34.4	0.0	41.0	5.1	0.0	H		0.0	43.7	83.5	-39.8									
13134.480	33.6	34.9	0.0	40.0	4.8	0.0	V		0.0	43.6	83.5	-39.9									
15155.850	33.3	34.2	0.0	39.1	5.3	0.0	H		0.0	43.6	83.5	-39.9									
15056.940	32.8	34.2	0.0	39.4	5.3	0.0	V		0.0	43.3	83.5	-40.2									
12981.500	33.7	35.0	0.0	39.8	4.8	0.0	V		0.0	43.3	83.5	-40.2									
14426.000	31.9	34.4	0.0	40.6	5.1	0.0	H		0.0	43.3	83.5	-40.2									

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df2.03 07/10/2002	
EUT: MPC13A-20										Work Order: INMC0023					
Serial Number: none										Date: 08/11/02					
Customer: Intermec Corporation										Temperature: 77					
Attendees: none										Humidity: 38%					
Cust. Ref. No.:										Barometric Pressure: 30.26					
Tested by: Greg Kiemel										Power: 120 V, 60 Hz				Job Site: EV01	
TEST SPECIFICATIONS															
Specification: FCC 15.209										Year: Current 47CFR					
Method: ANSI C63.4										Year: 2000					
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															
Mid Channel, flat panel antenna															
EUT OPERATING MODES															
Transmitting radio b															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS															
										Test Distance (m)		Run #			
Evaluation										1		93			
Other															
														Tested By: _____	
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17508.180	31.8	34.7	0.0	44.2	6.0	0.0	H		0.0	47.4	83.5	-36.1			
17786.820	31.5	34.8	0.0	44.5	6.1	0.0	H		0.0	47.3	83.5	-36.2			
17559.120	31.7	34.7	0.0	44.3	6.0	0.0	V		0.0	47.3	83.5	-36.2			
17828.760	30.7	34.8	0.0	44.6	6.1	0.0	V		0.0	46.5	83.5	-37.0			
13894.340	33.6	34.5	0.0	41.3	5.0	0.0	H		0.0	45.4	83.5	-38.1			
13959.550	33.2	34.5	0.0	41.4	5.0	0.0	V		0.0	45.1	83.5	-38.4			
13656.100	33.4	34.7	0.0	40.9	4.9	0.0	H		0.0	44.6	83.5	-38.9			
14237.910	32.9	34.4	0.0	41.0	5.1	0.0	H		0.0	44.6	83.5	-38.9			
14237.910	32.6	34.4	0.0	41.0	5.1	0.0	V		0.0	44.3	83.5	-39.2			
16732.190	32.2	34.3	0.0	40.1	5.8	0.0	H		0.0	43.8	83.5	-39.7			
14420.980	32.4	34.4	0.0	40.7	5.1	0.0	H		0.0	43.8	83.5	-39.7			
13335.100	33.2	34.8	0.0	40.4	4.9	0.0	H		0.0	43.7	83.5	-39.8			
12863.630	34.2	35.0	0.0	39.6	4.8	0.0	V		0.0	43.5	83.5	-40.0			
12913.790	34.0	35.0	0.0	39.7	4.8	0.0	V		0.0	43.5	83.5	-40.0			
15158.840	33.2	34.2	0.0	39.1	5.3	0.0	H		0.0	43.5	83.5	-40.0			
16816.080	31.7	34.3	0.0	40.2	5.8	0.0	V		0.0	43.4	83.5	-40.1			
13126.950	33.4	34.9	0.0	40.0	4.8	0.0	H		0.0	43.4	83.5	-40.1			
15158.840	33.1	34.2	0.0	39.1	5.3	0.0	V		0.0	43.4	83.5	-40.1			
14674.270	32.1	34.3	0.0	40.2	5.2	0.0	H		0.0	43.2	83.5	-40.3			
12921.310	33.7	35.0	0.0	39.7	4.8	0.0	H		0.0	43.2	83.5	-40.3			
13124.450	33.2	34.9	0.0	40.0	4.8	0.0	V		0.0	43.2	83.5	-40.3			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.03 07/10/2002	
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/11/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: none		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.26											
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC 15.209		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
High Channel, flat panel antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
												Test Distance (m)	Run #
Evaluation												1	94
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
17574.100	32.0	34.7	0.0	44.3	6.0	0.0	V		0.0	47.6	83.5	-35.9	
17574.100	31.0	34.7	0.0	44.3	6.0	0.0	H		0.0	46.6	83.5	-36.9	
17906.660	30.5	34.9	0.0	44.7	6.1	0.0	H		0.0	46.4	83.5	-37.1	
17891.680	30.3	34.8	0.0	44.7	6.1	0.0	V		0.0	46.2	83.5	-37.3	
13906.880	32.7	34.5	0.0	41.4	5.0	0.0	H		0.0	44.5	83.5	-39.0	
14069.890	32.1	34.5	0.0	41.4	5.0	0.0	V		0.0	44.0	83.5	-39.5	
13941.990	32.1	34.5	0.0	41.4	5.0	0.0	V		0.0	44.0	83.5	-39.5	
13718.800	32.6	34.6	0.0	41.1	4.9	0.0	V		0.0	44.0	83.5	-39.5	
14431.020	32.4	34.4	0.0	40.6	5.1	0.0	V		0.0	43.8	83.5	-39.7	
14260.480	32.1	34.4	0.0	41.0	5.1	0.0	H		0.0	43.7	83.5	-39.8	
14257.980	31.8	34.4	0.0	41.0	5.1	0.0	V		0.0	43.4	83.5	-40.1	
14453.590	32.0	34.4	0.0	40.6	5.1	0.0	H		0.0	43.4	83.5	-40.1	
16525.460	32.0	34.2	0.0	39.7	5.8	0.0	H		0.0	43.3	83.5	-40.2	
16654.290	31.8	34.2	0.0	39.9	5.8	0.0	H		0.0	43.3	83.5	-40.2	
13382.750	32.3	34.8	0.0	40.5	4.9	0.0	V		0.0	42.9	83.5	-40.6	
15155.850	32.6	34.2	0.0	39.1	5.3	0.0	H		0.0	42.9	83.5	-40.6	
12923.820	33.3	35.0	0.0	39.7	4.8	0.0	V		0.0	42.8	83.5	-40.7	
15146.860	32.4	34.2	0.0	39.1	5.3	0.0	V		0.0	42.7	83.5	-40.8	
13126.950	32.7	34.9	0.0	40.0	4.8	0.0	H		0.0	42.7	83.5	-40.8	
14882.420	31.8	34.2	0.0	39.8	5.3	0.0	V		0.0	42.6	83.5	-40.9	
13159.550	32.6	34.9	0.0	40.1	4.8	0.0	V		0.0	42.6	83.5	-40.9	

NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV d12.03 07/10/2002	
EMC													
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/11/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: none		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.26											
Tested by: Greg Kiemel		Power: 120 V, 60 Hz										Job Site: EV01	
TEST SPECIFICATIONS													
Specification: FCC 15.209		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
High Channel, flat panel antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
										Test Distance (m)		Run #	
Evaluation										1		95	
Other													
Tested By: _____													
													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
24476.160	37.4	36.4	0.0	40.4	7.2	0.0	H		0.0	48.7	83.5	-34.8	
24965.580	37.0	36.3	0.0	40.4	7.5	0.0	V		0.0	48.6	83.5	-34.9	
24965.580	36.9	36.3	0.0	40.4	7.5	0.0	H		0.0	48.5	83.5	-35.0	
23082.790	37.5	36.1	0.0	40.4	6.4	0.0	V		0.0	48.2	83.5	-35.3	
26099.250	35.3	35.5	0.0	40.5	7.7	0.0	V		0.0	48.0	83.5	-35.5	
24236.440	36.9	36.4	0.0	40.4	7.0	0.0	H		0.0	48.0	83.5	-35.5	
25639.790	35.6	35.8	0.0	40.5	7.6	0.0	H		0.0	47.9	83.5	-35.6	
24141.550	36.9	36.4	0.0	40.4	7.0	0.0	V		0.0	47.9	83.5	-35.6	
26104.250	34.9	35.5	0.0	40.5	7.7	0.0	H		0.0	47.6	83.5	-35.9	
25714.700	35.2	35.7	0.0	40.5	7.6	0.0	V		0.0	47.6	83.5	-35.9	
22019.040	35.2	36.0	0.0	40.3	7.0	0.0	H		0.0	46.5	83.5	-37.0	
22178.850	35.2	36.0	0.0	40.3	6.9	0.0	H		0.0	46.4	83.5	-37.1	
21639.480	35.3	36.1	0.0	40.3	6.9	0.0	H		0.0	46.4	83.5	-37.1	
22128.910	35.1	36.0	0.0	40.3	6.9	0.0	H		0.0	46.3	83.5	-37.2	
23752.010	35.4	36.3	0.0	40.4	6.8	0.0	H		0.0	46.2	83.5	-37.3	
22478.500	35.2	36.0	0.0	40.3	6.7	0.0	H		0.0	46.2	83.5	-37.3	
21639.480	35.1	36.1	0.0	40.3	6.9	0.0	V		0.0	46.2	83.5	-37.3	
22283.730	35.0	36.0	0.0	40.3	6.8	0.0	V		0.0	46.1	83.5	-37.4	
23242.600	35.2	36.2	0.0	40.4	6.5	0.0	H		0.0	45.9	83.5	-37.6	
22683.260	35.0	36.1	0.0	40.4	6.6	0.0	V		0.0	45.9	83.5	-37.6	
23362.460	35.1	36.2	0.0	40.4	6.6	0.0	H		0.0	45.9	83.5	-37.6	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df2.03 07/10/2002	
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/11/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: none		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.26											
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC 15.209		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
Mid Channel, flat panel antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
												Test Distance (m)	Run #
Evaluation												1	96
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
24950.600	37.4	36.3	0.0	40.4	7.5	0.0	H		0.0	49.0	83.5	-34.5	
24970.580	36.7	36.3	0.0	40.4	7.5	0.0	V		0.0	48.3	83.5	-35.2	
24591.020	36.8	36.3	0.0	40.4	7.3	0.0	H		0.0	48.1	83.5	-35.4	
24650.950	36.7	36.3	0.0	40.4	7.3	0.0	V		0.0	48.1	83.5	-35.4	
26044.320	35.3	35.5	0.0	40.5	7.7	0.0	H		0.0	48.0	83.5	-35.5	
25699.720	35.6	35.7	0.0	40.5	7.6	0.0	H		0.0	48.0	83.5	-35.5	
24306.360	36.8	36.4	0.0	40.4	7.1	0.0	H		0.0	47.9	83.5	-35.6	
24226.450	36.8	36.4	0.0	40.4	7.0	0.0	V		0.0	47.9	83.5	-35.6	
26099.250	35.1	35.5	0.0	40.5	7.7	0.0	V		0.0	47.8	83.5	-35.7	
24291.370	36.7	36.4	0.0	40.4	7.1	0.0	H		0.0	47.8	83.5	-35.7	
25669.760	35.3	35.8	0.0	40.5	7.6	0.0	V		0.0	47.7	83.5	-35.8	
21714.400	36.0	36.1	0.0	40.3	6.9	0.0	H		0.0	47.2	83.5	-36.3	
21559.580	35.1	36.2	0.0	40.3	6.9	0.0	V		0.0	46.2	83.5	-37.3	
23072.800	35.4	36.1	0.0	40.4	6.4	0.0	H		0.0	46.1	83.5	-37.4	
23152.710	35.3	36.1	0.0	40.4	6.5	0.0	V		0.0	46.0	83.5	-37.5	
21214.980	34.1	36.3	0.0	40.3	6.8	0.0	H		0.0	44.9	83.5	-38.6	
21239.950	34.0	36.3	0.0	40.3	6.8	0.0	H		0.0	44.9	83.5	-38.6	
21224.970	33.8	36.3	0.0	40.3	6.8	0.0	V		0.0	44.6	83.5	-38.9	
21224.970	33.4	36.3	0.0	40.3	6.8	0.0	H		0.0	44.2	83.5	-39.3	
21204.990	33.4	36.3	0.0	40.3	6.8	0.0	V		0.0	44.2	83.5	-39.3	
18941.370	35.1	37.4	0.0	40.2	6.3	0.0	V		0.0	44.2	83.5	-39.3	

NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV df2.03 07/10/2002	
EMC													
EUT: MPC13A-20		Work Order: INMC0023											
Serial Number: none		Date: 08/11/02											
Customer: Intermec Corporation		Temperature: 77											
Attendees: none		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.26											
Tested by: Greg Kiemel		Power: 120 V, 60 Hz										Job Site: EV01	
TEST SPECIFICATIONS													
Specification: FCC 15.209		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
Low Channel, flat panel antenna													
EUT OPERATING MODES													
Transmitting radio b													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS													
										Test Distance (m)		Run #	
Evaluation										1		97	
Other													
Tested By: _____													
													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks (PK) from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
24890.670	37.0	36.3	0.0	40.4	7.4	0.0	V		0.0	48.6	83.5	-34.9	
25035.500	36.8	36.3	0.0	40.5	7.5	0.0	H		0.0	48.5	83.5	-35.0	
24915.640	36.9	36.3	0.0	40.4	7.4	0.0	H		0.0	48.5	83.5	-35.0	
24301.360	37.1	36.4	0.0	40.4	7.1	0.0	V		0.0	48.2	83.5	-35.3	
25809.590	35.7	35.7	0.0	40.5	7.7	0.0	V		0.0	48.2	83.5	-35.3	
24256.410	37.0	36.4	0.0	40.4	7.1	0.0	H		0.0	48.1	83.5	-35.4	
24446.190	36.7	36.4	0.0	40.4	7.2	0.0	H		0.0	47.9	83.5	-35.6	
24606.000	36.4	36.3	0.0	40.4	7.3	0.0	V		0.0	47.8	83.5	-35.7	
26079.280	35.0	35.5	0.0	40.5	7.7	0.0	V		0.0	47.7	83.5	-35.8	
25210.290	35.7	36.1	0.0	40.5	7.5	0.0	V		0.0	47.6	83.5	-35.9	
25624.810	35.2	35.8	0.0	40.5	7.6	0.0	H		0.0	47.5	83.5	-36.0	
26159.180	34.7	35.5	0.0	40.5	7.7	0.0	H		0.0	47.4	83.5	-36.1	
23662.110	35.9	36.3	0.0	40.4	6.7	0.0	V		0.0	46.7	83.5	-36.8	
21704.410	35.5	36.1	0.0	40.3	6.9	0.0	V		0.0	46.6	83.5	-36.9	
23067.810	35.9	36.1	0.0	40.4	6.4	0.0	H		0.0	46.6	83.5	-36.9	
23881.850	35.7	36.4	0.0	40.4	6.8	0.0	V		0.0	46.6	83.5	-36.9	
22997.890	35.9	36.1	0.0	40.4	6.4	0.0	V		0.0	46.6	83.5	-36.9	
21519.630	35.5	36.2	0.0	40.3	6.9	0.0	V		0.0	46.5	83.5	-37.0	
22643.310	35.4	36.1	0.0	40.4	6.6	0.0	H		0.0	46.3	83.5	-37.2	
23926.800	35.4	36.4	0.0	40.4	6.9	0.0	V		0.0	46.3	83.5	-37.2	
21364.810	35.3	36.3	0.0	40.3	6.9	0.0	H		0.0	46.2	83.5	-37.3	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75F											
Attendees: None		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Rod Peloquin		Power: DC power on ENet										Job Site: EV01	
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)										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													
Flat panel antennas, high channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		5	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
4923.959	41.9	31.9	0.0	34.9	4.5	0.0	H		0.0	49.3	74.0	-24.7	
10000.710	30.1	30.9	0.0	38.9	6.8	0.0	V		0.0	44.9	74.0	-29.1	
9164.297	29.3	30.9	0.0	39.7	6.5	0.0	H		0.0	44.5	74.0	-29.5	
9140.141	29.2	30.9	0.0	39.8	6.5	0.0	V		0.0	44.5	74.0	-29.5	
9834.633	29.7	30.9	0.0	38.8	6.7	0.0	H		0.0	44.3	74.0	-29.7	
4923.959	36.7	31.9	0.0	34.9	4.5	0.0	V		0.0	44.1	74.0	-29.9	
7564.652	31.3	32.9	0.0	37.8	6.0	0.0	V		0.0	42.2	74.0	-31.8	
7619.004	30.9	32.9	0.0	37.7	6.0	0.0	H		0.0	41.8	74.0	-32.2	
8292.359	30.0	32.2	0.0	37.7	6.2	0.0	H		0.0	41.7	74.0	-32.3	
6879.285	32.0	33.0	0.0	36.9	5.8	0.0	H		0.0	41.7	74.0	-32.3	
7147.957	31.4	33.0	0.0	37.4	5.8	0.0	H		0.0	41.6	74.0	-32.4	
8376.906	29.5	32.0	0.0	37.8	6.2	0.0	V		0.0	41.5	74.0	-32.5	
8093.070	30.3	32.5	0.0	37.6	6.1	0.0	V		0.0	41.5	74.0	-32.5	
6879.285	31.8	33.0	0.0	36.9	5.8	0.0	V		0.0	41.5	74.0	-32.5	
8138.363	30.1	32.5	0.0	37.6	6.1	0.0	H		0.0	41.4	74.0	-32.6	
6066.191	31.8	32.5	0.0	36.7	5.4	0.0	H		0.0	41.4	74.0	-32.6	
6014.163	31.2	32.5	0.0	36.8	5.4	0.0	V		0.0	40.9	74.0	-33.1	
6593.734	31.6	32.9	0.0	36.3	5.6	0.0	V		0.0	40.7	74.0	-33.3	
6600.994	31.5	32.9	0.0	36.3	5.6	0.0	H		0.0	40.6	74.0	-33.4	
5000.701	31.4	31.9	0.0	35.1	4.5	0.0	V		0.0	39.1	74.0	-34.9	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75F											
Attendees: None		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Rod Peloquin		Power: DC power on ENet					Job Site: EV01						
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)										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													
Flat panel antennas, mid channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		6	
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
9188.453	29.8	30.9	0.0	39.6	6.5	0.0	V		0.0	45.0	74.0	-29.0	
9149.199	29.2	30.9	0.0	39.7	6.5	0.0	H		0.0	44.5	74.0	-29.5	
9596.090	29.5	30.9	0.0	38.7	6.6	0.0	V		0.0	43.9	74.0	-30.1	
4873.471	36.4	32.0	0.0	34.7	4.4	0.0	H		0.0	43.6	74.0	-30.4	
7694.492	30.9	32.8	0.0	37.7	6.0	0.0	H		0.0	41.8	74.0	-32.2	
7588.809	30.9	32.9	0.0	37.7	6.0	0.0	V		0.0	41.8	74.0	-32.2	
8385.965	29.7	32.0	0.0	37.8	6.2	0.0	V		0.0	41.7	74.0	-32.3	
8367.848	29.7	32.0	0.0	37.8	6.2	0.0	H		0.0	41.7	74.0	-32.3	
6886.545	31.8	33.0	0.0	37.0	5.8	0.0	H		0.0	41.5	74.0	-32.5	
7147.957	31.2	33.0	0.0	37.4	5.8	0.0	V		0.0	41.4	74.0	-32.6	
6876.865	31.4	33.0	0.0	36.9	5.8	0.0	V		0.0	41.1	74.0	-32.9	
6557.436	31.8	32.8	0.0	36.2	5.6	0.0	H		0.0	40.8	74.0	-33.2	
6095.230	31.1	32.6	0.0	36.7	5.4	0.0	H		0.0	40.6	74.0	-33.4	
5821.779	31.3	32.4	0.0	36.5	5.2	0.0	V		0.0	40.6	74.0	-33.4	
6365.052	31.3	32.7	0.0	36.3	5.5	0.0	V		0.0	40.4	74.0	-33.6	
6659.072	31.1	32.9	0.0	36.4	5.7	0.0	V		0.0	40.3	74.0	-33.7	
5006.760	31.0	31.9	0.0	35.1	4.5	0.0	V		0.0	38.7	74.0	-35.3	
5005.750	31.0	31.9	0.0	35.1	4.5	0.0	V		0.0	38.7	74.0	-35.3	
4956.271	31.0	31.9	0.0	35.0	4.5	0.0	V		0.0	38.5	74.0	-35.5	
4978.486	30.8	31.9	0.0	35.0	4.5	0.0	V		0.0	38.4	74.0	-35.6	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75F											
Attendees: None		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Rod Peloquin		Power: DC power on ENet		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		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													
Flat panel antennas, low channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		9	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
4825.002	37.8	32.0	0.0	34.6	4.4	0.0	H		0.0	44.8	74.0	-29.2	
9164.297	29.3	30.9	0.0	39.7	6.5	0.0	V		0.0	44.5	74.0	-29.5	
8886.500	29.6	31.1	0.0	39.7	6.4	0.0	V		0.0	44.5	74.0	-29.5	
9345.469	29.8	30.9	0.0	39.1	6.5	0.0	V		0.0	44.5	74.0	-29.5	
8883.480	29.6	31.1	0.0	39.7	6.4	0.0	H		0.0	44.5	74.0	-29.5	
7238.543	32.6	33.0	0.0	37.5	5.9	0.0	H		0.0	43.0	74.0	-31.0	
7522.379	31.3	32.9	0.0	37.8	6.0	0.0	H		0.0	42.2	74.0	-31.8	
7549.555	31.2	32.9	0.0	37.8	6.0	0.0	V		0.0	42.1	74.0	-31.9	
7214.387	31.6	33.0	0.0	37.5	5.9	0.0	V		0.0	41.9	74.0	-32.1	
8238.008	30.2	32.3	0.0	37.7	6.2	0.0	H		0.0	41.8	74.0	-32.2	
7147.957	31.5	33.0	0.0	37.4	5.8	0.0	V		0.0	41.7	74.0	-32.3	
8238.008	30.0	32.3	0.0	37.7	6.2	0.0	V		0.0	41.6	74.0	-32.4	
8093.070	30.4	32.5	0.0	37.6	6.1	0.0	V		0.0	41.6	74.0	-32.4	
6898.645	31.8	33.0	0.0	37.0	5.8	0.0	V		0.0	41.5	74.0	-32.5	
6881.705	31.5	33.0	0.0	36.9	5.8	0.0	H		0.0	41.2	74.0	-32.8	
6039.572	31.5	32.5	0.0	36.7	5.4	0.0	H		0.0	41.1	74.0	-32.9	
6179.928	31.4	32.6	0.0	36.5	5.5	0.0	V		0.0	40.8	74.0	-33.2	
6637.293	31.5	32.9	0.0	36.4	5.7	0.0	H		0.0	40.7	74.0	-33.3	
6625.193	31.2	32.9	0.0	36.4	5.7	0.0	V		0.0	40.4	74.0	-33.6	
6363.842	31.0	32.7	0.0	36.3	5.5	0.0	V		0.0	40.1	74.0	-33.9	

