

MEASUREMENT/TECHNICAL REPORT



Technologies Corporation

EMC Test Laboratory

Cedar Rapids, IA

**Intermec Technologies Corporation
IV6 Transmitter Co-Location of
FCC ID: EHARFID915PCC-6 (IC: 1223A-RFIDPCC6)
And
FCC ID: HN2-C30XX (IC: 1223A-C30XX)**

REPORT NO: 041116-2

DATE: November 16, 2004

Appendix E

AC WIRELINE CONDUCTED EMISSIONS

Page 2-5 IV6 Collocation TX, AC Wireline Emissions

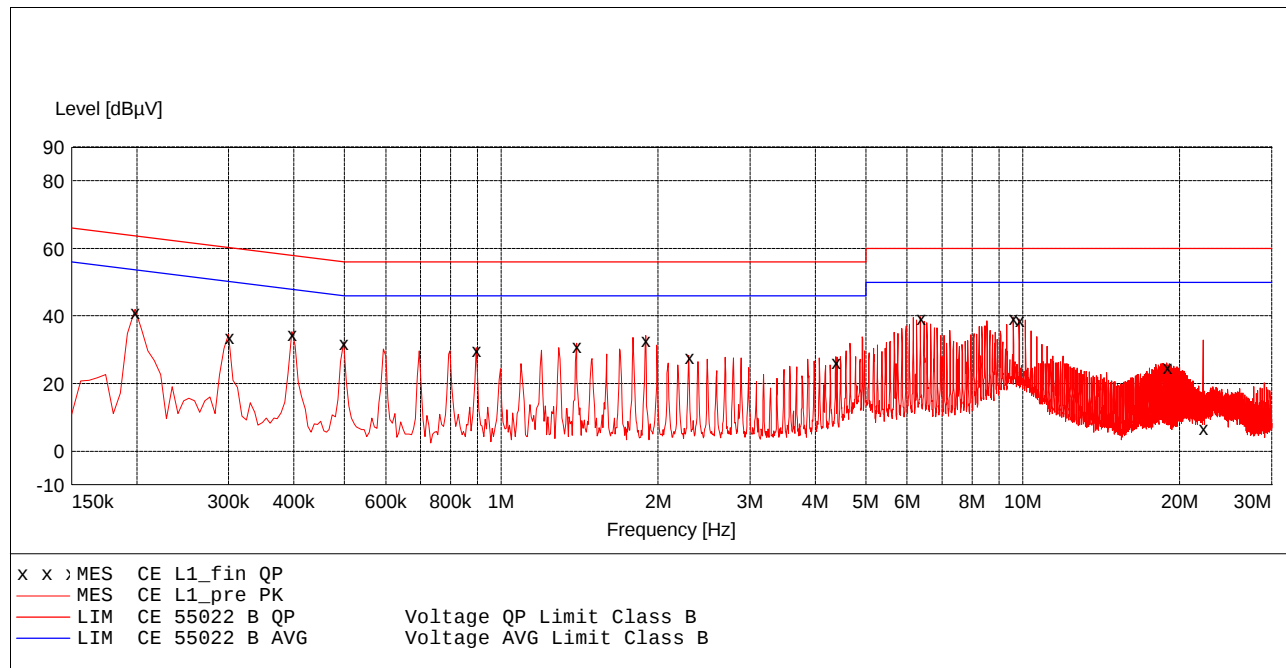
Intermec Technologies Corporation

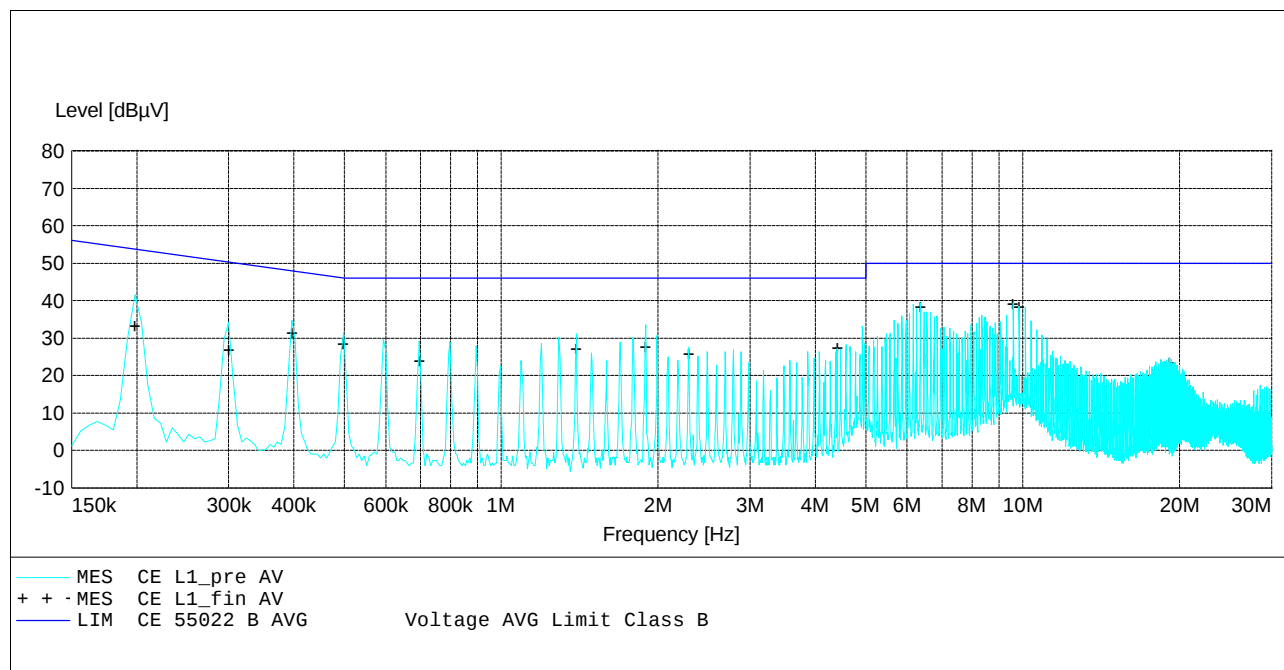
Emission Test

EUT: IV6 with AC-DC Supply PN 065236
Manufacturer / Eng.: Intermec / J Johnson
Operating Condition: emission test program
Test Site: EMC Lab, Cedar Rapids IA
Operator: df
Test Specification: CISPR 22 Class B
Comment: Max test, L1 Side, 120V BT and RFID co-located TX
Start of Test: 12/14/04 / 9:43:42AM

SCAN TABLE: "CE ESI R&S L1"

Short Description:	EN 55022 Voltage L1 Side					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency	Frequency	Width				
150.0 kHz	30.0 MHz	6.0 kHz	MaxPeak	1.0 ms	9 kHz	C LISN R&S L1
			Average			





MEASUREMENT RESULT: "CE L1_fin QP"

12/14/04 9:48AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.198000	41.20	0.00	63.70	22.50	L1	GND
