15.247 Certification FCC ID : IMKRL26330M

EMI TEST REPORT

On

RangeLAN2 - 6330 Micro ISA Design-in Card Centurion CXR-2.4 GHz-TNSP 1.0 dBi antenna Intermec 248X SMB 1.0 dBi Antenna Intermec 2.4 GHz SMB 1.5 dBi antenna Intermec 2.4 GHz TNC 1.0 dBi antenna Intermec 2.4 GHz SMC1.0 dBi Antenna Norand F – Style 1.0 dBi Antenna

Prepared for

Proxim, Inc. 295 N. Bernardo Ave Mountain View, CA 94043 Tel: (650)960-1630 Fax: (650)960-1984

Prepared by

Electronic Compliance Laboratories Inc. 1249 Birchwood Dr. Sunnyvale, CA 94089 Tel: (408) 747-1490 Fax: (408) 747-1495

Test Report Number: A812005 Date of Test: December 9 and 11, 1998 If this document is reproduced, it must be reproduced in its entirety.





Table of Contents

1.0 Test Facility	3
2.0 Test Equipment	
3.0 EUT	
4.0 Support Equipment	3
5.0 Equipment Configuration	
6.0 Summary Of Tests	5
APPENDIX A Spread Spectrum Plots	8
APPENDIX B Restricted Band Data	21
APPENDIX C 15.207 Conducted Emissions	23
APPENDIX D 15.209 Radiated Emissions	27
APPENDIX E Set Up Photos	
APPENDIX F Antenna Information	

1.0 TEST FACILITY

Name:	Electronic Compliance Laboratories
Location:	1249 Birchwood Dr.
	Sunnyvale, CA 94089
Site Filing:	A site description is on file at the Federal Communications Commission
	P.O. Box 429
	Columbia, MD 21045
NVLAP LAB CODE:	200089
Types of Sites:	Open Field Radiated and Indoor Screen Room (Line
	Conducted). All sites are constructed and calibrated to meet ANSI C63.4-1994 requirements.

2.0 TEST EQUIPMENT

Description	Manufacturer	Model	SN
EMI Receiver	HP	8546A	3325A00137
Spectrum Analyzer	HP	8563A	3137A01183
Preamp	HP	8447F	3113A05849
Preamp	HP	8449B	3008A00527
LISN	EM	ANS-25/2	2532
Biconical Antenna	EM	EM 6912	414
Log Periodic Ant	EM	EM 6950	311
Double Ridge Horn	EM	EM 6961	6231
Filter BP 1.2-45 GHz	FSY	HM 1160-1155	001
Filter BP 4-10 GHz	FSY	HM 2950-1565	001
Filter BP 10-18 GHz	FSY	HP 8601- 7SS	001

3.0 EUT

<u>RangeLAN2 – 6330</u>	<u> </u>
Model Number	- 6330
Serial Number	- 0005
FCC ID:	- IMKRL26330M

4.0 SUPPORT EQUIPMENT

Dell Computer	- M/N 466LN	S/N 5Q8D4
Logitech Mouse	- M/N M-S34-6MD	S/N LZA54637080
Packard Bell Keyboard	- M/N 7939	S/N 841180007
KFC Monitor	- M/N CA1511	S/N A4KKU4931207

Centurion CXR-2.4 GHz-TNSP 1.0 dBi AntennaP/N CAF28771Intermec 248X SMB 1.0 dBi AntennaP/N 066147Intermec 2.4 GHz SMB 1.5 dBi AntennaP/N 063825Intermec 2.4 GHz TNC 1.0 dBi AntennaP/N 060751Intermec 2.4 GHz SMC1.0 dBi AntennaP/N 060750NorandF – Style 1.0 dBi AntennaP/N 650-277

5.0 EQUIPMENT CONFIGURATION

The RangeLAN2 6307-05 Mini ISA Design-in card was designed to be a drop-in spread spectrum device that has already been FCC certified so that customers purchasing the product would not have to apply for an intentional radiator certification.