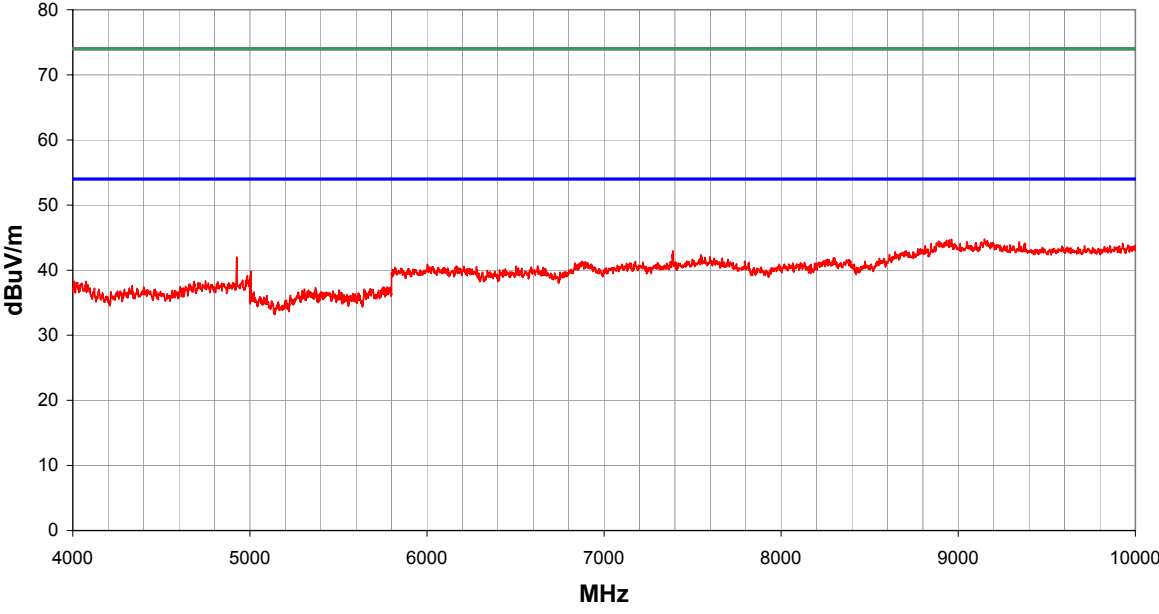
NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75F											
Attendees: None		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Rod Peloquin		Power: DC power on ENet		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		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													
Yagi antennas, low channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		10	
Other													
										Tested By: _____			
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
9165.807	29.4	30.9	0.0	39.7	6.5	0.0	H		0.0	44.6	74.0	-29.4	
8895.559	29.5	31.1	0.0	39.7	6.4	0.0	H		0.0	44.5	74.0	-29.5	
8898.578	29.2	31.1	0.0	39.7	6.4	0.0	V		0.0	44.2	74.0	-29.8	
10006.750	29.2	30.9	0.0	38.9	6.8	0.0	V		0.0	44.0	74.0	-30.0	
10006.750	29.1	30.9	0.0	38.9	6.8	0.0	H		0.0	43.9	74.0	-30.1	
4825.002	35.8	32.0	0.0	34.6	4.4	0.0	V		0.0	42.8	74.0	-31.2	
8289.340	30.5	32.2	0.0	37.7	6.2	0.0	H		0.0	42.2	74.0	-31.8	
7543.516	31.2	32.9	0.0	37.8	6.0	0.0	V		0.0	42.1	74.0	-31.9	
8304.438	30.1	32.2	0.0	37.7	6.2	0.0	V		0.0	41.9	74.0	-32.1	
7552.574	31.0	32.9	0.0	37.8	6.0	0.0	H		0.0	41.9	74.0	-32.1	
6876.865	31.9	33.0	0.0	36.9	5.8	0.0	V		0.0	41.6	74.0	-32.4	
7235.523	31.2	33.0	0.0	37.5	5.9	0.0	V		0.0	41.5	74.0	-32.5	
6915.584	31.7	33.0	0.0	37.0	5.8	0.0	H		0.0	41.4	74.0	-32.6	
6177.508	31.5	32.6	0.0	36.6	5.5	0.0	H		0.0	40.9	74.0	-33.1	
6177.508	31.4	32.6	0.0	36.6	5.5	0.0	V		0.0	40.8	74.0	-33.2	
5998.434	31.1	32.5	0.0	36.8	5.4	0.0	V		0.0	40.8	74.0	-33.2	
6605.834	31.4	32.9	0.0	36.3	5.6	0.0	V		0.0	40.5	74.0	-33.5	
6424.340	31.3	32.8	0.0	36.2	5.6	0.0	H		0.0	40.3	74.0	-33.7	
5002.721	31.0	31.9	0.0	35.1	4.5	0.0	V		0.0	38.7	74.0	-35.3	
5001.711	31.0	31.9	0.0	35.1	4.5	0.0	V		0.0	38.7	74.0	-35.3	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75F											
Attendees: None		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Rod Peloquin		Power: DC power on ENet					Job Site: EV01						
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)										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													
Yagi antennas, mid channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		13	
Other													
										Tested By: _____			
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
8922.734	29.4	31.0	0.0	39.8	6.4	0.0	V		0.0	44.6	74.0	-29.4	
9155.238	29.3	30.9	0.0	39.7	6.5	0.0	H		0.0	44.6	74.0	-29.4	
8952.930	29.1	31.0	0.0	40.0	6.4	0.0	H		0.0	44.5	74.0	-29.5	
9901.063	29.2	30.9	0.0	38.8	6.8	0.0	V		0.0	43.9	74.0	-30.1	
10006.750	29.1	30.9	0.0	38.9	6.8	0.0	H		0.0	43.9	74.0	-30.1	
7458.969	31.3	32.9	0.0	37.8	5.9	0.0	V		0.0	42.1	74.0	-31.9	
7594.848	31.2	32.9	0.0	37.7	6.0	0.0	H		0.0	42.1	74.0	-31.9	
4875.490	34.7	32.0	0.0	34.8	4.4	0.0	H		0.0	41.9	74.0	-32.1	
7147.957	31.6	33.0	0.0	37.4	5.8	0.0	V		0.0	41.8	74.0	-32.2	
6886.545	32.1	33.0	0.0	37.0	5.8	0.0	V		0.0	41.8	74.0	-32.2	
8268.203	30.0	32.2	0.0	37.7	6.2	0.0	H		0.0	41.7	74.0	-32.3	
8265.184	30.0	32.2	0.0	37.7	6.2	0.0	V		0.0	41.7	74.0	-32.3	
8105.148	30.4	32.5	0.0	37.6	6.1	0.0	V		0.0	41.6	74.0	-32.4	
6881.705	31.8	33.0	0.0	36.9	5.8	0.0	H		0.0	41.5	74.0	-32.5	
6011.743	31.4	32.5	0.0	36.8	5.4	0.0	H		0.0	41.1	74.0	-32.9	
6032.313	31.4	32.5	0.0	36.8	5.4	0.0	V		0.0	41.0	74.0	-33.0	
6172.668	31.2	32.6	0.0	36.6	5.5	0.0	H		0.0	40.6	74.0	-33.4	
6511.457	31.7	32.8	0.0	36.1	5.6	0.0	V		0.0	40.6	74.0	-33.4	
6616.724	31.4	32.9	0.0	36.4	5.6	0.0	H		0.0	40.5	74.0	-33.5	
4873.471	33.3	32.0	0.0	34.7	4.4	0.0	V		0.0	40.5	74.0	-33.5	

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/07/02											
Customer: INTERMEC Corporation										Temperature: 75F											
Attendees: None										Humidity: 43%											
Cust. Ref. No.:										Barometric Pressure: 30.3											
Tested by: Rod Peloquin										Power: DC power on ENet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC Part 15.209(a)										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																					
Yagi antennas, high channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)				Run #							
Evaluation										3				14							
Other										Tested By:											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
8977.086	29.4	30.9	0.0	40.1	6.4	0.0	H		0.0	44.9	74.0	-29.1									
9147.689	29.1	30.9	0.0	39.7	6.5	0.0	V		0.0	44.4	74.0	-29.6									
9656.480	29.6	30.9	0.0	38.7	6.7	0.0	H		0.0	44.1	74.0	-29.9									
9991.648	29.2	30.9	0.0	38.9	6.8	0.0	H		0.0	44.0	74.0	-30.0									
7537.477	31.3	32.9	0.0	37.8	6.0	0.0	H		0.0	42.2	74.0	-31.8									
7383.480	31.5	32.9	0.0	37.7	5.9	0.0	V		0.0	42.1	74.0	-31.9									
6901.064	32.4	33.0	0.0	37.0	5.8	0.0	H		0.0	42.1	74.0	-31.9									
8382.945	29.8	32.0	0.0	37.8	6.2	0.0	V		0.0	41.8	74.0	-32.2									
8364.828	29.8	32.0	0.0	37.8	6.2	0.0	H		0.0	41.8	74.0	-32.2									
6872.025	31.8	33.0	0.0	36.9	5.7	0.0	V		0.0	41.4	74.0	-32.6									
8105.148	30.1	32.5	0.0	37.6	6.1	0.0	V		0.0	41.3	74.0	-32.7									
6201.707	31.3	32.6	0.0	36.5	5.5	0.0	V		0.0	40.7	74.0	-33.3									
6521.137	31.7	32.8	0.0	36.1	5.6	0.0	V		0.0	40.6	74.0	-33.4									
6181.138	31.2	32.6	0.0	36.5	5.5	0.0	H		0.0	40.6	74.0	-33.4									
6591.314	31.4	32.9	0.0	36.3	5.6	0.0	H		0.0	40.5	74.0	-33.5									
4925.979	31.5	31.9	0.0	34.9	4.5	0.0	V		0.0	38.9	74.0	-35.1									
4887.607	31.4	32.0	0.0	34.8	4.4	0.0	V		0.0	38.7	74.0	-35.3									
4958.291	31.1	31.9	0.0	35.0	4.5	0.0	V		0.0	38.6	74.0	-35.4									
4925.979	31.2	31.9	0.0	34.9	4.5	0.0	H		0.0	38.6	74.0	-35.4									
4986.564	30.9	31.9	0.0	35.1	4.5	0.0	H		0.0	38.5	74.0	-35.5									