0.300000	33.80	0.00	60.20	26.40	L1	GND
0.396000	34.60	0.00	57.90	23.30	L1	GND
0.498000	31.90	0.00	56.00	24.20	L1	GND
0.894000	29.80	0.00	56.00	26.20	L1	GND
1.392000	31.00	0.00	56.00	25.00	L1	GND
1.890000	32.90	0.20	56.00	23.10	L1	GND
2.286000	27.90	0.20	56.00	28.10	L1	GND
4.374000	26.30	0.20	56.00	29.70	L1	GND
6.360000	39.40	0.20	60.00	20.60	L1	GND
9.588000	39.40	0.20	60.00	20.60	L1	GND
9.846000	38.90	0.20	60.00	21.10	L1	GND
18.882000	25.00	0.00	60.00	35.00	L1	GND
22.134000	6.90	-0.20	60.00	53.10	L1	GND

MEASUREMENT RESULT: "CE L1_fin AV"

12/14/04 9:48AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.198000	33.40	0.00	53.70	20.30	L1	GND
0.300000	26.90	0.00	50.20	23.40	L1	GND
0.396000	31.60	0.00	47.90	16.30	L1	GND
0.498000	28.50	0.00	46.00	17.50	L1	GND
0.696000	24.00	0.00	46.00	22.00	L1	GND
1.392000	27.20	0.00	46.00	18.80	L1	GND
1.890000	27.60	0.20	46.00	18.40	L1	GND
2.286000	25.80	0.20	46.00	20.20	L1	GND
4.404000	27.40	0.20	46.00	18.60	L1	GND
6.360000	38.40	0.20	50.00	11.60	L1	GND
9.588000	39.20	0.20	50.00	10.80	L1	GND
9.846000	38.50	0.20	50.00	11.50	L1	GND
19.080000	23.30	0.00	50.00	26.70	L1	GND
20.868000	14.50	-0.10	50.00	35.50	L1	GND

