

MEASUREMENT/TECHNICAL REPORT



**Intermec Technologies Corporation
RF Identification (RFID) 915 PC Card –6
915 MHz Spread Spectrum Transmitter**

REPORT NO: 010416-1

DATE: April 16, 2001

APPENDIX H

THE FOLLOWING PAGES INCLUDE;

AC Conducted Emissions on the following:

915PCC-6 installed within Dell Laptop

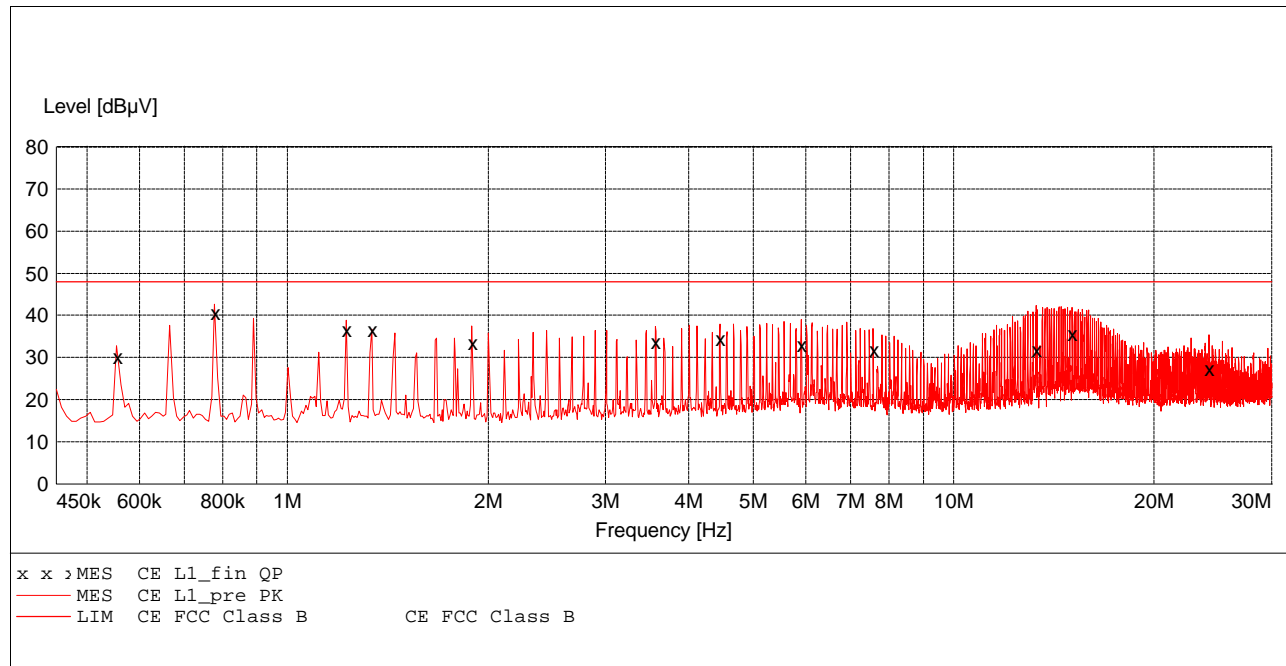
915PCC-6 installed within Intermec 6110

Intermec Technologies Corporation
Emission Test

EUT: RFID 915 PC Card -6 within Laptop PC
 Manufacturer / Eng.: Intermec / R Kraus
 Operating Condition: emissions test program
 Test Site: EMC Lab, Cedar Rapids IA
 Operator: df
 Test Specification: FCC Class B
 Comment: MAX test, L1 Side, 120 VAC
 Start of Test: 6/12/01 / 2:47:28PM

SCAN TABLE: "CE FCC R&S L1"

Short Description:			FCC Voltage L1 Side				
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
450.0 kHz	30.0 MHz	8.0 kHz	MaxPeak	20.0 ms	10 kHz	C LISN R&S L1	



MEASUREMENT RESULT: "CE L1_fin QP"