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75											
Attendees: none		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		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													
Omni Antennas, Low Channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		19	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
9149.199	29.7	30.9	0.0	39.7	6.5	0.0	V		0.0	45.0	74.0	-29.0	
8919.715	29.5	31.0	0.0	39.8	6.4	0.0	H		0.0	44.7	74.0	-29.3	
9898.043	29.6	30.9	0.0	38.8	6.8	0.0	V		0.0	44.3	74.0	-29.7	
7588.809	31.5	32.9	0.0	37.7	6.0	0.0	H		0.0	42.4	74.0	-31.6	
8370.867	30.2	32.0	0.0	37.8	6.2	0.0	H		0.0	42.2	74.0	-31.8	
7238.543	31.7	33.0	0.0	37.5	5.9	0.0	V		0.0	42.1	74.0	-31.9	
8286.320	30.3	32.2	0.0	37.7	6.2	0.0	V		0.0	42.0	74.0	-32.0	
7557.104	31.1	32.9	0.0	37.8	6.0	0.0	V		0.0	42.0	74.0	-32.0	
7123.801	31.6	33.1	0.0	37.3	5.8	0.0	V		0.0	41.7	74.0	-32.3	
7147.957	31.5	33.0	0.0	37.4	5.8	0.0	H		0.0	41.7	74.0	-32.3	
6867.186	32.0	33.0	0.0	36.9	5.7	0.0	V		0.0	41.6	74.0	-32.4	
6864.766	32.0	33.0	0.0	36.9	5.7	0.0	H		0.0	41.6	74.0	-32.4	
8017.582	30.5	32.7	0.0	37.5	6.1	0.0	H		0.0	41.5	74.0	-32.5	
8129.305	30.0	32.5	0.0	37.6	6.1	0.0	V		0.0	41.3	74.0	-32.7	
6630.033	31.8	32.9	0.0	36.4	5.7	0.0	H		0.0	41.0	74.0	-33.0	
6095.230	31.1	32.6	0.0	36.7	5.4	0.0	H		0.0	40.6	74.0	-33.4	
5933.096	31.0	32.5	0.0	36.7	5.3	0.0	V		0.0	40.6	74.0	-33.4	
6692.951	31.1	32.9	0.0	36.5	5.7	0.0	V		0.0	40.4	74.0	-33.6	
4825.002	32.4	32.0	0.0	34.6	4.4	0.0	H		0.0	39.4	74.0	-34.6	
4980.506	31.1	31.9	0.0	35.0	4.5	0.0	V		0.0	38.7	74.0	-35.3	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/07/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 43%													
Cust. Ref. No.:		Barometric Pressure: 30.3													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC Part 15.209(a)		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															
Omni Antennas, Mid Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												3		20	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
9152.219	29.6	30.9	0.0	39.7	6.5	0.0	H		0.0	44.9	74.0	-29.1			
9146.180	29.3	30.9	0.0	39.7	6.5	0.0	V		0.0	44.6	74.0	-29.4			
8874.422	29.6	31.1	0.0	39.6	6.4	0.0	H		0.0	44.5	74.0	-29.5			
9928.238	29.5	30.9	0.0	38.9	6.8	0.0	V		0.0	44.2	74.0	-29.8			
10003.730	29.3	30.9	0.0	38.9	6.8	0.0	H		0.0	44.1	74.0	-29.9			
7534.457	31.3	32.9	0.0	37.8	6.0	0.0	H		0.0	42.2	74.0	-31.8			
8304.438	30.3	32.2	0.0	37.7	6.2	0.0	H		0.0	42.1	74.0	-31.9			
7552.574	30.9	32.9	0.0	37.8	6.0	0.0	V		0.0	41.8	74.0	-32.2			
8304.438	29.8	32.2	0.0	37.7	6.2	0.0	V		0.0	41.6	74.0	-32.4			
8050.797	30.5	32.6	0.0	37.5	6.1	0.0	H		0.0	41.5	74.0	-32.5			
7794.137	30.6	32.8	0.0	37.6	6.0	0.0	V		0.0	41.5	74.0	-32.5			
6864.766	31.6	33.0	0.0	36.9	5.7	0.0	V		0.0	41.2	74.0	-32.8			
8141.383	29.9	32.4	0.0	37.6	6.1	0.0	V		0.0	41.2	74.0	-32.8			
6898.645	31.5	33.0	0.0	37.0	5.8	0.0	H		0.0	41.2	74.0	-32.8			
4873.471	33.7	32.0	0.0	34.7	4.4	0.0	V		0.0	40.9	74.0	-33.1			
5988.754	31.0	32.5	0.0	36.8	5.4	0.0	H		0.0	40.7	74.0	-33.3			
6017.793	30.9	32.5	0.0	36.8	5.4	0.0	V		0.0	40.6	74.0	-33.4			
6634.873	31.3	32.9	0.0	36.4	5.7	0.0	H		0.0	40.5	74.0	-33.5			
6509.037	31.5	32.8	0.0	36.1	5.6	0.0	V		0.0	40.4	74.0	-33.6			
4925.979	31.9	31.9	0.0	34.9	4.5	0.0	V		0.0	39.3	74.0	-34.7			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75											
Attendees: none		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		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													
Omni Antennas, High Channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		21	
Other													
Tested By:													
													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
9147.689	29.5	30.9	0.0	39.7	6.5	0.0	V		0.0	44.8	74.0	-29.2	
8961.988	29.3	31.0	0.0	40.0	6.4	0.0	V		0.0	44.7	74.0	-29.3	
8949.910	29.2	31.0	0.0	40.0	6.4	0.0	H		0.0	44.6	74.0	-29.4	
9164.297	29.3	30.9	0.0	39.7	6.5	0.0	H		0.0	44.5	74.0	-29.5	
8814.031	29.3	31.2	0.0	39.3	6.3	0.0	H		0.0	43.8	74.0	-30.2	
7389.520	32.3	32.9	0.0	37.7	5.9	0.0	V		0.0	42.9	74.0	-31.1	
7546.535	31.5	32.9	0.0	37.8	6.0	0.0	V		0.0	42.4	74.0	-31.6	
7597.867	31.2	32.9	0.0	37.7	6.0	0.0	H		0.0	42.1	74.0	-31.9	
4925.979	34.6	31.9	0.0	34.9	4.5	0.0	H		0.0	42.0	74.0	-32.0	
8301.418	30.1	32.2	0.0	37.7	6.2	0.0	V		0.0	41.9	74.0	-32.1	
8295.379	30.1	32.2	0.0	37.7	6.2	0.0	H		0.0	41.9	74.0	-32.1	
6876.865	31.7	33.0	0.0	36.9	5.8	0.0	H		0.0	41.4	74.0	-32.6	
6879.285	31.6	33.0	0.0	36.9	5.8	0.0	V		0.0	41.3	74.0	-32.7	
6002.063	31.2	32.5	0.0	36.8	5.4	0.0	V		0.0	40.9	74.0	-33.1	
6625.193	31.5	32.9	0.0	36.4	5.7	0.0	V		0.0	40.7	74.0	-33.3	
6167.828	31.2	32.6	0.0	36.6	5.5	0.0	H		0.0	40.6	74.0	-33.4	
6504.197	31.7	32.8	0.0	36.1	5.6	0.0	H		0.0	40.6	74.0	-33.4	
6588.895	31.4	32.9	0.0	36.3	5.6	0.0	H		0.0	40.5	74.0	-33.5	
5006.760	32.1	31.9	0.0	35.1	4.5	0.0	H		0.0	39.8	74.0	-34.2	
5005.750	32.1	31.9	0.0	35.1	4.5	0.0	H		0.0	39.8	74.0	-34.2	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/07/02											
Customer: INTERMEC Corporation		Temperature: 75											
Attendees: none		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Greg Kiemel		Power: DC power on Enet				Job Site: EV01							
TEST SPECIFICATIONS													
Specification: FCC Part 15.209(a)		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													
Dipole Antennas, High Channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										3		22	
Other													
Tested By: _____													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
4923.959	39.9	31.9	0.0	34.9	4.5	0.0	H		0.0	47.3	74.0	-26.7	
9150.709	29.4	30.9	0.0	39.7	6.5	0.0	H		0.0	44.7	74.0	-29.3	
8934.813	29.3	31.0	0.0	39.9	6.4	0.0	H		0.0	44.6	74.0	-29.4	
9158.258	29.2	30.9	0.0	39.7	6.5	0.0	V		0.0	44.5	74.0	-29.5	
9596.090	29.9	30.9	0.0	38.7	6.6	0.0	V		0.0	44.3	74.0	-29.7	
8307.457	30.3	32.1	0.0	37.7	6.2	0.0	V		0.0	42.1	74.0	-31.9	
6869.605	32.4	33.0	0.0	36.9	5.7	0.0	V		0.0	42.0	74.0	-32.0	
7612.965	31.1	32.9	0.0	37.7	6.0	0.0	H		0.0	42.0	74.0	-32.0	
7561.633	31.0	32.9	0.0	37.8	6.0	0.0	V		0.0	41.9	74.0	-32.1	
8132.324	30.4	32.5	0.0	37.6	6.1	0.0	H		0.0	41.7	74.0	-32.3	
8370.867	29.7	32.0	0.0	37.8	6.2	0.0	H		0.0	41.7	74.0	-32.3	
6918.004	31.6	33.1	0.0	37.0	5.8	0.0	H		0.0	41.3	74.0	-32.7	
6095.230	31.3	32.6	0.0	36.7	5.4	0.0	V		0.0	40.8	74.0	-33.2	
6513.877	31.9	32.8	0.0	36.1	5.6	0.0	V		0.0	40.8	74.0	-33.2	
6029.893	31.1	32.5	0.0	36.8	5.4	0.0	H		0.0	40.8	74.0	-33.2	
6177.508	31.2	32.6	0.0	36.6	5.5	0.0	H		0.0	40.6	74.0	-33.4	
6661.492	31.3	32.9	0.0	36.5	5.7	0.0	H		0.0	40.5	74.0	-33.5	
4270.641	33.1	32.3	0.0	34.1	4.1	0.0	H		0.0	39.0	74.0	-35.0	
4988.584	31.3	31.9	0.0	35.1	4.5	0.0	H		0.0	39.0	74.0	-35.0	
4956.271	31.4	31.9	0.0	35.0	4.5	0.0	H		0.0	38.9	74.0	-35.1	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/08/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 43%													
Cust. Ref. No.:		Barometric Pressure: 30.3													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC Part 15.209(a)		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															
Dipole Antennas, Mid Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												3		25	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
9165.807	29.7	30.9	0.0	39.7	6.5	0.0	H		0.0	44.9	74.0	-29.1			
8983.125	28.9	30.9	0.0	40.1	6.4	0.0	V		0.0	44.5	74.0	-29.5			
8826.109	29.4	31.2	0.0	39.4	6.3	0.0	H		0.0	43.9	74.0	-30.1			
7465.008	31.7	32.9	0.0	37.8	5.9	0.0	V		0.0	42.5	74.0	-31.5			
8292.359	30.7	32.2	0.0	37.7	6.2	0.0	H		0.0	42.4	74.0	-31.6			
7637.121	31.2	32.8	0.0	37.7	6.0	0.0	H		0.0	42.1	74.0	-31.9			
7144.938	31.6	33.0	0.0	37.4	5.8	0.0	H		0.0	41.8	74.0	-32.2			
8056.836	30.7	32.6	0.0	37.5	6.1	0.0	H		0.0	41.8	74.0	-32.2			
6867.186	32.1	33.0	0.0	36.9	5.7	0.0	H		0.0	41.7	74.0	-32.3			
8310.477	29.9	32.1	0.0	37.7	6.2	0.0	V		0.0	41.7	74.0	-32.3			
7144.938	31.4	33.0	0.0	37.4	5.8	0.0	V		0.0	41.6	74.0	-32.4			
8126.285	30.2	32.5	0.0	37.6	6.1	0.0	V		0.0	41.5	74.0	-32.5			
6893.805	31.5	33.0	0.0	37.0	5.8	0.0	V		0.0	41.2	74.0	-32.8			
6133.949	31.3	32.6	0.0	36.6	5.5	0.0	V		0.0	40.8	74.0	-33.2			
6066.191	31.1	32.5	0.0	36.7	5.4	0.0	H		0.0	40.7	74.0	-33.3			
6177.508	31.1	32.6	0.0	36.6	5.5	0.0	H		0.0	40.5	74.0	-33.5			
6608.254	31.3	32.9	0.0	36.3	5.6	0.0	V		0.0	40.4	74.0	-33.6			
6654.232	31.2	32.9	0.0	36.4	5.7	0.0	H		0.0	40.4	74.0	-33.6			
5819.359	31.0	32.4	0.0	36.5	5.2	0.0	H		0.0	40.3	74.0	-33.7			
4875.490	32.3	32.0	0.0	34.8	4.4	0.0	H		0.0	39.5	74.0	-34.5			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.01 09/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/08/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 43%											
Cust. Ref. No.:										Barometric Pressure: 30.3											
Tested by: Greg Kiemel										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC Part 15.209(a)										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																					
Dipole Antennas, Low Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)				Run #							
Evaluation										3				26							
Other										Tested By:											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
7234.014	35.8	33.0	0.0	37.5	5.9	0.0	H		0.0	46.1	74.0	-27.9									
9165.807	29.7	30.9	0.0	39.7	6.5	0.0	H		0.0	44.9	74.0	-29.1									
8922.734	29.2	31.0	0.0	39.8	6.4	0.0	V		0.0	44.4	74.0	-29.6									
9719.891	29.6	30.9	0.0	38.7	6.7	0.0	V		0.0	44.1	74.0	-29.9									
7634.102	31.3	32.8	0.0	37.7	6.0	0.0	H		0.0	42.2	74.0	-31.8									
7591.828	31.2	32.9	0.0	37.7	6.0	0.0	V		0.0	42.1	74.0	-31.9									
8286.320	30.2	32.2	0.0	37.7	6.2	0.0	V		0.0	41.9	74.0	-32.1									
8271.223	30.1	32.2	0.0	37.7	6.2	0.0	H		0.0	41.8	74.0	-32.2									
8133.834	30.4	32.5	0.0	37.6	6.1	0.0	H		0.0	41.7	74.0	-32.3									
6884.125	32.0	33.0	0.0	36.9	5.8	0.0	V		0.0	41.7	74.0	-32.3									
8111.188	30.3	32.5	0.0	37.6	6.1	0.0	V		0.0	41.5	74.0	-32.5									
6838.146	31.8	33.0	0.0	36.8	5.7	0.0	H		0.0	41.4	74.0	-32.6									
6588.895	31.8	32.9	0.0	36.3	5.6	0.0	V		0.0	40.9	74.0	-33.1									
5937.936	31.3	32.5	0.0	36.7	5.3	0.0	H		0.0	40.9	74.0	-33.1									
4825.002	33.8	32.0	0.0	34.6	4.4	0.0	H		0.0	40.8	74.0	-33.2									
6204.127	31.3	32.6	0.0	36.5	5.5	0.0	V		0.0	40.7	74.0	-33.3									
5821.779	31.3	32.4	0.0	36.5	5.2	0.0	H		0.0	40.6	74.0	-33.4									
6632.453	31.4	32.9	0.0	36.4	5.7	0.0	H		0.0	40.6	74.0	-33.4									
5836.299	31.2	32.4	0.0	36.5	5.3	0.0	V		0.0	40.6	74.0	-33.4									
4986.564	31.6	31.9	0.0	35.1	4.5	0.0	H		0.0	39.2	74.0	-34.8									

NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EMC													
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/08/02											
Customer: INTERMEC Corporation		Temperature: 72F											
Attendees: None		Humidity: 42%											
Cust. Ref. No.:		Barometric Pressure: 30.15											
Tested by: Dan Haas		Power: DC over LAN										Job Site: EV10	
TEST SPECIFICATIONS													
Specification: FCC 15.209										Year: Current 47CFR			
Method: ANSI C63.4										Year: 2000			
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													
Flat panel antennas, low channel.													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										1		28	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2419.336	77.5	0.0	0.0	30.3	1.4	0.0	V		0.0	109.2	83.5	25.7	
2413.222	76.5	0.0	0.0	30.3	1.4	0.0	V		0.0	108.2	83.5	24.7	
2420.355	63.8	0.0	0.0	30.3	1.4	0.0	H		0.0	95.5	83.5	12.0	
2416.789	63.0	0.0	0.0	30.3	1.4	0.0	H		0.0	94.7	83.5	11.2	
2426.469	59.1	0.0	0.0	30.3	1.4	0.0	V		0.0	90.9	83.5	7.4	
2410.165	57.5	0.0	0.0	30.3	1.4	0.0	H		0.0	89.2	83.5	5.7	
2403.541	47.8	0.0	0.0	30.3	1.4	0.0	V		0.0	79.5	83.5	-4.0	
2432.074	45.9	0.0	0.0	30.4	1.4	0.0	V		0.0	77.7	83.5	-5.8	
2398.955	40.3	0.0	0.0	30.3	1.4	0.0	V		0.0	72.0	83.5	-11.5	
2403.541	35.2	0.0	0.0	30.3	1.4	0.0	H		0.0	66.9	83.5	-16.6	
2431.565	26.4	0.0	0.0	30.4	1.4	0.0	H		0.0	58.2	83.5	-25.3	
2438.698	25.0	0.0	0.0	30.4	1.4	0.0	V		0.0	56.8	83.5	-26.7	
3714.509	20.2	0.0	0.0	33.5	1.7	0.0	V		0.0	55.4	83.5	-28.1	
3950.927	19.2	0.0	0.0	34.3	1.8	0.0	H		0.0	55.3	83.5	-28.2	
3435.131	20.2	0.0	0.0	32.6	1.6	0.0	H		0.0	54.5	83.5	-29.0	
2394.370	21.6	0.0	0.0	30.2	1.4	0.0	V		0.0	53.3	83.5	-30.2	
2377.555	21.2	0.0	0.0	30.2	1.4	0.0	V		0.0	52.8	83.5	-30.7	
2495.764	20.4	0.0	0.0	30.6	1.4	0.0	V		0.0	52.4	83.5	-31.1	
2500.860	19.5	0.0	0.0	30.6	1.4	0.0	V		0.0	51.5	83.5	-32.0	
2499.331	19.4	0.0	0.0	30.6	1.4	0.0	V		0.0	51.4	83.5	-32.1	