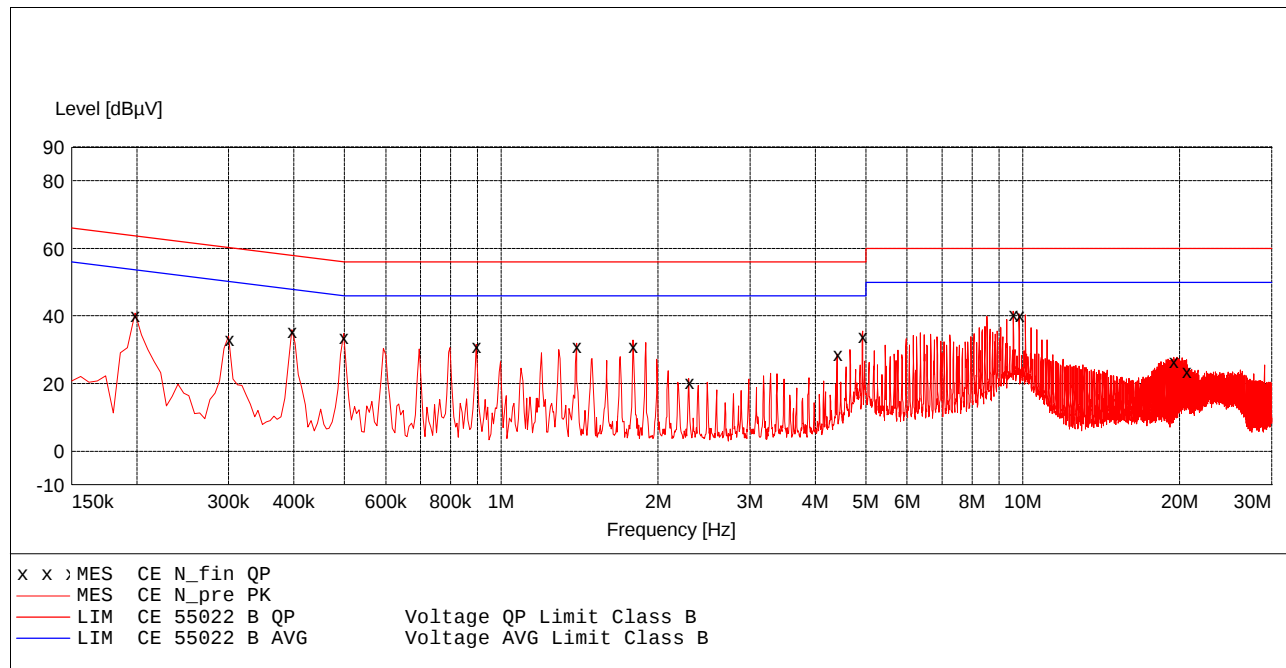
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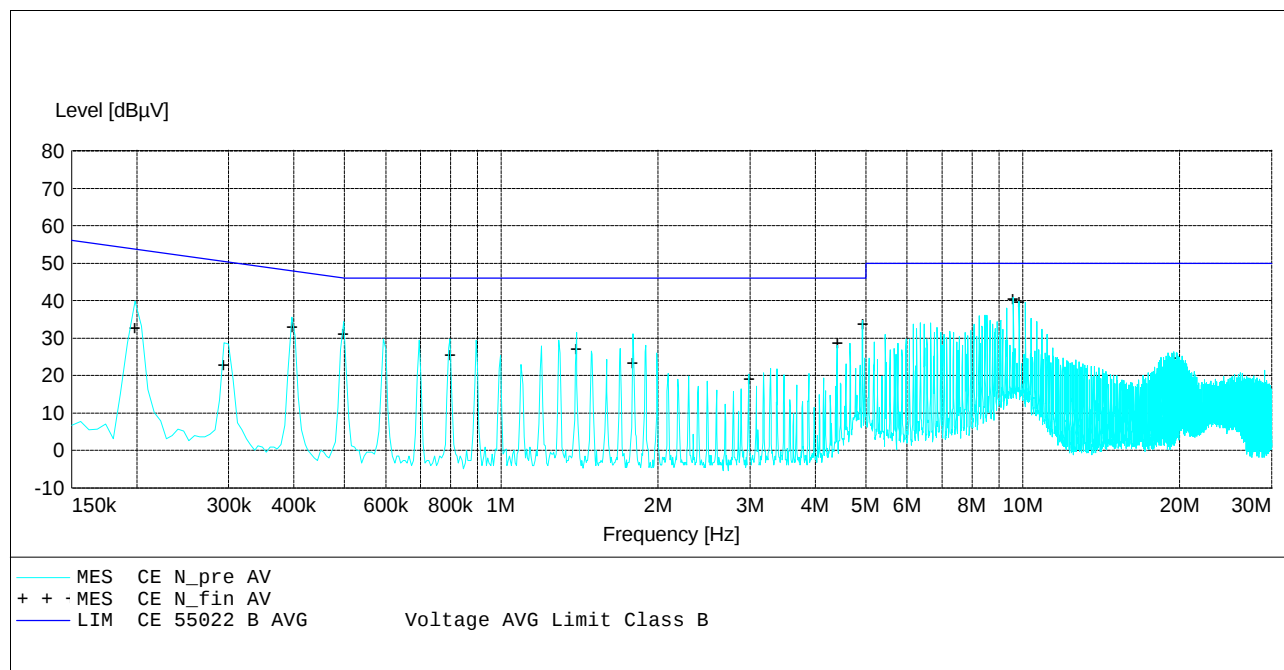
Emission Test