6/12/01 3:02PM

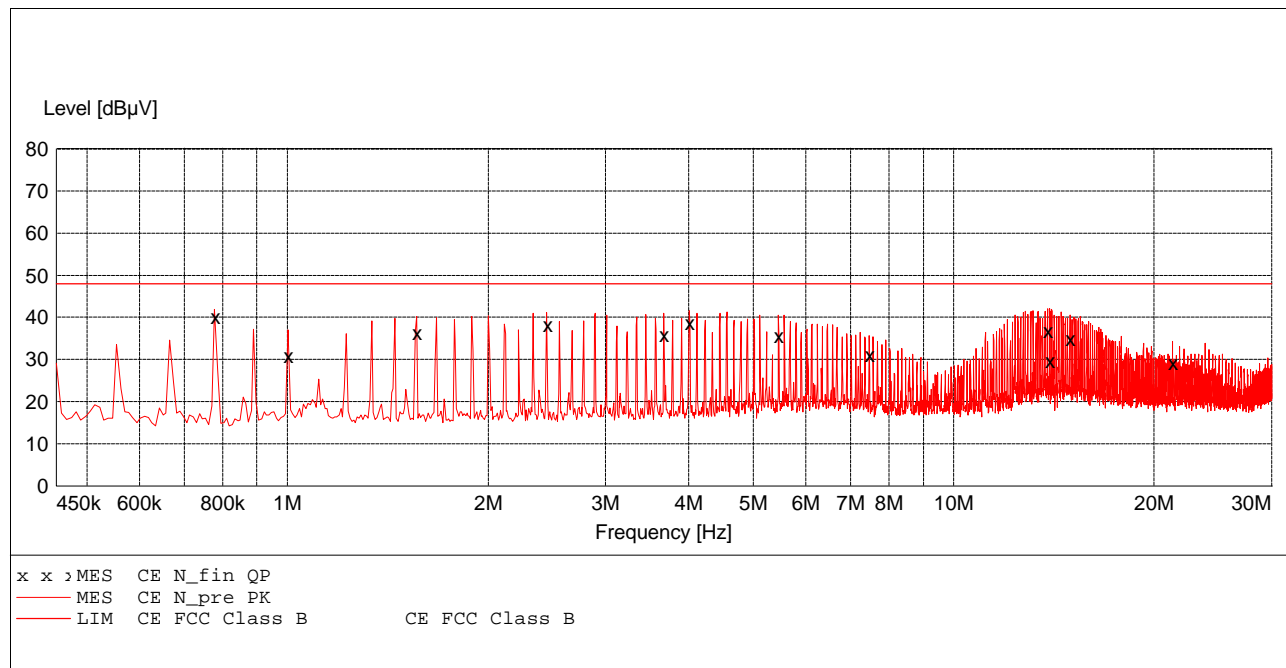
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.554000	30.30	10.10	48.00	17.70	L1	GND
0.778000	40.70	10.20	48.00	7.30	L1	GND
1.226000	36.60	10.20	48.00	11.40	L1	GND
1.338000	36.60	10.20	48.00	11.40	L1	GND
1.890000	33.40	10.10	48.00	14.60	L1	GND
3.562000	33.70	10.50	48.00	14.30	L1	GND
4.458000	34.50	10.60	48.00	13.50	L1	GND
5.906000	33.10	10.70	48.00	14.90	L1	GND
7.578000	31.90	10.80	48.00	16.10	L1	GND
13.274000	31.90	11.10	48.00	16.10	L1	GND
15.050000	35.80	11.30	48.00	12.20	L1	GND
24.162000	27.40	11.90	48.00	20.60	L1	GND

Intermec Technologies Corporation
Emission Test

EUT: RFID 915 PC Card -6 within Laptop PC
 Manufacturer / Eng.: Intermec / R Kraus
 Operating Condition: emissions test program
 Test Site: EMC Lab, Cedar Rapids IA
 Operator: df
 Test Specification: FCC Class B
 Comment: MAX test, N Side, 120 VAC
 Start of Test: 6/12/01 / 3:04:25PM

SCAN TABLE: "CE FCC R&S N"

Short Description:			FCC Voltage N Side				Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
450.0 kHz	30.0 MHz	8.0 kHz	MaxPeak	20.0 ms	10 kHz	C LISN R&S N	



MEASUREMENT RESULT: "CE N_fin QP"