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20								Work Order: INMC0042							
Serial Number:								Date: 10/08/02							
Customer: INTERMEC Corporation								Temperature: 72F							
Attendees: None								Humidity: 42%							
Cust. Ref. No.:								Barometric Pressure: 30.15							
Tested by: Dan Haas						Power: DC over LAN		Job Site: EV10							
TEST SPECIFICATIONS															
Specification: FCC 15.209								Year: Current 47CFR							
Method: ANSI C63.4								Year: 2000							
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															
Yagi antennas, low channel.															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS								Test Distance (m)		Run #					
Evaluation								1		29					
Other								Tested By:							
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2415.260	72.1	0.0	0.0	30.3	1.4	0.0	V		0.0	103.8	83.5	20.3			
2408.636	63.8	0.0	0.0	30.3	1.4	0.0	V		0.0	95.5	83.5	12.0			
2418.317	60.6	0.0	0.0	30.3	1.4	0.0	H		0.0	92.3	83.5	8.8			
2423.922	57.3	0.0	0.0	30.3	1.4	0.0	V		0.0	89.1	83.5	5.6			
2419.846	47.5	0.0	0.0	30.3	1.4	0.0	V		0.0	79.2	83.5	-4.3			
2424.941	47.0	0.0	0.0	30.3	1.4	0.0	H		0.0	78.8	83.5	-4.7			
2462.136	25.4	0.0	0.0	30.5	1.4	0.0	V		0.0	57.3	83.5	-26.2			
2469.269	24.4	0.0	0.0	30.5	1.4	0.0	V		0.0	56.3	83.5	-27.2			
3858.703	20.2	0.0	0.0	34.0	1.7	0.0	V		0.0	56.0	83.5	-27.5			
3848.003	19.7	0.0	0.0	34.0	1.7	0.0	H		0.0	55.4	83.5	-28.1			
2430.036	23.1	0.0	0.0	30.4	1.4	0.0	H		0.0	54.9	83.5	-28.6			
2368.384	22.6	0.0	0.0	30.2	1.4	0.0	V		0.0	54.2	83.5	-29.3			
2372.970	22.3	0.0	0.0	30.2	1.4	0.0	V		0.0	53.9	83.5	-29.6			
2387.746	22.0	0.0	0.0	30.2	1.4	0.0	V		0.0	53.6	83.5	-29.9			
2342.398	21.8	0.0	0.0	30.1	1.4	0.0	V		0.0	53.3	83.5	-30.2			
2349.532	21.4	0.0	0.0	30.1	1.4	0.0	V		0.0	52.9	83.5	-30.6			
2486.593	20.1	0.0	0.0	30.6	1.4	0.0	V		0.0	52.1	83.5	-31.4			
2297.051	20.1	0.0	0.0	29.9	1.4	0.0	V		0.0	51.4	83.5	-32.1			
2286.861	20.0	0.0	0.0	29.9	1.4	0.0	V		0.0	51.3	83.5	-32.2			
2597.828	19.0	0.0	0.0	30.8	1.5	0.0	H		0.0	51.2	83.5	-32.3			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/08/02													
Customer: INTERMEC Corporation		Temperature: 72F													
Attendees: None		Humidity: 42%													
Cust. Ref. No.:		Barometric Pressure: 30.15													
Tested by: Dan Haas		Power: DC over LAN		Job Site: EV10											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Omni antennas, low channel.															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		30	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2418.317	63.3	0.0	0.0	30.3	1.4	0.0	H		0.0	95.0	83.5	11.5			
2416.279	63.3	0.0	0.0	30.3	1.4	0.0	H		0.0	95.0	83.5	11.5			
2413.731	60.8	0.0	0.0	30.3	1.4	0.0	V		0.0	92.5	83.5	9.0			
2418.317	59.9	0.0	0.0	30.3	1.4	0.0	V		0.0	91.6	83.5	8.1			
2410.674	58.9	0.0	0.0	30.3	1.4	0.0	H		0.0	90.6	83.5	7.1			
2425.450	56.9	0.0	0.0	30.3	1.4	0.0	H		0.0	88.7	83.5	5.2			
2412.712	56.4	0.0	0.0	30.3	1.4	0.0	H		0.0	88.1	83.5	4.6			
2423.922	54.5	0.0	0.0	30.3	1.4	0.0	H		0.0	86.3	83.5	2.8			
2430.546	38.7	0.0	0.0	30.4	1.4	0.0	H		0.0	70.5	83.5	-13.0			
2402.522	26.2	0.0	0.0	30.3	1.4	0.0	V		0.0	57.9	83.5	-25.6			
4000.350	19.4	0.0	0.0	34.5	1.8	0.0	V		0.0	55.7	83.5	-27.8			
3992.707	19.3	0.0	0.0	34.5	1.8	0.0	H		0.0	55.5	83.5	-28.0			
2399.974	22.7	0.0	0.0	30.3	1.4	0.0	H		0.0	54.4	83.5	-29.1			
3417.298	19.8	0.0	0.0	32.6	1.6	0.0	V		0.0	54.0	83.5	-29.5			
2990.160	19.4	0.0	0.0	31.5	1.5	0.0	V		0.0	52.4	83.5	-31.1			
2492.707	20.4	0.0	0.0	30.6	1.4	0.0	H		0.0	52.4	83.5	-31.1			
2495.255	19.4	0.0	0.0	30.6	1.4	0.0	H		0.0	51.4	83.5	-32.1			
2604.961	19.0	0.0	0.0	30.8	1.5	0.0	V		0.0	51.3	83.5	-32.2			
2440.736	18.9	0.0	0.0	30.4	1.4	0.0	H		0.0	50.7	83.5	-32.8			
1154.382	21.6	0.0	0.0	25.3	1.1	0.0	V		0.0	48.0	83.5	-35.5			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20								Work Order: INMC0042							
Serial Number:								Date: 10/08/02							
Customer: INTERMEC Corporation								Temperature: 72F							
Attendees: None								Humidity: 42%							
Cust. Ref. No.:								Barometric Pressure: 30.15							
Tested by: Dan Haas						Power: DC over LAN		Job Site: EV10							
TEST SPECIFICATIONS															
Specification: FCC 15.209								Year: Current 47CFR							
Method: ANSI C63.4								Year: 2000							
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															
Dipole antennas, low channel.															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS								Test Distance (m)		Run #					
Evaluation								1		31					
Other								Tested By:							
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2415.260	62.5	0.0	0.0	30.3	1.4	0.0	V		0.0	94.2	83.5	10.7			
2419.336	61.6	0.0	0.0	30.3	1.4	0.0	V		0.0	93.3	83.5	9.8			
2415.770	59.8	0.0	0.0	30.3	1.4	0.0	H		0.0	91.5	83.5	8.0			
2420.865	59.0	0.0	0.0	30.3	1.4	0.0	H		0.0	90.8	83.5	7.3			
2423.922	58.6	0.0	0.0	30.3	1.4	0.0	V		0.0	90.4	83.5	6.9			
2411.184	57.1	0.0	0.0	30.3	1.4	0.0	V		0.0	88.8	83.5	5.3			
2424.431	53.4	0.0	0.0	30.3	1.4	0.0	H		0.0	85.2	83.5	1.7			
2411.184	44.0	0.0	0.0	30.3	1.4	0.0	H		0.0	75.7	83.5	-7.8			
2432.074	40.5	0.0	0.0	30.4	1.4	0.0	V		0.0	72.3	83.5	-11.2			
2433.093	29.6	0.0	0.0	30.4	1.4	0.0	H		0.0	61.4	83.5	-22.1			
2402.012	27.9	0.0	0.0	30.3	1.4	0.0	H		0.0	59.6	83.5	-23.9			
2404.051	26.6	0.0	0.0	30.3	1.4	0.0	V		0.0	58.3	83.5	-25.2			
2399.974	25.6	0.0	0.0	30.3	1.4	0.0	V		0.0	57.3	83.5	-26.2			
3920.355	19.5	0.0	0.0	34.2	1.8	0.0	V		0.0	55.5	83.5	-28.0			
3970.288	19.3	0.0	0.0	34.4	1.8	0.0	H		0.0	55.5	83.5	-28.0			
2436.150	19.3	0.0	0.0	30.4	1.4	0.0	V		0.0	51.1	83.5	-32.4			
1154.382	21.8	0.0	0.0	25.3	1.1	0.0	V		0.0	48.2	83.5	-35.3			
1536.176	18.3	0.0	0.0	26.8	1.2	0.0	V		0.0	46.3	83.5	-37.2			
1153.873	18.3	0.0	0.0	25.3	1.1	0.0	H		0.0	44.7	83.5	-38.8			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/08/02											
Customer: INTERMEC Corporation		Temperature: 72F											
Attendees: None		Humidity: 42%											
Cust. Ref. No.:		Barometric Pressure: 30.15											
Tested by: Dan Haas		Power: DC over LAN					Job Site: EV10						
TEST SPECIFICATIONS													
Specification: FCC 15.209										Year: Current 47CFR			
Method: ANSI C63.4										Year: 2000			
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													
Dipole antennas, mid channel.													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										1		32	
Other													
										Tested By: _____			
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2441.246	64.5	0.0	0.0	30.4	1.4	0.0	V		0.0	96.3	83.5	12.8	
2444.812	63.8	0.0	0.0	30.4	1.4	0.0	V		0.0	95.6	83.5	12.1	
2443.793	62.6	0.0	0.0	30.4	1.4	0.0	H		0.0	94.4	83.5	10.9	
2442.265	62.6	0.0	0.0	30.4	1.4	0.0	H		0.0	94.4	83.5	10.9	
2449.398	61.8	0.0	0.0	30.4	1.4	0.0	V		0.0	93.7	83.5	10.2	
2438.188	56.5	0.0	0.0	30.4	1.4	0.0	H		0.0	88.3	83.5	4.8	
2450.417	45.7	0.0	0.0	30.4	1.4	0.0	H		0.0	77.6	83.5	-5.9	
2427.998	29.3	0.0	0.0	30.4	1.4	0.0	V		0.0	61.1	83.5	-22.4	
2429.017	29.2	0.0	0.0	30.4	1.4	0.0	H		0.0	61.0	83.5	-22.5	
2455.512	26.1	0.0	0.0	30.4	1.4	0.0	V		0.0	58.0	83.5	-25.5	
3909.655	19.6	0.0	0.0	34.2	1.8	0.0	V		0.0	55.5	83.5	-28.0	
3900.484	19.6	0.0	0.0	34.2	1.8	0.0	H		0.0	55.5	83.5	-28.0	
2461.626	23.6	0.0	0.0	30.5	1.4	0.0	V		0.0	55.5	83.5	-28.0	
2457.550	22.6	0.0	0.0	30.5	1.4	0.0	H		0.0	54.5	83.5	-29.0	
2430.036	22.2	0.0	0.0	30.4	1.4	0.0	V		0.0	54.0	83.5	-29.5	
2424.431	19.7	0.0	0.0	30.3	1.4	0.0	H		0.0	51.5	83.5	-32.0	
2630.438	19.0	0.0	0.0	30.8	1.5	0.0	V		0.0	51.3	83.5	-32.2	
1153.873	22.4	0.0	0.0	25.3	1.1	0.0	V		0.0	48.8	83.5	-34.7	
1535.667	18.4	0.0	0.0	26.8	1.2	0.0	V		0.0	46.4	83.5	-37.1	
1153.873	18.2	0.0	0.0	25.3	1.1	0.0	H		0.0	44.6	83.5	-38.9	

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20								Work Order: INMC0042							
Serial Number:								Date: 10/08/02							
Customer: INTERMEC Corporation								Temperature: 72F							
Attendees: None								Humidity: 42%							
Cust. Ref. No.:								Barometric Pressure: 30.15							
Tested by: Dan Haas						Power: DC over LAN		Job Site: EV10							
TEST SPECIFICATIONS															
Specification: FCC 15.209								Year: Current 47CFR							
Method: ANSI C63.4								Year: 2000							
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															
Omni antennas, mid channel.															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS								Test Distance (m)		Run #					
Evaluation								1		33					
Other								Tested By:							
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2447.360	67.7	0.0	0.0	30.4	1.4	0.0	H		0.0	99.5	83.5	16.0			
2440.736	61.6	0.0	0.0	30.4	1.4	0.0	H		0.0	93.4	83.5	9.9			
2440.736	53.6	0.0	0.0	30.4	1.4	0.0	V		0.0	85.4	83.5	1.9			
2443.793	51.2	0.0	0.0	30.4	1.4	0.0	V		0.0	83.0	83.5	-0.5			
2436.660	46.9	0.0	0.0	30.4	1.4	0.0	V		0.0	78.7	83.5	-4.8			
2450.417	43.8	0.0	0.0	30.4	1.4	0.0	V		0.0	75.7	83.5	-7.8			
2458.060	32.6	0.0	0.0	30.5	1.4	0.0	H		0.0	64.5	83.5	-19.0			
2427.998	30.3	0.0	0.0	30.4	1.4	0.0	V		0.0	62.1	83.5	-21.4			
2427.998	29.5	0.0	0.0	30.4	1.4	0.0	H		0.0	61.3	83.5	-22.2			
2432.584	26.8	0.0	0.0	30.4	1.4	0.0	V		0.0	58.6	83.5	-24.9			
2456.022	24.0	0.0	0.0	30.5	1.4	0.0	V		0.0	55.9	83.5	-27.6			
3849.022	20.0	0.0	0.0	34.0	1.7	0.0	H		0.0	55.7	83.5	-27.8			
4001.369	19.1	0.0	0.0	34.5	1.8	0.0	V		0.0	55.4	83.5	-28.1			
2453.474	22.1	0.0	0.0	30.4	1.4	0.0	V		0.0	54.0	83.5	-29.5			
2424.431	20.5	0.0	0.0	30.3	1.4	0.0	V		0.0	52.3	83.5	-31.2			
2460.607	19.8	0.0	0.0	30.5	1.4	0.0	V		0.0	51.7	83.5	-31.8			
2559.614	19.2	0.0	0.0	30.7	1.5	0.0	V		0.0	51.4	83.5	-32.1			
2501.369	19.2	0.0	0.0	30.6	1.4	0.0	H		0.0	51.2	83.5	-32.3			
1153.873	22.1	0.0	0.0	25.3	1.1	0.0	V		0.0	48.5	83.5	-35.0			
1535.667	18.4	0.0	0.0	26.8	1.2	0.0	V		0.0	46.4	83.5	-37.1			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/08/02													
Customer: INTERMEC Corporation		Temperature: 72F													
Attendees: None		Humidity: 42%													
Cust. Ref. No.:		Barometric Pressure: 30.15													
Tested by: Dan Haas		Power: DC over LAN		Job Site: EV10											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Yagi antennas, mid channel.															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		34	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2447.869	76.8	0.0	0.0	30.4	1.4	0.0	V		0.0	108.6	83.5	25.1			
2441.755	76.1	0.0	0.0	30.4	1.4	0.0	V		0.0	107.9	83.5	24.4			
2435.641	72.4	0.0	0.0	30.4	1.4	0.0	V		0.0	104.2	83.5	20.7			
2441.755	61.2	0.0	0.0	30.4	1.4	0.0	H		0.0	93.0	83.5	9.5			
2449.907	51.8	0.0	0.0	30.4	1.4	0.0	H		0.0	83.7	83.5	0.2			
2457.550	47.6	0.0	0.0	30.5	1.4	0.0	V		0.0	79.5	83.5	-4.0			
2437.679	45.0	0.0	0.0	30.4	1.4	0.0	H		0.0	76.8	83.5	-6.7			
2424.941	41.1	0.0	0.0	30.3	1.4	0.0	V		0.0	72.9	83.5	-10.6			
2461.626	37.7	0.0	0.0	30.5	1.4	0.0	V		0.0	69.6	83.5	-13.9			
2417.298	27.3	0.0	0.0	30.3	1.4	0.0	V		0.0	59.0	83.5	-24.5			
2469.269	25.6	0.0	0.0	30.5	1.4	0.0	V		0.0	57.5	83.5	-26.0			
3713.999	20.7	0.0	0.0	33.5	1.7	0.0	V		0.0	55.9	83.5	-27.6			
3996.274	19.3	0.0	0.0	34.5	1.8	0.0	H		0.0	55.6	83.5	-27.9			
3414.241	20.5	0.0	0.0	32.6	1.6	0.0	V		0.0	54.7	83.5	-28.8			
3409.146	20.2	0.0	0.0	32.6	1.6	0.0	H		0.0	54.4	83.5	-29.1			
2502.898	21.7	0.0	0.0	30.6	1.4	0.0	V		0.0	53.7	83.5	-29.8			
2522.928	21.6	0.0	0.0	30.6	1.4	0.0	V		0.0	53.7	83.5	-29.8			
2503.917	21.5	0.0	0.0	30.6	1.4	0.0	V		0.0	53.5	83.5	-30.0			
2394.879	21.8	0.0	0.0	30.2	1.4	0.0	V		0.0	53.5	83.5	-30.0			
2503.407	21.1	0.0	0.0	30.6	1.4	0.0	V		0.0	53.1	83.5	-30.4			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042					
Serial Number:										Date: 10/08/02					
Customer: INTERMEC Corporation										Temperature: 72F					
Attendees: None										Humidity: 42%					
Cust. Ref. No.:										Barometric Pressure: 30.15					
Tested by: Dan Haas										Power: DC over LAN				Job Site: EV10	
TEST SPECIFICATIONS															
Specification: FCC 15.209										Year: Current 47CFR					
Method: ANSI C63.4										Year: 2000					
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															
Flat panel antennas, mid channel.															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS										Test Distance (m)		Run #			
Evaluation										1		35			
Other															
										Tested By: _____					
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2440.227	76.6	0.0	0.0	30.4	1.4	0.0	V		0.0	108.4	83.5	24.9			
2449.907	69.0	0.0	0.0	30.4	1.4	0.0	V		0.0	100.9	83.5	17.4			
2446.341	60.5	0.0	0.0	30.4	1.4	0.0	H		0.0	92.3	83.5	8.8			
2442.265	59.7	0.0	0.0	30.4	1.4	0.0	H		0.0	91.5	83.5	8.0			
2449.398	56.5	0.0	0.0	30.4	1.4	0.0	H		0.0	88.4	83.5	4.9			
2436.150	55.4	0.0	0.0	30.4	1.4	0.0	H		0.0	87.2	83.5	3.7			
2429.017	47.8	0.0	0.0	30.4	1.4	0.0	V		0.0	79.6	83.5	-3.9			
2456.022	42.4	0.0	0.0	30.5	1.4	0.0	V		0.0	74.3	83.5	-9.2			
2461.626	41.7	0.0	0.0	30.5	1.4	0.0	V		0.0	73.6	83.5	-9.9			
2457.550	41.3	0.0	0.0	30.5	1.4	0.0	V		0.0	73.2	83.5	-10.3			
2457.550	32.8	0.0	0.0	30.5	1.4	0.0	H		0.0	64.7	83.5	-18.8			
2423.922	26.2	0.0	0.0	30.3	1.4	0.0	V		0.0	58.0	83.5	-25.5			
3991.688	19.7	0.0	0.0	34.5	1.8	0.0	V		0.0	55.9	83.5	-27.6			
3815.903	20.3	0.0	0.0	33.9	1.7	0.0	H		0.0	55.9	83.5	-27.6			
2469.779	23.7	0.0	0.0	30.5	1.4	0.0	V		0.0	55.6	83.5	-27.9			
2487.103	22.3	0.0	0.0	30.6	1.4	0.0	V		0.0	54.3	83.5	-29.2			
2483.536	22.0	0.0	0.0	30.5	1.4	0.0	V		0.0	54.0	83.5	-29.5			
2399.974	21.5	0.0	0.0	30.3	1.4	0.0	V		0.0	53.2	83.5	-30.3			
2416.789	21.4	0.0	0.0	30.3	1.4	0.0	V		0.0	53.1	83.5	-30.4			
2509.012	20.5	0.0	0.0	30.6	1.4	0.0	V		0.0	52.6	83.5	-30.9			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042					
Serial Number:										Date: 10/09/02					
Customer: INTERMEC Corporation										Temperature: 75					
Attendees: none										Humidity: 43%					
Cust. Ref. No.:										Barometric Pressure: 30.3					
Tested by: Greg Kiemel										Power: DC power on Enet				Job Site: EV01	
TEST SPECIFICATIONS															
Specification: FCC 15.209										Year: Current 47CFR					
Method: ANSI C63.4										Year: 2000					
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															
Flat Panel Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS										Test Distance (m)		Run #			
Evaluation										1		36			
Other															
										Tested By:					
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2466.212	83.3	0.0	0.0	30.5	1.4	0.0	V		0.0	115.2	83.5	31.7			
2463.155	79.8	0.0	0.0	30.5	1.4	0.0	V		0.0	111.7	83.5	28.2			
2466.212	63.9	0.0	0.0	30.5	1.4	0.0	H		0.0	95.8	83.5	12.3			
2452.965	54.2	0.0	0.0	30.4	1.4	0.0	V		0.0	86.1	83.5	2.6			
2471.307	53.6	0.0	0.0	30.5	1.4	0.0	H		0.0	85.5	83.5	2.0			
2483.026	50.5	0.0	0.0	30.5	1.4	0.0	V		0.0	82.5	83.5	-1.0			
2486.593	41.9	0.0	0.0	30.6	1.4	0.0	V		0.0	73.9	83.5	-9.6			
2459.079	38.1	0.0	0.0	30.5	1.4	0.0	H		0.0	70.0	83.5	-13.5			
2441.755	28.9	0.0	0.0	30.4	1.4	0.0	V		0.0	60.7	83.5	-22.8			
2494.236	28.3	0.0	0.0	30.6	1.4	0.0	V		0.0	60.3	83.5	-23.2			
2477.931	25.2	0.0	0.0	30.5	1.4	0.0	H		0.0	57.2	83.5	-26.3			
2411.693	24.3	0.0	0.0	30.3	1.4	0.0	V		0.0	56.0	83.5	-27.5			
3784.313	20.4	0.0	0.0	33.8	1.7	0.0	V		0.0	55.9	83.5	-27.6			
2397.427	23.9	0.0	0.0	30.3	1.4	0.0	V		0.0	55.6	83.5	-27.9			
3797.561	20.0	0.0	0.0	33.8	1.7	0.0	H		0.0	55.5	83.5	-28.0			
2415.770	23.8	0.0	0.0	30.3	1.4	0.0	V		0.0	55.5	83.5	-28.0			
2430.036	23.6	0.0	0.0	30.4	1.4	0.0	V		0.0	55.4	83.5	-28.1			
2505.955	23.3	0.0	0.0	30.6	1.4	0.0	V		0.0	55.3	83.5	-28.2			
2381.122	23.4	0.0	0.0	30.2	1.4	0.0	V		0.0	55.0	83.5	-28.5			
2502.898	22.8	0.0	0.0	30.6	1.4	0.0	V		0.0	54.8	83.5	-28.7			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/09/02											
Customer: INTERMEC Corporation		Temperature: 75											
Attendees: none		Humidity: 43%											
Cust. Ref. No.:		Barometric Pressure: 30.3											
Tested by: Greg Kiemel		Power: DC power on Enet				Job Site: EV01							
TEST SPECIFICATIONS													
Specification: FCC 15.209										Year: Current 47CFR			
Method: ANSI C63.4										Year: 2000			
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													
Omni Antennas, High Channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										1		37	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
2470.288	65.1	0.0	0.0	30.5	1.4	0.0	H		0.0	97.0	83.5	13.5	
2465.703	60.2	0.0	0.0	30.5	1.4	0.0	V		0.0	92.1	83.5	8.6	
2474.874	58.7	0.0	0.0	30.5	1.4	0.0	H		0.0	90.6	83.5	7.1	
2469.779	58.6	0.0	0.0	30.5	1.4	0.0	V		0.0	90.5	83.5	7.0	
2466.722	58.6	0.0	0.0	30.5	1.4	0.0	V		0.0	90.5	83.5	7.0	
2471.817	57.2	0.0	0.0	30.5	1.4	0.0	V		0.0	89.1	83.5	5.6	
2461.626	51.2	0.0	0.0	30.5	1.4	0.0	V		0.0	83.1	83.5	-0.4	
2452.965	35.6	0.0	0.0	30.4	1.4	0.0	H		0.0	67.5	83.5	-16.0	
2454.493	34.8	0.0	0.0	30.4	1.4	0.0	V		0.0	66.7	83.5	-16.8	
2482.517	32.9	0.0	0.0	30.5	1.4	0.0	H		0.0	64.9	83.5	-18.6	
2457.550	31.1	0.0	0.0	30.5	1.4	0.0	H		0.0	63.0	83.5	-20.5	
2457.550	28.9	0.0	0.0	30.5	1.4	0.0	V		0.0	60.8	83.5	-22.7	
2482.517	27.4	0.0	0.0	30.5	1.4	0.0	V		0.0	59.4	83.5	-24.1	
3774.123	20.2	0.0	0.0	33.7	1.7	0.0	H		0.0	55.7	83.5	-27.8	
4003.407	19.3	0.0	0.0	34.5	1.8	0.0	V		0.0	55.6	83.5	-27.9	
2494.236	23.5	0.0	0.0	30.6	1.4	0.0	H		0.0	55.5	83.5	-28.0	
2489.650	21.3	0.0	0.0	30.6	1.4	0.0	H		0.0	53.3	83.5	-30.2	
2635.023	19.3	0.0	0.0	30.8	1.5	0.0	V		0.0	51.6	83.5	-31.9	
1153.873	21.5	0.0	0.0	25.3	1.1	0.0	V		0.0	47.9	83.5	-35.6	
1535.667	18.2	0.0	0.0	26.8	1.2	0.0	V		0.0	46.2	83.5	-37.3	