EUT: IV6 with AC-DC Supply PN 065236
Manufacturer / Eng.: Intermec / J Johnson
Operating Condition: emission test program
Test Site: EMC Lab, Cedar Rapids IA
Operator: df
Test Specification: CISPR 22 Class B
Comment: Max test, N Side, 120V, BT and RFID co-located TX
Start of Test: 12/14/04 / 9:50:54AM

SCAN TABLE: "CE ESI R&S N"

Short Description:			EN 55022 Voltage N Side			
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
150.0 kHz	30.0 MHz	6.0 kHz	MaxPeak	1.0 ms	9 kHz	C LISN R&S N
			Average			





MEASUREMENT RESULT: "CE N_fin QP"

12/14/04 9:57AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.198000	40.20	0.00	63.70	23.50	N	GND
0.300000	33.40	0.00	60.20	26.80	N	GND
0.396000	35.50	0.00	57.90	22.50	N	GND
0.498000	33.90	0.00	56.00	22.10	N	GND
0.894000	31.10	0.00	56.00	24.90	N	GND
1.392000	31.20	0.00	56.00	24.80	N	GND
1.788000	31.20	0.10	56.00	24.80	N	GND
2.286000	20.30	0.20	56.00	35.70	N	GND
4.404000	28.80	0.20	56.00	27.20	N	GND
4.926000	34.20	0.20	56.00	21.80	N	GND
9.588000	40.60	0.30	60.00	19.40	N	GND
9.846000	40.20	0.30	60.00	19.80	N	GND
19.482000	26.70	0.20	60.00	33.30	N	GND
20.574000	23.60	0.10	60.00	36.40	N	GND

MEASUREMENT RESULT: "CE N_fin AV"

12/14/04 9:57AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.198000	32.70	0.00	53.70	21.00	N	GND
0.294000	22.90	0.00	50.40	27.50	N	GND
0.396000	33.10	0.00	47.90	14.80	N	GND
0.498000	31.10	0.00	46.00	14.90	N	GND
0.798000	25.50	0.00	46.00	20.50	N	GND
1.392000	27.20	0.00	46.00	18.80	N	GND
1.788000	23.30	0.10	46.00	22.70	N	GND
2.982000	19.30	0.20	46.00	26.70	N	GND
4.404000	28.60	0.20	46.00	17.40	N	GND
4.926000	34.00	0.20	46.00	12.00	N	GND
9.588000	40.50	0.30	50.00	9.50	N	GND
9.846000	39.60	0.30	50.00	10.40	N	GND
19.482000	24.60	0.20	50.00	25.40	N	GND
20.574000	18.80	0.10	50.00	31.20	N	GND