6/12/01 3:16PM

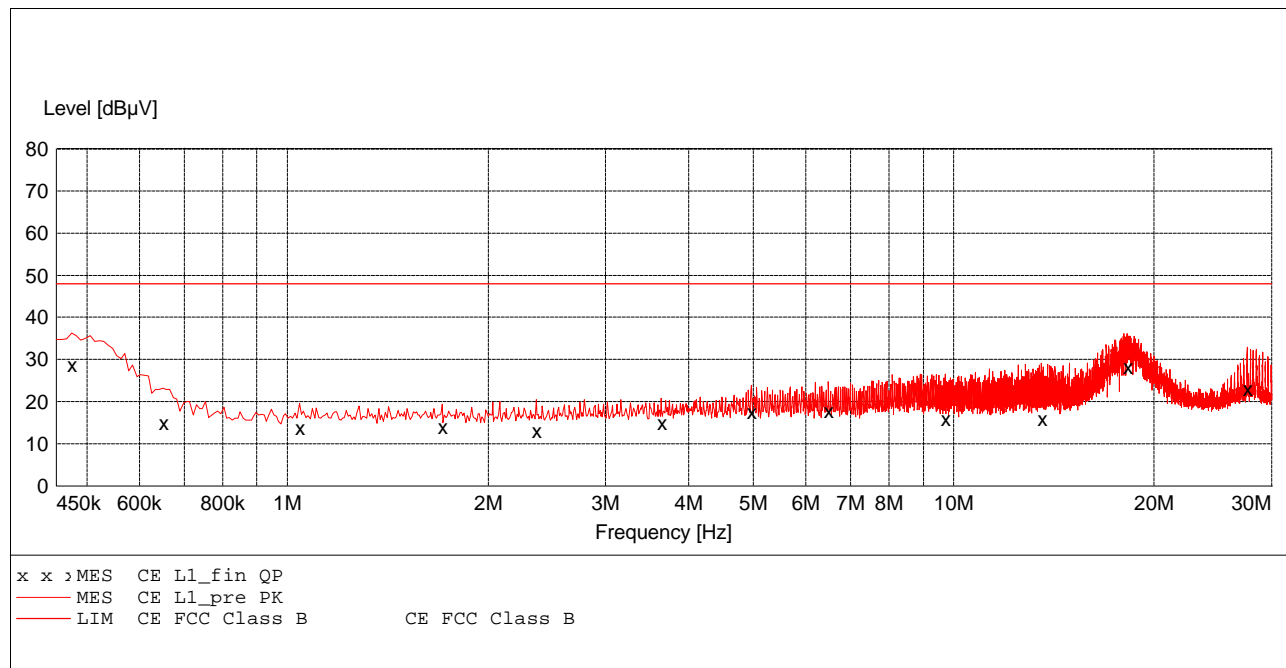
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.778000	40.20	10.20	48.00	7.80	N	GND
1.002000	30.90	10.20	48.00	17.10	N	GND
1.562000	36.40	10.20	48.00	11.60	N	GND
2.450000	38.30	10.20	48.00	9.70	N	GND
3.674000	35.90	10.50	48.00	12.10	N	GND
4.010000	38.80	10.60	48.00	9.20	N	GND
5.458000	35.60	10.60	48.00	12.40	N	GND
7.466000	31.20	10.80	48.00	16.80	N	GND
13.818000	36.70	11.10	48.00	11.30	N	GND
13.914000	29.70	11.10	48.00	18.30	N	GND
14.938000	35.00	11.20	48.00	13.00	N	GND
21.274000	29.30	11.60	48.00	18.70	N	GND

Intermec Technologies Corporation
Emission Test

EUT: RFID 915 PC Card -6 within 6110
 Manufacturer / Eng.: Intermec / R Kraus
 Operating Condition: emissions test program
 Test Site: EMC Lab, Cedar Rapids IA
 Operator: df
 Test Specification: FCC Class B
 Comment: MAX test, L1 Side, 120 VAC
 Start of Test: 6/7/01 / 4:17:12PM

SCAN TABLE: "CE FCC R&S L1"

Short Description:			FCC Voltage L1 Side				Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
450.0 kHz	30.0 MHz	8.0 kHz	MaxPeak	20.0 ms	10 kHz	C LISN R&S L1	



MEASUREMENT RESULT: "CE L1_fin QP"