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/09/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 43%													
Cust. Ref. No.:		Barometric Pressure: 30.3													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Yagi Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		38	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2471.817	76.0	0.0	0.0	30.5	1.4	0.0	H		0.0	107.9	83.5	24.4			
2465.193	65.4	0.0	0.0	30.5	1.4	0.0	H		0.0	97.3	83.5	13.8			
2463.155	58.4	0.0	0.0	30.5	1.4	0.0	V		0.0	90.3	83.5	6.8			
2472.836	53.6	0.0	0.0	30.5	1.4	0.0	V		0.0	85.5	83.5	2.0			
2453.984	29.0	0.0	0.0	30.4	1.4	0.0	H		0.0	60.9	83.5	-22.6			
2483.026	27.6	0.0	0.0	30.5	1.4	0.0	H		0.0	59.6	83.5	-23.9			
2497.293	24.2	0.0	0.0	30.6	1.4	0.0	H		0.0	56.2	83.5	-27.3			
3889.784	19.7	0.0	0.0	34.1	1.8	0.0	H		0.0	55.6	83.5	-27.9			
3871.441	19.7	0.0	0.0	34.1	1.7	0.0	V		0.0	55.5	83.5	-28.0			
2477.931	21.4	0.0	0.0	30.5	1.4	0.0	V		0.0	53.4	83.5	-30.1			
2403.031	21.0	0.0	0.0	30.3	1.4	0.0	H		0.0	52.7	83.5	-30.8			
2452.455	20.5	0.0	0.0	30.4	1.4	0.0	V		0.0	52.4	83.5	-31.1			
2432.074	20.4	0.0	0.0	30.4	1.4	0.0	H		0.0	52.2	83.5	-31.3			
2572.862	19.3	0.0	0.0	30.7	1.5	0.0	H		0.0	51.5	83.5	-32.0			
2380.613	19.8	0.0	0.0	30.2	1.4	0.0	H		0.0	51.4	83.5	-32.1			
1153.873	21.5	0.0	0.0	25.3	1.1	0.0	V		0.0	47.9	83.5	-35.6			
1036.173	21.0	0.0	0.0	24.8	1.1	0.0	H		0.0	46.9	83.5	-36.6			
1048.402	20.6	0.0	0.0	24.9	1.1	0.0	H		0.0	46.6	83.5	-36.9			
1535.667	18.4	0.0	0.0	26.8	1.2	0.0	V		0.0	46.4	83.5	-37.1			
1025.473	19.5	0.0	0.0	24.8	1.1	0.0	H		0.0	45.4	83.5	-38.1			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20								Work Order: INMC0042							
Serial Number:								Date: 10/09/02							
Customer: INTERMEC Corporation								Temperature: 75							
Attendees: none								Humidity: 43%							
Cust. Ref. No.:								Barometric Pressure: 30.3							
Tested by: Greg Kiemel						Power: DC power on Enet		Job Site: EV01							
TEST SPECIFICATIONS															
Specification: FCC 15.209								Year: Current 47CFR							
Method: ANSI C63.4								Year: 2000							
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															
Dipole Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS								Test Distance (m)		Run #					
Evaluation								1		39					
Other								Tested By:							
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
2468.760	69.9	0.0	0.0	30.5	1.4	0.0	V		0.0	101.8	83.5	18.3			
2465.193	69.1	0.0	0.0	30.5	1.4	0.0	V		0.0	101.0	83.5	17.5			
2467.231	65.0	0.0	0.0	30.5	1.4	0.0	H		0.0	96.9	83.5	13.4			
2474.365	59.2	0.0	0.0	30.5	1.4	0.0	H		0.0	91.1	83.5	7.6			
2464.174	57.3	0.0	0.0	30.5	1.4	0.0	H		0.0	89.2	83.5	5.7			
2476.403	57.2	0.0	0.0	30.5	1.4	0.0	V		0.0	89.2	83.5	5.7			
2460.607	49.4	0.0	0.0	30.5	1.4	0.0	H		0.0	81.3	83.5	-2.2			
2458.060	41.5	0.0	0.0	30.5	1.4	0.0	V		0.0	73.4	83.5	-10.1			
2452.965	40.3	0.0	0.0	30.4	1.4	0.0	V		0.0	72.2	83.5	-11.3			
2483.026	35.5	0.0	0.0	30.5	1.4	0.0	V		0.0	67.5	83.5	-16.0			
2452.965	28.7	0.0	0.0	30.4	1.4	0.0	H		0.0	60.6	83.5	-22.9			
2487.103	25.3	0.0	0.0	30.6	1.4	0.0	V		0.0	57.3	83.5	-26.2			
3955.003	19.8	0.0	0.0	34.3	1.8	0.0	V		0.0	55.9	83.5	-27.6			
3978.441	19.5	0.0	0.0	34.4	1.8	0.0	H		0.0	55.7	83.5	-27.8			
2483.536	23.0	0.0	0.0	30.5	1.4	0.0	H		0.0	55.0	83.5	-28.5			
2441.755	19.7	0.0	0.0	30.4	1.4	0.0	V		0.0	51.5	83.5	-32.0			
1154.382	21.0	0.0	0.0	25.3	1.1	0.0	V		0.0	47.4	83.5	-36.1			
1049.421	18.8	0.0	0.0	24.9	1.1	0.0	V		0.0	44.8	83.5	-38.7			
1049.421	18.7	0.0	0.0	24.9	1.1	0.0	H		0.0	44.7	83.5	-38.8			
1039.740	18.5	0.0	0.0	24.9	1.1	0.0	H		0.0	44.5	83.5	-39.0			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/09/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 43%											
Cust. Ref. No.:										Barometric Pressure: 30.3											
Tested by: Greg Kiemel										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Dipole Antennas, High Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)		Run #									
Evaluation										1		40									
Other										Tested By:											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
17502.190	31.1	34.7	0.0	44.7	6.0	0.0	H		0.0	47.2	83.5	-36.3									
17601.060	30.8	34.7	0.0	44.8	6.0	0.0	V		0.0	46.9	83.5	-36.6									
17930.630	30.4	34.9	0.0	45.2	6.1	0.0	V		0.0	46.8	83.5	-36.7									
17879.700	30.2	34.8	0.0	45.2	6.1	0.0	H		0.0	46.6	83.5	-36.9									
13565.820	32.5	34.7	0.0	40.8	4.9	0.0	V		0.0	43.5	83.5	-40.0									
13681.180	32.1	34.6	0.0	40.9	4.9	0.0	H		0.0	43.3	83.5	-40.2									
13839.170	31.8	34.6	0.0	41.1	5.0	0.0	H		0.0	43.3	83.5	-40.2									
14167.700	30.8	34.4	0.0	41.0	5.1	0.0	V		0.0	42.4	83.5	-41.1									
14112.520	30.7	34.5	0.0	41.1	5.0	0.0	H		0.0	42.4	83.5	-41.1									
14340.730	30.9	34.4	0.0	40.8	5.1	0.0	H		0.0	42.4	83.5	-41.1									
15104.900	31.7	34.2	0.0	39.2	5.3	0.0	V		0.0	42.1	83.5	-41.4									
14506.250	30.8	34.3	0.0	40.5	5.2	0.0	V		0.0	42.1	83.5	-41.4									
14410.950	30.7	34.4	0.0	40.6	5.1	0.0	H		0.0	42.1	83.5	-41.4									
13227.270	31.9	34.8	0.0	40.2	4.8	0.0	V		0.0	42.1	83.5	-41.4									
14736.970	30.4	34.3	0.0	40.1	5.2	0.0	V		0.0	41.4	83.5	-42.1									
15143.860	31.1	34.2	0.0	39.1	5.3	0.0	H		0.0	41.4	83.5	-42.1									
15866.150	31.1	33.9	0.0	37.7	5.6	0.0	V		0.0	40.4	83.5	-43.1									
15581.430	31.1	34.0	0.0	37.9	5.5	0.0	H		0.0	40.4	83.5	-43.1									
15578.430	31.1	34.0	0.0	37.9	5.5	0.0	V		0.0	40.4	83.5	-43.1									
10526.640	33.1	35.2	0.0	38.3	4.1	0.0	H		0.0	40.3	83.5	-43.2									

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/09/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 43%													
Cust. Ref. No.:		Barometric Pressure: 30.3													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Yagi Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		41	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17619.040	30.7	34.7	0.0	44.8	6.0	0.0	H		0.0	46.9	83.5	-36.6			
17855.730	30.3	34.8	0.0	45.1	6.1	0.0	H		0.0	46.7	83.5	-36.8			
17517.170	30.5	34.7	0.0	44.7	6.0	0.0	V		0.0	46.6	83.5	-36.9			
17082.740	30.3	34.4	0.0	41.8	5.9	0.0	H		0.0	43.6	83.5	-39.9			
16627.330	31.5	34.2	0.0	40.3	5.8	0.0	V		0.0	43.4	83.5	-40.1			
13771.460	32.0	34.6	0.0	41.0	5.0	0.0	V		0.0	43.4	83.5	-40.1			
13889.330	31.5	34.5	0.0	41.2	5.0	0.0	H		0.0	43.1	83.5	-40.4			
16717.210	31.0	34.3	0.0	40.5	5.8	0.0	V		0.0	43.1	83.5	-40.4			
14127.570	30.8	34.5	0.0	41.1	5.0	0.0	H		0.0	42.5	83.5	-41.0			
13164.570	32.3	34.9	0.0	40.0	4.8	0.0	V		0.0	42.3	83.5	-41.2			
13182.130	32.2	34.9	0.0	40.1	4.8	0.0	H		0.0	42.2	83.5	-41.3			
14415.970	30.6	34.4	0.0	40.6	5.1	0.0	V		0.0	42.0	83.5	-41.5			
15155.850	31.7	34.2	0.0	39.1	5.3	0.0	V		0.0	42.0	83.5	-41.5			
14365.810	30.5	34.4	0.0	40.7	5.1	0.0	H		0.0	41.9	83.5	-41.6			
15143.860	31.6	34.2	0.0	39.1	5.3	0.0	H		0.0	41.9	83.5	-41.6			
14518.790	30.5	34.3	0.0	40.5	5.2	0.0	H		0.0	41.8	83.5	-41.7			
16300.730	30.9	34.1	0.0	39.0	5.7	0.0	H		0.0	41.6	83.5	-41.9			
14719.410	30.3	34.3	0.0	40.1	5.2	0.0	V		0.0	41.3	83.5	-42.2			
14734.460	30.3	34.3	0.0	40.1	5.2	0.0	H		0.0	41.3	83.5	-42.2			
10526.640	33.9	35.2	0.0	38.3	4.1	0.0	V		0.0	41.1	83.5	-42.4			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/10/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.01													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Omni Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		42	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17927.630	29.9	34.9	0.0	45.2	6.1	0.0	V		0.0	46.3	83.5	-37.2			
17574.100	30.2	34.7	0.0	44.8	6.0	0.0	V		0.0	46.3	83.5	-37.2			
17568.100	30.1	34.7	0.0	44.8	6.0	0.0	H		0.0	46.2	83.5	-37.3			
13618.480	32.5	34.7	0.0	40.8	4.9	0.0	H		0.0	43.6	83.5	-39.9			
13814.090	31.8	34.6	0.0	41.1	5.0	0.0	H		0.0	43.3	83.5	-40.2			
13631.020	32.1	34.7	0.0	40.9	4.9	0.0	V		0.0	43.2	83.5	-40.3			
13773.970	31.6	34.6	0.0	41.0	5.0	0.0	V		0.0	43.0	83.5	-40.5			
10526.640	35.7	35.2	0.0	38.3	4.1	0.0	H		0.0	42.9	83.5	-40.6			
15143.860	32.0	34.2	0.0	39.1	5.3	0.0	V		0.0	42.3	83.5	-41.2			
14135.090	30.4	34.5	0.0	41.1	5.0	0.0	H		0.0	42.1	83.5	-41.4			
15158.840	31.8	34.2	0.0	39.1	5.3	0.0	H		0.0	42.1	83.5	-41.4			
14400.920	30.3	34.4	0.0	40.7	5.1	0.0	H		0.0	41.7	83.5	-41.8			
16300.730	30.8	34.1	0.0	39.0	5.7	0.0	H		0.0	41.5	83.5	-42.0			
16327.700	30.6	34.1	0.0	39.2	5.7	0.0	V		0.0	41.4	83.5	-42.1			
14496.220	30.1	34.4	0.0	40.5	5.1	0.0	V		0.0	41.4	83.5	-42.1			
14729.450	30.2	34.3	0.0	40.1	5.2	0.0	H		0.0	41.2	83.5	-42.3			
10589.340	33.9	35.2	0.0	38.2	4.1	0.0	H		0.0	41.1	83.5	-42.4			
14950.130	30.2	34.2	0.0	39.7	5.3	0.0	H		0.0	41.0	83.5	-42.5			
15911.110	31.2	33.9	0.0	37.7	5.6	0.0	H		0.0	40.5	83.5	-43.0			
15521.490	31.1	34.0	0.0	37.9	5.5	0.0	V		0.0	40.4	83.5	-43.1			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20								Work Order: INMC0042							
Serial Number:								Date: 10/10/02							
Customer: INTERMEC Corporation								Temperature: 75							
Attendees: none								Humidity: 38%							
Cust. Ref. No.:								Barometric Pressure: 30.01							
Tested by: Greg Kiemel						Power: DC power on Enet		Job Site: EV01							
TEST SPECIFICATIONS															
Specification: FCC 15.209								Year: Current 47CFR							
Method: ANSI C63.4								Year: 2000							
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															
Flat Panel Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS								Test Distance (m)		Run #					
Evaluation								1		43					
Other								Tested By:							
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17616.040	30.4	34.7	0.0	44.8	6.0	0.0	V		0.0	46.6	83.5	-36.9			
17951.600	30.0	34.9	0.0	45.2	6.1	0.0	H		0.0	46.5	83.5	-37.0			
17436.280	30.6	34.6	0.0	44.3	6.0	0.0	H		0.0	46.2	83.5	-37.3			
17888.690	29.7	34.8	0.0	45.2	6.1	0.0	V		0.0	46.1	83.5	-37.4			
13505.630	32.9	34.7	0.0	40.7	4.9	0.0	H		0.0	43.8	83.5	-39.7			
13558.300	32.5	34.7	0.0	40.8	4.9	0.0	V		0.0	43.5	83.5	-40.0			
13608.450	32.1	34.7	0.0	40.8	4.9	0.0	H		0.0	43.2	83.5	-40.3			
13417.860	32.1	34.8	0.0	40.5	4.9	0.0	H		0.0	42.8	83.5	-40.7			
16684.260	30.5	34.2	0.0	40.4	5.8	0.0	H		0.0	42.5	83.5	-41.0			
14145.130	30.7	34.5	0.0	41.1	5.0	0.0	V		0.0	42.4	83.5	-41.1			
12926.330	32.5	35.0	0.0	39.6	4.8	0.0	V		0.0	41.9	83.5	-41.6			
13182.130	31.8	34.9	0.0	40.1	4.8	0.0	V		0.0	41.8	83.5	-41.7			
15137.870	31.5	34.2	0.0	39.1	5.3	0.0	H		0.0	41.8	83.5	-41.7			
15149.850	31.4	34.2	0.0	39.1	5.3	0.0	V		0.0	41.7	83.5	-41.8			
14729.450	30.5	34.3	0.0	40.1	5.2	0.0	V		0.0	41.5	83.5	-42.0			
14877.410	30.5	34.2	0.0	39.8	5.3	0.0	V		0.0	41.3	83.5	-42.2			
14370.830	29.9	34.4	0.0	40.7	5.1	0.0	V		0.0	41.3	83.5	-42.2			
14857.340	30.4	34.2	0.0	39.9	5.3	0.0	H		0.0	41.3	83.5	-42.2			
15881.140	31.2	33.9	0.0	37.7	5.6	0.0	H		0.0	40.5	83.5	-43.0			
10526.640	33.0	35.2	0.0	38.3	4.1	0.0	H		0.0	40.2	83.5	-43.3			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/10/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.01													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Flat Panel Antennas, Mid Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		44	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17505.190	30.6	34.7	0.0	44.7	6.0	0.0	V		0.0	46.7	83.5	-36.8			
17610.050	30.4	34.7	0.0	44.8	6.0	0.0	H		0.0	46.5	83.5	-37.0			
17882.690	29.8	34.8	0.0	45.2	6.1	0.0	V		0.0	46.2	83.5	-37.3			
17945.610	29.5	34.9	0.0	45.2	6.1	0.0	H		0.0	46.0	83.5	-37.5			
13615.980	32.7	34.7	0.0	40.8	4.9	0.0	V		0.0	43.8	83.5	-39.7			
13836.660	31.6	34.6	0.0	41.1	5.0	0.0	V		0.0	43.1	83.5	-40.4			
13646.070	31.9	34.7	0.0	40.9	4.9	0.0	H		0.0	43.0	83.5	-40.5			
13445.450	32.3	34.7	0.0	40.6	4.9	0.0	V		0.0	43.0	83.5	-40.5			
13325.070	32.1	34.8	0.0	40.4	4.9	0.0	H		0.0	42.5	83.5	-41.0			
15110.890	31.8	34.2	0.0	39.2	5.3	0.0	V		0.0	42.2	83.5	-41.3			
14478.660	30.8	34.4	0.0	40.5	5.1	0.0	H		0.0	42.1	83.5	-41.4			
14508.760	30.7	34.3	0.0	40.5	5.2	0.0	V		0.0	42.0	83.5	-41.5			
10526.640	34.7	35.2	0.0	38.3	4.1	0.0	H		0.0	41.9	83.5	-41.6			
15140.860	31.5	34.2	0.0	39.1	5.3	0.0	H		0.0	41.8	83.5	-41.7			
12911.280	32.1	35.0	0.0	39.6	4.8	0.0	H		0.0	41.5	83.5	-42.0			
14721.920	30.2	34.3	0.0	40.1	5.2	0.0	V		0.0	41.2	83.5	-42.3			
14731.950	30.1	34.3	0.0	40.1	5.2	0.0	H		0.0	41.1	83.5	-42.4			
15914.110	31.8	33.9	0.0	37.7	5.6	0.0	H		0.0	41.1	83.5	-42.4			
14897.470	30.2	34.2	0.0	39.8	5.3	0.0	V		0.0	41.0	83.5	-42.5			
15581.430	31.5	34.0	0.0	37.9	5.5	0.0	V		0.0	40.8	83.5	-42.7			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/10/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.01											
Tested by: Greg Kiemel										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Omni Antennas, Mid Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)		Run #									
Evaluation										1		45									
Other																					
										Tested By:											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
17616.040	30.6	34.7	0.0	44.8	6.0	0.0	H		0.0	46.8	83.5	-36.7									
17876.700	30.0	34.8	0.0	45.2	6.1	0.0	H		0.0	46.4	83.5	-37.1									
17601.060	30.2	34.7	0.0	44.8	6.0	0.0	V		0.0	46.3	83.5	-37.2									
16645.310	31.6	34.2	0.0	40.3	5.8	0.0	V		0.0	43.5	83.5	-40.0									
13565.820	32.2	34.7	0.0	40.8	4.9	0.0	H		0.0	43.2	83.5	-40.3									
13819.110	31.6	34.6	0.0	41.1	5.0	0.0	V		0.0	43.1	83.5	-40.4									
16441.570	31.7	34.1	0.0	39.7	5.7	0.0	H		0.0	43.0	83.5	-40.5									
14388.380	30.9	34.4	0.0	40.7	5.1	0.0	H		0.0	42.3	83.5	-41.2									
16327.700	31.4	34.1	0.0	39.2	5.7	0.0	H		0.0	42.2	83.5	-41.3									
15146.860	31.9	34.2	0.0	39.1	5.3	0.0	H		0.0	42.2	83.5	-41.3									
14127.570	30.5	34.5	0.0	41.1	5.0	0.0	H		0.0	42.2	83.5	-41.3									
13136.980	32.2	34.9	0.0	40.0	4.8	0.0	H		0.0	42.1	83.5	-41.4									
15104.900	31.7	34.2	0.0	39.2	5.3	0.0	V		0.0	42.1	83.5	-41.4									
14360.800	30.5	34.4	0.0	40.7	5.1	0.0	V		0.0	41.9	83.5	-41.6									
13162.060	31.9	34.9	0.0	40.0	4.8	0.0	V		0.0	41.9	83.5	-41.6									
10526.640	34.6	35.2	0.0	38.3	4.1	0.0	H		0.0	41.8	83.5	-41.7									
14716.910	30.2	34.3	0.0	40.1	5.2	0.0	H		0.0	41.2	83.5	-42.3									
14749.510	30.2	34.3	0.0	40.1	5.2	0.0	V		0.0	41.2	83.5	-42.3									
14942.610	30.4	34.2	0.0	39.7	5.3	0.0	V		0.0	41.2	83.5	-42.3									
15878.140	31.1	33.9	0.0	37.7	5.6	0.0	H		0.0	40.4	83.5	-43.1									

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/10/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.01													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Yagi Antennas, Mid Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		46	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17499.190	30.2	34.6	0.0	44.7	6.0	0.0	H		0.0	46.2	83.5	-37.3			
17882.690	29.8	34.8	0.0	45.2	6.1	0.0	H		0.0	46.2	83.5	-37.3			
17607.050	30.0	34.7	0.0	44.8	6.0	0.0	V		0.0	46.1	83.5	-37.4			
17921.640	29.7	34.9	0.0	45.2	6.1	0.0	V		0.0	46.1	83.5	-37.4			
13854.220	31.8	34.6	0.0	41.1	5.0	0.0	H		0.0	43.3	83.5	-40.2			
13538.230	32.1	34.7	0.0	40.7	4.9	0.0	V		0.0	43.0	83.5	-40.5			
13347.640	32.2	34.8	0.0	40.4	4.9	0.0	H		0.0	42.7	83.5	-40.8			
16543.440	30.9	34.2	0.0	40.1	5.8	0.0	H		0.0	42.6	83.5	-40.9			
16639.310	30.6	34.2	0.0	40.3	5.8	0.0	V		0.0	42.5	83.5	-41.0			
15146.860	32.2	34.2	0.0	39.1	5.3	0.0	H		0.0	42.5	83.5	-41.0			
14431.020	31.1	34.4	0.0	40.6	5.1	0.0	H		0.0	42.5	83.5	-41.0			
14132.590	30.7	34.5	0.0	41.1	5.0	0.0	V		0.0	42.4	83.5	-41.1			
14405.940	30.6	34.4	0.0	40.7	5.1	0.0	V		0.0	42.0	83.5	-41.5			
15104.900	31.5	34.2	0.0	39.2	5.3	0.0	V		0.0	41.9	83.5	-41.6			
14508.760	30.5	34.3	0.0	40.5	5.2	0.0	V		0.0	41.8	83.5	-41.7			
14561.420	30.5	34.3	0.0	40.4	5.2	0.0	H		0.0	41.7	83.5	-41.8			
12901.250	32.2	35.0	0.0	39.6	4.8	0.0	H		0.0	41.5	83.5	-42.0			
14719.410	30.5	34.3	0.0	40.1	5.2	0.0	H		0.0	41.5	83.5	-42.0			
12898.740	32.1	35.0	0.0	39.6	4.8	0.0	V		0.0	41.4	83.5	-42.1			
10759.870	33.8	35.2	0.0	38.1	4.2	0.0	H		0.0	40.9	83.5	-42.6			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/10/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.01													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Dipole Antennas, Mid Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		47	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17568.100	30.3	34.7	0.0	44.8	6.0	0.0	H		0.0	46.4	83.5	-37.1			
17616.040	30.2	34.7	0.0	44.8	6.0	0.0	V		0.0	46.4	83.5	-37.1			
17897.670	29.9	34.8	0.0	45.2	6.1	0.0	H		0.0	46.3	83.5	-37.2			
17891.680	29.8	34.8	0.0	45.2	6.1	0.0	V		0.0	46.2	83.5	-37.3			
17774.830	29.9	34.8	0.0	45.0	6.1	0.0	H		0.0	46.2	83.5	-37.3			
13555.790	32.4	34.7	0.0	40.8	4.9	0.0	V		0.0	43.4	83.5	-40.1			
13618.480	32.0	34.7	0.0	40.8	4.9	0.0	H		0.0	43.1	83.5	-40.4			
16726.200	30.8	34.3	0.0	40.5	5.8	0.0	V		0.0	42.9	83.5	-40.6			
14132.590	30.8	34.5	0.0	41.1	5.0	0.0	V		0.0	42.5	83.5	-41.0			
16651.300	30.5	34.2	0.0	40.4	5.8	0.0	H		0.0	42.4	83.5	-41.1			
15149.850	31.7	34.2	0.0	39.1	5.3	0.0	V		0.0	42.0	83.5	-41.5			
14413.460	30.5	34.4	0.0	40.6	5.1	0.0	V		0.0	41.9	83.5	-41.6			
12876.170	32.5	35.0	0.0	39.5	4.8	0.0	V		0.0	41.8	83.5	-41.7			
14413.460	30.4	34.4	0.0	40.6	5.1	0.0	H		0.0	41.8	83.5	-41.7			
15152.850	31.2	34.2	0.0	39.1	5.3	0.0	H		0.0	41.5	83.5	-42.0			
12898.740	32.0	35.0	0.0	39.6	4.8	0.0	H		0.0	41.3	83.5	-42.2			
14721.920	30.0	34.3	0.0	40.1	5.2	0.0	V		0.0	41.0	83.5	-42.5			
12733.230	32.0	35.1	0.0	39.3	4.7	0.0	V		0.0	41.0	83.5	-42.5			
12612.850	32.2	35.1	0.0	39.2	4.7	0.0	V		0.0	41.0	83.5	-42.5			
15533.480	30.9	34.0	0.0	37.9	5.5	0.0	H		0.0	40.2	83.5	-43.3			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/10/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.01													
Tested by: Greg Kiemel		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Dipole Antennas, Low Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		48	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17906.660	30.5	34.9	0.0	45.2	6.1	0.0	H		0.0	46.9	83.5	-36.6			
17897.670	30.3	34.8	0.0	45.2	6.1	0.0	V		0.0	46.7	83.5	-36.8			
17610.050	30.5	34.7	0.0	44.8	6.0	0.0	H		0.0	46.6	83.5	-36.9			
17529.150	30.5	34.7	0.0	44.7	6.0	0.0	V		0.0	46.6	83.5	-36.9			
13643.560	32.6	34.7	0.0	40.9	4.9	0.0	H		0.0	43.7	83.5	-39.8			
13924.440	31.7	34.5	0.0	41.2	5.0	0.0	V		0.0	43.4	83.5	-40.1			
13568.330	32.3	34.7	0.0	40.8	4.9	0.0	V		0.0	43.3	83.5	-40.2			
13871.770	31.5	34.6	0.0	41.1	5.0	0.0	H		0.0	43.1	83.5	-40.4			
16834.060	30.4	34.3	0.0	40.8	5.9	0.0	H		0.0	42.7	83.5	-40.8			
14150.140	31.0	34.5	0.0	41.1	5.0	0.0	V		0.0	42.6	83.5	-40.9			
16573.400	30.8	34.2	0.0	40.2	5.8	0.0	H		0.0	42.6	83.5	-40.9			
16510.480	30.7	34.2	0.0	40.0	5.8	0.0	V		0.0	42.3	83.5	-41.2			
14155.160	30.6	34.5	0.0	41.1	5.0	0.0	H		0.0	42.2	83.5	-41.3			
12868.650	32.9	35.0	0.0	39.5	4.8	0.0	H		0.0	42.2	83.5	-41.3			
13294.980	31.8	34.8	0.0	40.3	4.9	0.0	V		0.0	42.1	83.5	-41.4			
14393.400	30.7	34.4	0.0	40.7	5.1	0.0	H		0.0	42.1	83.5	-41.4			
13034.160	32.3	34.9	0.0	39.8	4.8	0.0	H		0.0	41.9	83.5	-41.6			
13086.830	32.1	34.9	0.0	39.9	4.8	0.0	V		0.0	41.9	83.5	-41.6			
15104.900	31.4	34.2	0.0	39.2	5.3	0.0	V		0.0	41.8	83.5	-41.7			
15149.850	31.5	34.2	0.0	39.1	5.3	0.0	H		0.0	41.8	83.5	-41.7			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/10/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.01											
Tested by: Greg Kiemel										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Yagi Antennas, Low Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)			Run #								
Evaluation										1			49								
Other															Tested By:						
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
17595.070	30.6	34.7	0.0	44.8	6.0	0.0	V		0.0	46.7	83.5	-36.8									
17478.220	30.6	34.6	0.0	44.5	6.0	0.0	H		0.0	46.5	83.5	-37.0									
17906.660	29.9	34.9	0.0	45.2	6.1	0.0	H		0.0	46.3	83.5	-37.2									
13844.190	32.2	34.6	0.0	41.1	5.0	0.0	V		0.0	43.7	83.5	-39.8									
13605.950	32.6	34.7	0.0	40.8	4.9	0.0	V		0.0	43.7	83.5	-39.8									
13543.250	32.4	34.7	0.0	40.8	4.9	0.0	H		0.0	43.4	83.5	-40.1									
13505.630	32.2	34.7	0.0	40.7	4.9	0.0	H		0.0	43.1	83.5	-40.4									
16498.500	31.1	34.1	0.0	40.0	5.7	0.0	H		0.0	42.7	83.5	-40.8									
15137.870	32.1	34.2	0.0	39.1	5.3	0.0	V		0.0	42.4	83.5	-41.1									
14110.020	30.6	34.5	0.0	41.1	5.0	0.0	H		0.0	42.3	83.5	-41.2									
12916.300	32.7	35.0	0.0	39.6	4.8	0.0	V		0.0	42.1	83.5	-41.4									
14744.490	31.0	34.3	0.0	40.1	5.2	0.0	H		0.0	42.0	83.5	-41.5									
10526.640	34.7	35.2	0.0	38.3	4.1	0.0	H		0.0	41.9	83.5	-41.6									
15131.870	31.5	34.2	0.0	39.2	5.3	0.0	H		0.0	41.8	83.5	-41.7									
14413.460	30.4	34.4	0.0	40.6	5.1	0.0	V		0.0	41.8	83.5	-41.7									
14711.890	30.2	34.3	0.0	40.1	5.2	0.0	V		0.0	41.2	83.5	-42.3									
15551.460	31.2	34.0	0.0	37.9	5.5	0.0	H		0.0	40.5	83.5	-43.0									
15578.430	31.0	34.0	0.0	37.9	5.5	0.0	V		0.0	40.3	83.5	-43.2									
15872.150	31.0	33.9	0.0	37.7	5.6	0.0	V		0.0	40.3	83.5	-43.2									
10787.450	33.2	35.2	0.0	38.1	4.2	0.0	H		0.0	40.3	83.5	-43.2									

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042					
Serial Number:										Date: 10/10/02					
Customer: INTERMEC Corporation										Temperature: 75					
Attendees: none										Humidity: 38%					
Cust. Ref. No.:										Barometric Pressure: 30.01					
Tested by: Greg Kiemel										Power: DC power on Enet				Job Site: EV01	
TEST SPECIFICATIONS															
Specification: FCC 15.209										Year: Current 47CFR					
Method: ANSI C63.4										Year: 2000					
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															
Omni Antennas, Low Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS										Test Distance (m)		Run #			
Evaluation										1		50			
Other										Tested By:					
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
17891.680	30.1	34.8	0.0	45.2	6.1	0.0	H		0.0	46.5	83.5	-37.0			
17762.850	30.1	34.8	0.0	45.0	6.1	0.0	V		0.0	46.4	83.5	-37.1			
17559.120	30.2	34.7	0.0	44.8	6.0	0.0	V		0.0	46.3	83.5	-37.2			
17517.170	30.2	34.7	0.0	44.7	6.0	0.0	H		0.0	46.3	83.5	-37.2			
13656.100	32.5	34.7	0.0	40.9	4.9	0.0	H		0.0	43.7	83.5	-39.8			
13947.010	31.4	34.5	0.0	41.2	5.0	0.0	H		0.0	43.1	83.5	-40.4			
13671.150	31.9	34.6	0.0	40.9	4.9	0.0	V		0.0	43.1	83.5	-40.4			
16606.360	31.1	34.2	0.0	40.3	5.8	0.0	V		0.0	42.9	83.5	-40.6			
16711.220	30.4	34.3	0.0	40.5	5.8	0.0	H		0.0	42.5	83.5	-41.0			
15107.890	31.8	34.2	0.0	39.2	5.3	0.0	H		0.0	42.2	83.5	-41.3			
13189.650	32.0	34.9	0.0	40.1	4.8	0.0	V		0.0	42.1	83.5	-41.4			
15119.880	31.6	34.2	0.0	39.2	5.3	0.0	V		0.0	42.0	83.5	-41.5			
14741.980	30.4	34.3	0.0	40.1	5.2	0.0	H		0.0	41.4	83.5	-42.1			
14654.210	30.1	34.3	0.0	40.2	5.2	0.0	V		0.0	41.2	83.5	-42.3			
15053.950	30.6	34.2	0.0	39.4	5.3	0.0	V		0.0	41.1	83.5	-42.4			
15000.000	30.2	34.2	0.0	39.6	5.3	0.0	H		0.0	40.9	83.5	-42.6			
15593.420	31.5	34.0	0.0	37.8	5.5	0.0	V		0.0	40.8	83.5	-42.7			
15812.210	31.4	34.0	0.0	37.7	5.5	0.0	H		0.0	40.7	83.5	-42.8			
15578.430	31.3	34.0	0.0	37.9	5.5	0.0	H		0.0	40.6	83.5	-42.9			
10797.480	33.5	35.2	0.0	38.1	4.2	0.0	V		0.0	40.6	83.5	-42.9			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/10/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.01											
Tested by: Greg Kiemel										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Flat Panel Antennas, Low Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)			Run #								
Evaluation										1			51								
Other															Tested By:						
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
17972.580	30.0	34.9	0.0	45.3	6.1	0.0	V		0.0	46.5	83.5	-37.0									
17517.170	30.4	34.7	0.0	44.7	6.0	0.0	V		0.0	46.5	83.5	-37.0									
17921.640	30.0	34.9	0.0	45.2	6.1	0.0	H		0.0	46.4	83.5	-37.1									
17601.060	30.2	34.7	0.0	44.8	6.0	0.0	H		0.0	46.3	83.5	-37.2									
17298.460	31.2	34.5	0.0	43.3	6.0	0.0	H		0.0	45.9	83.5	-37.6									
10526.640	37.2	35.2	0.0	38.3	4.1	0.0	H		0.0	44.4	83.5	-39.1									
13618.480	32.8	34.7	0.0	40.8	4.9	0.0	V		0.0	43.9	83.5	-39.6									
13941.990	32.0	34.5	0.0	41.2	5.0	0.0	H		0.0	43.7	83.5	-39.8									
16549.430	31.0	34.2	0.0	40.1	5.8	0.0	H		0.0	42.7	83.5	-40.8									
16774.140	30.1	34.3	0.0	40.7	5.8	0.0	V		0.0	42.3	83.5	-41.2									
14122.550	30.6	34.5	0.0	41.1	5.0	0.0	H		0.0	42.3	83.5	-41.2									
14566.440	30.9	34.3	0.0	40.4	5.2	0.0	V		0.0	42.1	83.5	-41.4									
14571.450	30.9	34.3	0.0	40.4	5.2	0.0	H		0.0	42.1	83.5	-41.4									
15137.870	31.5	34.2	0.0	39.1	5.3	0.0	H		0.0	41.8	83.5	-41.7									
15140.860	31.5	34.2	0.0	39.1	5.3	0.0	V		0.0	41.8	83.5	-41.7									
16279.750	30.8	34.0	0.0	38.9	5.7	0.0	H		0.0	41.4	83.5	-42.1									
14731.950	30.2	34.3	0.0	40.1	5.2	0.0	H		0.0	41.2	83.5	-42.3									
10526.640	33.5	35.2	0.0	38.3	4.1	0.0	V		0.0	40.7	83.5	-42.8									
15926.090	31.1	33.9	0.0	37.6	5.6	0.0	H		0.0	40.4	83.5	-43.1									
15302.700	30.5	34.1	0.0	38.6	5.4	0.0	H		0.0	40.4	83.5	-43.1									