6/7/01 4:29PM

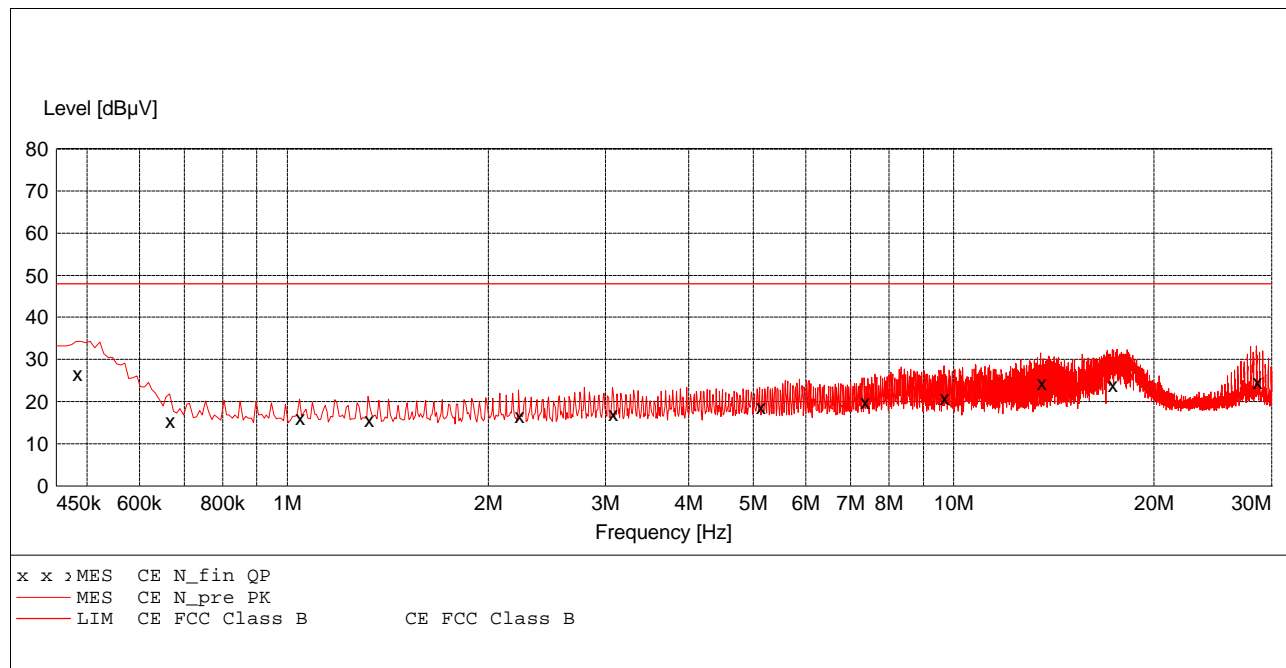
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.474000	28.80	10.10	48.00	19.20	L1	GND
0.650000	15.10	10.10	48.00	32.90	L1	GND
1.042000	13.70	10.20	48.00	34.30	L1	GND
1.706000	14.10	10.20	48.00	33.90	L1	GND
2.362000	13.00	10.20	48.00	35.00	L1	GND
3.642000	14.90	10.50	48.00	33.10	L1	GND
4.970000	17.60	10.60	48.00	30.40	L1	GND
6.482000	17.80	10.70	48.00	30.20	L1	GND
9.698000	16.00	10.80	48.00	32.00	L1	GND
13.530000	16.00	11.20	48.00	32.00	L1	GND
18.226000	28.20	11.70	48.00	19.80	L1	GND
27.554000	23.20	12.00	48.00	24.80	L1	GND

Intermec Technologies Corporation
Emission Test

EUT: RFID 915 PC Card -6 within 6110
 Manufacturer / Eng.: Intermec / R Kraus
 Operating Condition: emissions test program
 Test Site: EMC Lab, Cedar Rapids IA
 Operator: df
 Test Specification: FCC Class B
 Comment: MAX test, N Side, 120 VAC
 Start of Test: 6/7/01 / 4:34:18PM

SCAN TABLE: "CE FCC R&S N"

Short Description:			FCC Voltage N Side				Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
Frequency	Frequency	Width					
450.0 kHz	30.0 MHz	8.0 kHz	MaxPeak	20.0 ms	10 kHz	C LISN R&S N	



MEASUREMENT RESULT: "CE N_fin QP"

6/7/01 4:49PM

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBµV	dB	dBµV	dB		
0.482000	26.60	10.10	48.00	21.40	N	GND
0.666000	15.50	10.10	48.00	32.50	N	GND
1.042000	16.30	10.20	48.00	31.70	N	GND
1.322000	15.80	10.20	48.00	32.20	N	GND
2.226000	16.80	10.10	48.00	31.20	N	GND
3.074000	17.10	10.30	48.00	30.90	N	GND
5.114000	18.80	10.60	48.00	29.20	N	GND
7.338000	19.90	10.80	48.00	28.10	N	GND
9.658000	20.90	10.70	48.00	27.10	N	GND
13.498000	24.60	11.00	48.00	23.40	N	GND
17.282000	24.00	11.50	48.00	24.00	N	GND
28.490000	24.80	12.00	48.00	23.20	N	GND