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20								Work Order: INMC0042							
Serial Number:								Date: 10/10/02							
Customer: INTERMEC Corporation								Temperature: 75							
Attendees: none								Humidity: 38%							
Cust. Ref. No.:								Barometric Pressure: 30.01							
Tested by: Dan Haas						Power: DC power on Enet		Job Site: EV01							
TEST SPECIFICATIONS															
Specification: FCC 15.209								Year: Current 47CFR							
Method: ANSI C63.4								Year: 2000							
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															
Flat Panel Antennas, Low Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS								Test Distance (m)		Run #					
Evaluation								1		52					
Other								Tested By:							
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
26357.250	34.5	35.1	0.0	40.5	7.8	0.0	H		0.0	47.7	83.5	-35.8			
26479.040	34.3	35.0	0.0	40.5	7.8	0.0	H		0.0	47.6	83.5	-35.9			
24959.390	36.0	36.3	0.0	40.4	7.5	0.0	H		0.0	47.6	83.5	-35.9			
24948.800	35.9	36.3	0.0	40.4	7.5	0.0	V		0.0	47.5	83.5	-36.0			
24715.830	35.7	36.3	0.0	40.4	7.3	0.0	H		0.0	47.1	83.5	-36.4			
25631.850	34.8	35.8	0.0	40.5	7.6	0.0	V		0.0	47.1	83.5	-36.4			
24196.930	36.0	36.4	0.0	40.4	7.0	0.0	H		0.0	47.0	83.5	-36.5			
25891.300	34.4	35.6	0.0	40.5	7.7	0.0	V		0.0	47.0	83.5	-36.5			
24456.380	35.7	36.4	0.0	40.4	7.2	0.0	H		0.0	46.9	83.5	-36.6			
26489.630	33.6	35.0	0.0	40.5	7.9	0.0	V		0.0	46.9	83.5	-36.6			
24572.870	35.5	36.3	0.0	40.4	7.2	0.0	V		0.0	46.8	83.5	-36.7			
25737.750	34.4	35.7	0.0	40.5	7.6	0.0	H		0.0	46.8	83.5	-36.7			
24276.350	35.7	36.4	0.0	40.4	7.1	0.0	V		0.0	46.8	83.5	-36.7			
21957.170	34.3	36.0	0.0	40.3	7.0	0.0	V		0.0	45.6	83.5	-37.9			
22147.790	34.2	36.0	0.0	40.3	6.9	0.0	H		0.0	45.4	83.5	-38.1			
23460.930	34.6	36.2	0.0	40.4	6.6	0.0	V		0.0	45.4	83.5	-38.1			
23847.460	34.5	36.4	0.0	40.4	6.8	0.0	H		0.0	45.4	83.5	-38.1			
23810.400	34.5	36.3	0.0	40.4	6.8	0.0	V		0.0	45.4	83.5	-38.1			
21401.210	34.4	36.2	0.0	40.3	6.9	0.0	H		0.0	45.4	83.5	-38.1			
21713.610	34.1	36.1	0.0	40.3	6.9	0.0	V		0.0	45.3	83.5	-38.2			

NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/10/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.01													
Tested by: Dan Haas		Power: DC power on Enet		Job Site: EV01											
TEST SPECIFICATIONS															
Specification: FCC 15.209		Year: Current 47CFR													
Method: ANSI C63.4		Year: 2000													
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															
Yagi Antennas, Low Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		53	
Other															
Tested By:															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
24890.560	36.1	36.3	0.0	40.4	7.4	0.0	H		0.0	47.7	83.5	-35.8			
24932.920	36.0	36.3	0.0	40.4	7.5	0.0	V		0.0	47.6	83.5	-35.9			
25695.390	35.2	35.7	0.0	40.5	7.6	0.0	H		0.0	47.6	83.5	-35.9			
26346.660	34.2	35.2	0.0	40.5	7.8	0.0	H		0.0	47.4	83.5	-36.1			
26171.930	34.4	35.3	0.0	40.5	7.8	0.0	H		0.0	47.3	83.5	-36.2			
25679.500	34.8	35.8	0.0	40.5	7.6	0.0	V		0.0	47.2	83.5	-36.3			
25081.180	35.3	36.2	0.0	40.5	7.5	0.0	V		0.0	47.0	83.5	-36.5			
26320.190	33.8	35.2	0.0	40.5	7.8	0.0	V		0.0	46.9	83.5	-36.6			
25165.900	35.0	36.2	0.0	40.5	7.5	0.0	V		0.0	46.8	83.5	-36.7			
24228.700	35.7	36.4	0.0	40.4	7.0	0.0	V		0.0	46.8	83.5	-36.7			
23715.090	35.3	36.3	0.0	40.4	6.8	0.0	H		0.0	46.1	83.5	-37.4			
21750.670	34.5	36.1	0.0	40.3	7.0	0.0	H		0.0	45.7	83.5	-37.8			
23037.340	34.8	36.1	0.0	40.4	6.4	0.0	H		0.0	45.5	83.5	-38.0			
22190.150	34.1	36.0	0.0	40.3	6.9	0.0	V		0.0	45.3	83.5	-38.2			
21793.030	34.1	36.1	0.0	40.3	7.0	0.0	V		0.0	45.3	83.5	-38.2			
23863.350	34.4	36.4	0.0	40.4	6.8	0.0	V		0.0	45.3	83.5	-38.2			
22830.840	34.2	36.1	0.0	40.4	6.5	0.0	H		0.0	45.0	83.5	-38.5			
23016.160	34.0	36.1	0.0	40.4	6.4	0.0	V		0.0	44.7	83.5	-38.8			
20304.730	34.2	36.5	0.0	40.3	6.6	0.0	V		0.0	44.5	83.5	-39.0			
20366.400	34.1	36.5	0.0	40.3	6.6	0.0	V		0.0	44.5	83.5	-39.0			

NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EMC													
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/10/02											
Customer: INTERMEC Corporation		Temperature: 75											
Attendees: none		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure 30.01											
Tested by: Dan Haas		Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS													
Specification: FCC 15.209										Year: Current 47CFR			
Method: ANSI C63.4										Year: 2000			
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													
Omni Antennas, Low Channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										1		54	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
24922.330	36.3	36.3	0.0	40.4	7.5	0.0	H		0.0	47.9	83.5	-35.6	
26484.330	34.4	35.0	0.0	40.5	7.8	0.0	V		0.0	47.7	83.5	-35.8	
25732.450	35.0	35.7	0.0	40.5	7.6	0.0	H		0.0	47.4	83.5	-36.1	
24895.860	35.6	36.3	0.0	40.4	7.4	0.0	V		0.0	47.2	83.5	-36.3	
25663.620	34.6	35.8	0.0	40.5	7.6	0.0	V		0.0	46.9	83.5	-36.6	
25970.720	34.2	35.5	0.0	40.5	7.7	0.0	H		0.0	46.9	83.5	-36.6	
24286.940	35.7	36.4	0.0	40.4	7.1	0.0	V		0.0	46.8	83.5	-36.7	
26468.450	33.5	35.0	0.0	40.5	7.8	0.0	H		0.0	46.8	83.5	-36.7	
24202.220	35.6	36.4	0.0	40.4	7.0	0.0	H		0.0	46.7	83.5	-36.8	
24022.190	35.2	36.4	0.0	40.4	6.9	0.0	H		0.0	46.1	83.5	-37.4	
21787.740	34.3	36.1	0.0	40.3	7.0	0.0	V		0.0	45.5	83.5	-38.0	
23831.580	34.6	36.3	0.0	40.4	6.8	0.0	V		0.0	45.5	83.5	-38.0	
23503.290	34.6	36.3	0.0	40.4	6.7	0.0	H		0.0	45.4	83.5	-38.1	
21724.200	34.0	36.1	0.0	40.3	6.9	0.0	H		0.0	45.2	83.5	-38.3	
21390.620	34.2	36.2	0.0	40.3	6.9	0.0	V		0.0	45.1	83.5	-38.4	
22280.160	34.0	36.0	0.0	40.3	6.8	0.0	H		0.0	45.1	83.5	-38.4	
23762.740	34.3	36.3	0.0	40.4	6.8	0.0	H		0.0	45.1	83.5	-38.4	
21353.550	34.1	36.3	0.0	40.3	6.9	0.0	H		0.0	45.0	83.5	-38.5	
23069.110	34.2	36.1	0.0	40.4	6.4	0.0	H		0.0	44.9	83.5	-38.6	
23058.520	34.2	36.1	0.0	40.4	6.4	0.0	V		0.0	44.9	83.5	-38.6	

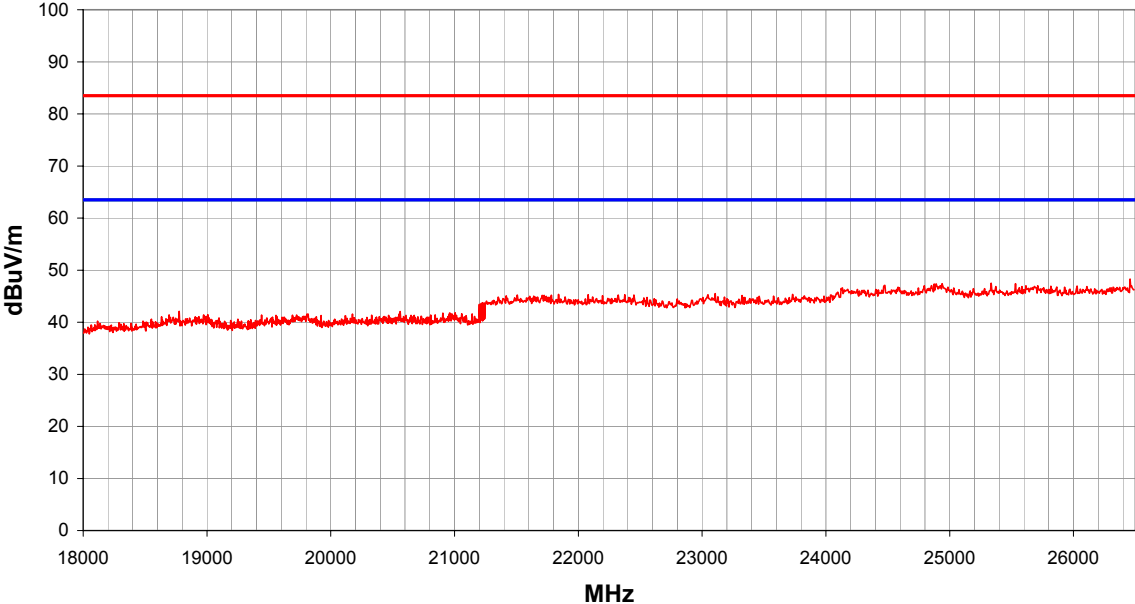
NORTHWEST EMC		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/10/02											
Customer: INTERMEC Corporation		Temperature: 75											
Attendees: none		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.01											
Tested by: Dan Haas		Power: DC power on Enet		Job Site: EV01									
TEST SPECIFICATIONS													
Specification: FCC 15.209		Year: Current 47CFR											
Method: ANSI C63.4		Year: 2000											
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													
Dipole Antennas, Low Channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										1		55	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
26468.450	34.8	35.0	0.0	40.5	7.8	0.0	V		0.0	48.1	83.5	-35.4	
24493.440	36.2	36.4	0.0	40.4	7.2	0.0	H		0.0	47.5	83.5	-36.0	
24842.910	35.9	36.3	0.0	40.4	7.4	0.0	V		0.0	47.4	83.5	-36.1	
24895.860	35.8	36.3	0.0	40.4	7.4	0.0	H		0.0	47.4	83.5	-36.1	
25737.750	34.9	35.7	0.0	40.5	7.6	0.0	V		0.0	47.3	83.5	-36.2	
24265.760	36.2	36.4	0.0	40.4	7.1	0.0	V		0.0	47.3	83.5	-36.2	
25690.090	34.9	35.7	0.0	40.5	7.6	0.0	H		0.0	47.3	83.5	-36.2	
25753.630	34.8	35.7	0.0	40.5	7.7	0.0	H		0.0	47.2	83.5	-36.3	
24567.570	35.7	36.3	0.0	40.4	7.2	0.0	H		0.0	47.0	83.5	-36.5	
24625.810	35.5	36.3	0.0	40.4	7.3	0.0	V		0.0	46.9	83.5	-36.6	
24133.390	35.5	36.4	0.0	40.4	7.0	0.0	H		0.0	46.5	83.5	-37.0	
21713.610	34.8	36.1	0.0	40.3	6.9	0.0	H		0.0	46.0	83.5	-37.5	
21777.150	34.7	36.1	0.0	40.3	7.0	0.0	H		0.0	45.9	83.5	-37.6	
23815.690	34.9	36.3	0.0	40.4	6.8	0.0	V		0.0	45.8	83.5	-37.7	
23032.040	35.0	36.1	0.0	40.4	6.4	0.0	H		0.0	45.7	83.5	-37.8	
21697.720	34.5	36.1	0.0	40.3	6.9	0.0	V		0.0	45.6	83.5	-37.9	
22401.950	34.5	36.0	0.0	40.3	6.8	0.0	V		0.0	45.6	83.5	-37.9	
22004.830	34.2	36.0	0.0	40.3	7.0	0.0	V		0.0	45.5	83.5	-38.0	
23619.780	34.7	36.3	0.0	40.4	6.7	0.0	H		0.0	45.5	83.5	-38.0	
23137.940	34.8	36.1	0.0	40.4	6.5	0.0	V		0.0	45.5	83.5	-38.0	

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/10/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.01											
Tested by: Dan Haas										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Dipole Antennas, Mid Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)			Run #								
Evaluation										1			56								
Other															Tested By:						
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
24927.630	36.1	36.3	0.0	40.4	7.5	0.0	H		0.0	47.7	83.5	-35.8									
25727.160	35.2	35.7	0.0	40.5	7.6	0.0	V		0.0	47.6	83.5	-35.9									
24959.390	35.8	36.3	0.0	40.4	7.5	0.0	V		0.0	47.4	83.5	-36.1									
24276.350	36.3	36.4	0.0	40.4	7.1	0.0	V		0.0	47.4	83.5	-36.1									
26050.150	34.6	35.4	0.0	40.5	7.7	0.0	V		0.0	47.4	83.5	-36.1									
25393.580	35.3	36.0	0.0	40.5	7.6	0.0	H		0.0	47.4	83.5	-36.1									
26134.870	34.4	35.4	0.0	40.5	7.7	0.0	H		0.0	47.3	83.5	-36.2									
24800.550	35.7	36.3	0.0	40.4	7.4	0.0	V		0.0	47.2	83.5	-36.3									
25864.830	34.6	35.6	0.0	40.5	7.7	0.0	H		0.0	47.2	83.5	-36.3									
26484.330	33.8	35.0	0.0	40.5	7.8	0.0	V		0.0	47.1	83.5	-36.4									
25679.500	34.7	35.8	0.0	40.5	7.6	0.0	H		0.0	47.1	83.5	-36.4									
24191.630	36.0	36.4	0.0	40.4	7.0	0.0	H		0.0	47.0	83.5	-36.5									
26404.910	33.8	35.1	0.0	40.5	7.8	0.0	H		0.0	47.0	83.5	-36.5									
25224.140	35.1	36.1	0.0	40.5	7.5	0.0	H		0.0	47.0	83.5	-36.5									
24477.560	35.5	36.4	0.0	40.4	7.2	0.0	V		0.0	46.8	83.5	-36.7									
24588.750	35.4	36.3	0.0	40.4	7.3	0.0	H		0.0	46.7	83.5	-36.8									
23852.760	35.6	36.4	0.0	40.4	6.8	0.0	H		0.0	46.5	83.5	-37.0									
23900.410	35.0	36.4	0.0	40.4	6.9	0.0	V		0.0	45.9	83.5	-37.6									
23471.520	34.8	36.2	0.0	40.4	6.6	0.0	V		0.0	45.6	83.5	-37.9									
22322.520	34.4	36.0	0.0	40.3	6.8	0.0	H		0.0	45.5	83.5	-38.0									

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/10/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.01											
Tested by: Dan Haas										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Omni Antennas, Mid Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)			Run #								
Evaluation										1			57								
Other																					
										Tested By: _____											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
26479.040	34.3	35.0	0.0	40.5	7.8	0.0	V		0.0	47.6	83.5	-35.9									
24827.020	36.1	36.3	0.0	40.4	7.4	0.0	H		0.0	47.6	83.5	-35.9									
25833.060	35.0	35.6	0.0	40.5	7.7	0.0	V		0.0	47.5	83.5	-36.0									
25674.210	35.1	35.8	0.0	40.5	7.6	0.0	V		0.0	47.5	83.5	-36.0									
25695.390	34.9	35.7	0.0	40.5	7.6	0.0	H		0.0	47.3	83.5	-36.2									
24895.860	35.7	36.3	0.0	40.4	7.4	0.0	H		0.0	47.3	83.5	-36.2									
24456.380	35.9	36.4	0.0	40.4	7.2	0.0	V		0.0	47.1	83.5	-36.4									
24927.630	35.5	36.3	0.0	40.4	7.5	0.0	V		0.0	47.1	83.5	-36.4									
26060.740	34.3	35.4	0.0	40.5	7.7	0.0	V		0.0	47.1	83.5	-36.4									
26399.610	33.8	35.1	0.0	40.5	7.8	0.0	H		0.0	47.0	83.5	-36.5									
24594.040	35.6	36.3	0.0	40.4	7.3	0.0	H		0.0	46.9	83.5	-36.6									
24366.360	35.7	36.4	0.0	40.4	7.1	0.0	H		0.0	46.9	83.5	-36.6									
24233.990	35.5	36.4	0.0	40.4	7.0	0.0	V		0.0	46.6	83.5	-36.9									
25118.240	34.6	36.2	0.0	40.5	7.5	0.0	V		0.0	46.4	83.5	-37.1									
24191.630	35.3	36.4	0.0	40.4	7.0	0.0	H		0.0	46.3	83.5	-37.2									
23090.290	35.2	36.1	0.0	40.4	6.4	0.0	H		0.0	45.9	83.5	-37.6									
23805.100	34.8	36.3	0.0	40.4	6.8	0.0	V		0.0	45.7	83.5	-37.8									
23720.380	34.6	36.3	0.0	40.4	6.8	0.0	H		0.0	45.4	83.5	-38.1									
21687.130	34.1	36.1	0.0	40.3	6.9	0.0	H		0.0	45.2	83.5	-38.3									
21432.980	34.1	36.2	0.0	40.3	6.9	0.0	H		0.0	45.1	83.5	-38.4									

NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EMC													
EUT: MPC13A-20		Work Order: INMC0042											
Serial Number:		Date: 10/10/02											
Customer: INTERMEC Corporation		Temperature: 75											
Attendees: none		Humidity: 38%											
Cust. Ref. No.:		Barometric Pressure: 30.01											
Tested by: Dan Haas		Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS													
Specification: FCC 15.209										Year: Current 47CFR			
Method: ANSI C63.4										Year: 2000			
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													
Yagi Antennas, Mid Channel													
EUT OPERATING MODES													
Transmitting on both radios													
DEVIATIONS FROM TEST STANDARD													
No deviations.													
RESULTS										Test Distance (m)		Run #	
Evaluation										1		58	
Other													
Tested By:													
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	
24922.330	36.4	36.3	0.0	40.4	7.5	0.0	H		0.0	48.0	83.5	-35.5	
25012.340	36.2	36.3	0.0	40.5	7.5	0.0	H		0.0	47.9	83.5	-35.6	
24196.930	36.4	36.4	0.0	40.4	7.0	0.0	H		0.0	47.4	83.5	-36.1	
24991.160	35.7	36.3	0.0	40.4	7.5	0.0	H		0.0	47.3	83.5	-36.2	
25721.860	34.9	35.7	0.0	40.5	7.6	0.0	H		0.0	47.3	83.5	-36.2	
24922.330	35.7	36.3	0.0	40.4	7.5	0.0	V		0.0	47.3	83.5	-36.2	
26484.330	33.8	35.0	0.0	40.5	7.8	0.0	H		0.0	47.1	83.5	-36.4	
26092.510	34.3	35.4	0.0	40.5	7.7	0.0	V		0.0	47.1	83.5	-36.4	
25684.800	34.7	35.8	0.0	40.5	7.6	0.0	V		0.0	47.1	83.5	-36.4	
24599.340	35.7	36.3	0.0	40.4	7.3	0.0	V		0.0	47.0	83.5	-36.5	
24255.170	35.9	36.4	0.0	40.4	7.1	0.0	H		0.0	47.0	83.5	-36.5	
25282.380	35.0	36.1	0.0	40.5	7.6	0.0	H		0.0	46.9	83.5	-36.6	
26283.130	33.8	35.2	0.0	40.5	7.8	0.0	V		0.0	46.9	83.5	-36.6	
26410.200	33.6	35.1	0.0	40.5	7.8	0.0	V		0.0	46.8	83.5	-36.7	
24117.500	35.7	36.4	0.0	40.4	7.0	0.0	V		0.0	46.7	83.5	-36.8	
23063.810	35.5	36.1	0.0	40.4	6.4	0.0	V		0.0	46.2	83.5	-37.3	
23868.640	34.6	36.4	0.0	40.4	6.8	0.0	V		0.0	45.5	83.5	-38.0	
21676.540	34.2	36.1	0.0	40.3	6.9	0.0	H		0.0	45.3	83.5	-38.2	
21353.550	34.4	36.3	0.0	40.3	6.9	0.0	V		0.0	45.3	83.5	-38.2	
21681.840	34.0	36.1	0.0	40.3	6.9	0.0	V		0.0	45.1	83.5	-38.4	

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/10/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.01											
Tested by: Dan Haas										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Flat Panel Antennas, Mid Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)			Run #								
Evaluation										1			59								
Other																					
										Tested By: _____											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
24948.800	36.5	36.3	0.0	40.4	7.5	0.0	V		0.0	48.1	83.5	-35.4									
26489.630	34.4	35.0	0.0	40.5	7.9	0.0	V		0.0	47.7	83.5	-35.8									
26447.270	33.9	35.1	0.0	40.5	7.8	0.0	H		0.0	47.2	83.5	-36.3									
26193.110	34.2	35.3	0.0	40.5	7.8	0.0	H		0.0	47.2	83.5	-36.3									
25647.730	34.8	35.8	0.0	40.5	7.6	0.0	H		0.0	47.1	83.5	-36.4									
24917.040	35.5	36.3	0.0	40.4	7.5	0.0	H		0.0	47.1	83.5	-36.4									
25658.320	34.7	35.8	0.0	40.5	7.6	0.0	V		0.0	47.0	83.5	-36.5									
24096.320	36.0	36.4	0.0	40.4	7.0	0.0	V		0.0	47.0	83.5	-36.5									
24154.570	35.8	36.4	0.0	40.4	7.0	0.0	V		0.0	46.8	83.5	-36.7									
25367.100	34.7	36.0	0.0	40.5	7.6	0.0	H		0.0	46.7	83.5	-36.8									
21538.880	34.6	36.2	0.0	40.3	6.9	0.0	V		0.0	45.6	83.5	-37.9									
21782.440	34.2	36.1	0.0	40.3	7.0	0.0	H		0.0	45.4	83.5	-38.1									
23100.880	34.6	36.1	0.0	40.4	6.5	0.0	H		0.0	45.3	83.5	-38.2									
22269.570	34.1	36.0	0.0	40.3	6.8	0.0	H		0.0	45.3	83.5	-38.2									
22078.960	33.8	36.0	0.0	40.3	7.0	0.0	V		0.0	45.1	83.5	-38.4									
23106.170	34.3	36.1	0.0	40.4	6.5	0.0	V		0.0	45.0	83.5	-38.5									
21221.180	33.2	36.3	0.0	40.3	6.8	0.0	V		0.0	44.0	83.5	-39.5									
21237.060	32.9	36.3	0.0	40.3	6.8	0.0	V		0.0	43.8	83.5	-39.7									
21237.060	32.5	36.3	0.0	40.3	6.8	0.0	H		0.0	43.4	83.5	-40.1									
21242.360	32.4	36.3	0.0	40.3	6.8	0.0	V		0.0	43.3	83.5	-40.2									

NORTHWEST		RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002			
EMC															
EUT: MPC13A-20		Work Order: INMC0042													
Serial Number:		Date: 10/10/02													
Customer: INTERMEC Corporation		Temperature: 75													
Attendees: none		Humidity: 38%													
Cust. Ref. No.:		Barometric Pressure: 30.01													
Tested by: Dan Haas		Power: DC power on Enet										Job Site: EV01			
TEST SPECIFICATIONS															
Specification: FCC 15.209												Year: Current 47CFR			
Method: ANSI C63.4												Year: 2000			
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															
Flat Panel Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS												Test Distance (m)		Run #	
Evaluation												1		60	
Other															
Tested By:															
															
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
26457.860	35.0	35.0	0.0	40.5	7.8	0.0	H		0.0	48.3	83.5	-35.2			
25335.330	35.5	36.0	0.0	40.5	7.6	0.0	V		0.0	47.5	83.5	-36.0			
25531.250	35.2	35.9	0.0	40.5	7.6	0.0	V		0.0	47.4	83.5	-36.1			
24938.210	35.8	36.3	0.0	40.4	7.5	0.0	V		0.0	47.4	83.5	-36.1			
24874.680	35.8	36.3	0.0	40.4	7.4	0.0	H		0.0	47.4	83.5	-36.1			
24477.560	35.8	36.4	0.0	40.4	7.2	0.0	H		0.0	47.1	83.5	-36.4			
26468.450	33.7	35.0	0.0	40.5	7.8	0.0	V		0.0	47.0	83.5	-36.5			
25615.960	34.7	35.8	0.0	40.5	7.6	0.0	H		0.0	47.0	83.5	-36.5			
24133.390	35.6	36.4	0.0	40.4	7.0	0.0	V		0.0	46.6	83.5	-36.9			
23106.170	34.8	36.1	0.0	40.4	6.5	0.0	V		0.0	45.5	83.5	-38.0			
21840.690	34.1	36.1	0.0	40.3	7.0	0.0	V		0.0	45.3	83.5	-38.2			
22375.470	34.2	36.0	0.0	40.3	6.8	0.0	V		0.0	45.3	83.5	-38.2			
22078.960	34.0	36.0	0.0	40.3	7.0	0.0	H		0.0	45.3	83.5	-38.2			
22449.600	34.2	36.0	0.0	40.3	6.7	0.0	H		0.0	45.2	83.5	-38.3			
21507.110	34.2	36.2	0.0	40.3	6.9	0.0	H		0.0	45.2	83.5	-38.3			
23323.260	34.4	36.2	0.0	40.4	6.6	0.0	V		0.0	45.1	83.5	-38.4			
23460.930	34.2	36.2	0.0	40.4	6.6	0.0	V		0.0	45.0	83.5	-38.5			
23180.300	34.1	36.2	0.0	40.4	6.5	0.0	H		0.0	44.8	83.5	-38.7			
22799.070	33.7	36.1	0.0	40.4	6.5	0.0	H		0.0	44.5	83.5	-39.0			
21226.470	32.9	36.3	0.0	40.3	6.8	0.0	H		0.0	43.7	83.5	-39.8			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042					
Serial Number:										Date: 10/10/02					
Customer: INTERMEC Corporation										Temperature: 75					
Attendees: none										Humidity: 38%					
Cust. Ref. No.:										Barometric Pressure: 30.01					
Tested by: Dan Haas					Power: DC power on Enet					Job Site: EV01					
TEST SPECIFICATIONS															
Specification: FCC 15.209										Year: Current 47CFR					
Method: ANSI C63.4										Year: 2000					
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															
Yagi Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS										Test Distance (m)		Run #			
Evaluation										1		61			
Other										Tested By:					
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
24917.040	36.2	36.3	0.0	40.4	7.5	0.0	H		0.0	47.8	83.5	-35.7			
24901.150	36.0	36.3	0.0	40.4	7.4	0.0	V		0.0	47.6	83.5	-35.9			
25732.450	35.0	35.7	0.0	40.5	7.6	0.0	V		0.0	47.4	83.5	-36.1			
26452.560	34.1	35.0	0.0	40.5	7.8	0.0	H		0.0	47.4	83.5	-36.1			
24652.290	35.8	36.3	0.0	40.4	7.3	0.0	V		0.0	47.2	83.5	-36.3			
25647.730	34.8	35.8	0.0	40.5	7.6	0.0	H		0.0	47.1	83.5	-36.4			
26473.740	33.7	35.0	0.0	40.5	7.8	0.0	V		0.0	47.0	83.5	-36.5			
25414.760	34.9	36.0	0.0	40.5	7.6	0.0	H		0.0	47.0	83.5	-36.5			
25356.510	34.8	36.0	0.0	40.5	7.6	0.0	V		0.0	46.8	83.5	-36.7			
22354.290	34.5	36.0	0.0	40.3	6.8	0.0	H		0.0	45.6	83.5	-37.9			
21411.800	34.6	36.2	0.0	40.3	6.9	0.0	V		0.0	45.6	83.5	-37.9			
23831.580	34.7	36.3	0.0	40.4	6.8	0.0	H		0.0	45.6	83.5	-37.9			
21432.980	34.5	36.2	0.0	40.3	6.9	0.0	H		0.0	45.5	83.5	-38.0			
21634.180	34.2	36.1	0.0	40.3	6.9	0.0	V		0.0	45.3	83.5	-38.2			
23106.170	34.6	36.1	0.0	40.4	6.5	0.0	V		0.0	45.3	83.5	-38.2			
23317.970	34.5	36.2	0.0	40.4	6.6	0.0	H		0.0	45.2	83.5	-38.3			
23365.620	34.4	36.2	0.0	40.4	6.6	0.0	V		0.0	45.2	83.5	-38.3			
23084.990	34.4	36.1	0.0	40.4	6.4	0.0	H		0.0	45.1	83.5	-38.4			
21231.770	34.2	36.3	0.0	40.3	6.8	0.0	V		0.0	45.0	83.5	-38.5			
22862.610	33.9	36.1	0.0	40.4	6.5	0.0	V		0.0	44.7	83.5	-38.8			

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET										REV df3.00 08/20/2002	
EUT: MPC13A-20										Work Order: INMC0042											
Serial Number:										Date: 10/10/02											
Customer: INTERMEC Corporation										Temperature: 75											
Attendees: none										Humidity: 38%											
Cust. Ref. No.:										Barometric Pressure: 30.01											
Tested by: Dan Haas										Power: DC power on Enet										Job Site: EV01	
TEST SPECIFICATIONS																					
Specification: FCC 15.209										Year: Current 47CFR											
Method: ANSI C63.4										Year: 2000											
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																					
Omni Antennas, High Channel																					
EUT OPERATING MODES																					
Transmitting on both radios																					
DEVIATIONS FROM TEST STANDARD																					
No deviations.																					
RESULTS										Test Distance (m)			Run #								
Evaluation										1			62								
Other																					
										Tested By: _____											
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)									
25700.680	35.6	35.7	0.0	40.5	7.6	0.0	H		0.0	48.0	83.5	-35.5									
24959.390	36.3	36.3	0.0	40.4	7.5	0.0	V		0.0	47.9	83.5	-35.6									
26336.070	34.5	35.2	0.0	40.5	7.8	0.0	V		0.0	47.6	83.5	-35.9									
24964.690	35.9	36.3	0.0	40.4	7.5	0.0	H		0.0	47.5	83.5	-36.0									
26261.950	34.2	35.2	0.0	40.5	7.8	0.0	V		0.0	47.2	83.5	-36.3									
25584.200	34.9	35.8	0.0	40.5	7.6	0.0	V		0.0	47.2	83.5	-36.3									
26415.500	33.8	35.1	0.0	40.5	7.8	0.0	H		0.0	47.0	83.5	-36.5									
25473.000	34.8	35.9	0.0	40.5	7.6	0.0	V		0.0	46.9	83.5	-36.6									
24154.570	35.9	36.4	0.0	40.4	7.0	0.0	V		0.0	46.9	83.5	-36.6									
24218.110	35.6	36.4	0.0	40.4	7.0	0.0	H		0.0	46.7	83.5	-36.8									
24477.560	35.4	36.4	0.0	40.4	7.2	0.0	V		0.0	46.7	83.5	-36.8									
23339.150	35.6	36.2	0.0	40.4	6.6	0.0	H		0.0	46.3	83.5	-37.2									
22258.980	34.7	36.0	0.0	40.3	6.8	0.0	H		0.0	45.9	83.5	-37.6									
23932.180	34.9	36.4	0.0	40.4	6.9	0.0	V		0.0	45.8	83.5	-37.7									
21941.290	34.4	36.0	0.0	40.3	7.0	0.0	V		0.0	45.7	83.5	-37.8									
22380.770	34.2	36.0	0.0	40.3	6.8	0.0	H		0.0	45.3	83.5	-38.2									
22184.860	34.0	36.0	0.0	40.3	6.9	0.0	V		0.0	45.2	83.5	-38.3									
23069.110	34.5	36.1	0.0	40.4	6.4	0.0	H		0.0	45.2	83.5	-38.3									
21538.880	34.1	36.2	0.0	40.3	6.9	0.0	H		0.0	45.1	83.5	-38.4									
23079.700	34.4	36.1	0.0	40.4	6.4	0.0	V		0.0	45.1	83.5	-38.4									

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				REV df3.00 08/20/2002	
EUT: MPC13A-20								Work Order: INMC0042							
Serial Number:								Date: 10/10/02							
Customer: INTERMEC Corporation								Temperature: 75							
Attendees: none								Humidity: 38%							
Cust. Ref. No.:								Barometric Pressure: 30.01							
Tested by: Dan Haas						Power: DC power on Enet		Job Site: EV01							
TEST SPECIFICATIONS															
Specification: FCC 15.209								Year: Current 47CFR							
Method: ANSI C63.4								Year: 2000							
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															
Dipole Antennas, High Channel															
EUT OPERATING MODES															
Transmitting on both radios															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
RESULTS								Test Distance (m)		Run #					
Evaluation								1		63					
Other								Tested By:							
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Chamber (dB)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector (blank equal peaks [PK] from scan)	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
24938.210	35.9	36.3	0.0	40.4	7.5	0.0	V		0.0	47.5	83.5	-36.0			
26463.150	34.1	35.0	0.0	40.5	7.8	0.0	V		0.0	47.4	83.5	-36.1			
25610.670	35.1	35.8	0.0	40.5	7.6	0.0	V		0.0	47.4	83.5	-36.1			
25637.140	35.0	35.8	0.0	40.5	7.6	0.0	H		0.0	47.3	83.5	-36.2			
24932.920	35.6	36.3	0.0	40.4	7.5	0.0	H		0.0	47.2	83.5	-36.3			
25896.600	34.6	35.6	0.0	40.5	7.7	0.0	V		0.0	47.2	83.5	-36.3			
26484.330	33.7	35.0	0.0	40.5	7.8	0.0	H		0.0	47.0	83.5	-36.5			
24551.690	35.7	36.3	0.0	40.4	7.2	0.0	H		0.0	47.0	83.5	-36.5			
26230.180	33.9	35.3	0.0	40.5	7.8	0.0	V		0.0	46.9	83.5	-36.6			
25197.670	34.8	36.1	0.0	40.5	7.5	0.0	H		0.0	46.7	83.5	-36.8			
24207.520	35.6	36.4	0.0	40.4	7.0	0.0	V		0.0	46.7	83.5	-36.8			
24048.670	35.1	36.4	0.0	40.4	6.9	0.0	H		0.0	46.0	83.5	-37.5			
23095.580	34.7	36.1	0.0	40.4	6.4	0.0	V		0.0	45.4	83.5	-38.1			
21432.980	34.4	36.2	0.0	40.3	6.9	0.0	H		0.0	45.4	83.5	-38.1			
23016.160	34.5	36.1	0.0	40.4	6.4	0.0	H		0.0	45.2	83.5	-38.3			
21777.150	33.9	36.1	0.0	40.3	7.0	0.0	H		0.0	45.1	83.5	-38.4			
21607.710	34.0	36.2	0.0	40.3	6.9	0.0	V		0.0	45.1	83.5	-38.4			
23312.670	34.2	36.2	0.0	40.4	6.6	0.0	V		0.0	44.9	83.5	-38.6			
22322.520	33.8	36.0	0.0	40.3	6.8	0.0	H		0.0	44.9	83.5	-38.6			
23376.210	34.1	36.2	0.0	40.4	6.6	0.0	V		0.0	44.9	83.5	-38.6			