In order to prove the module will pass all requirements in a stand alone configuration a desktop PC was used to provide DC power and to allow test commands to be sent and data received. The card was placed outside of the PC shell.

All of the equipment and cables were placed in worst case positions to maximize emissions.

Interconnecting cables were of the type and length specified in the individual equipment requirements.

Grounding was in accordance with the manufacturer requirements and conditions for intended use.

6.0 SUMMARY OF TESTS

The RangeLAN2 6330-05 is a mcroi ISA card with a low power frequency hopping spread spectrum (FHSS) radio system operating in the 2400-2483.5 MHz band. Tests were performed with one antenna. Test firmware resident in the EUT and RL2DIAG.exe were used to do the test.

6.1 15.247(a)(1) FREQUENCY HOPPING SYSTEMS

RangeLAN2 - 6330 uses 79 channels, each 1 MHz wide. The system hops over one of 15 pseudorandom sequences. On average, each channel is used equally. Please refer to "RangeLAN2 – Frequency Hopping Theory of Operation" attached to this submission for more details.

6.1.1 **15.247(a)(1)(ii) CHANNEL UTILIZATION**

A spectrum analyzer plots labeled "Channel Utilization". The total number of channels is 79. The channels used have nominal center frequencies of 2402 through 2480 MHz. Three spectrum analyzer MAX HOLD plots labeled "20 dB Bandwidth" show the 20 dB bandwidth of the hopping channel to be < 1 MHz (1.0 / .90 / .99 MHz) at the low/midband/high frequencies of 2.402 / 2.440 / 2.480 GHz. **Test Plots are shown in Appendix A.**

Zero span spectrum analyzer plot labeled "Dwell Time" shows Worst case transmission time in a given slot: 18 mS elapsed time, <100 % duty Maximum allowed: 400 msec.

Test Data in Appendix A.

6.1.2 **15.247(b)** MAXIMUM PEAK OUTPUT POWER

The three spectrum analyzer plots labeled " Output Power" show the maximum power of the hopping channel to be 19.97 dBm or 99.3 mW. The EUT was made to transmit uninterrupted random data on each of the low/mid/high channels. **Test Plots are shown in Appendix A.**

The output was taken from an MCX connector, through 6 in. cable to the spectrum analyzer set on Max Hold with no additional attenuation.

Power = 19.67 dBm (peak reading) +0.3 dB cable loss = +19.97 dBm / 99.3 mW EIRP Limit: +30 dBm / 1 W maximum power

Intermec 2.4 GHz SMB 1.5 dBi Antenna EIRP = +19.97 (peak power) +1.5 (peak gain, dBi) = +21.47 dBm / 140 mW EIRP Limit: +36 dBm / 4 W maximum EIRP

6.1.3 15.247(c) OUT OF BAND EMISSIONS

The spectrum analyzer plots titled "Out of Band - Band Edges" shows the output spectrum of the EUT while hopping one of the pseudorandom sequences and continuously transmitting packetized data. The analyzer was placed in MAX HOLD mode, and individual sweeps were recorded continually for 10 minutes with the same spectrum analyzer connection as was used for peak output power. The resultant plot shows that the EUT emissions remain inside the 2400 - 2483.5 MHz band when measured in >= 100 kHz bandwidth during operation.

The spectrum analyzer plots labeled "Out of Band 30 to 1000 MHz", " Out of Band 1 to 2.75 GHz", and "Out of Band 2.75 to 26.5 GHz" show that emissions measured in >= 100 kHz bandwidth are more than 20 dB below the highest level of the desired power outside of the 2400 - 2483.5 MHz band. **Test Plots are shown in Appendix A.**

6.1.4 15.203 ANTENNA REQUIREMENT

This product has uses an MMCX type antenna connector to provide a unique coupling to the intentional radiator. The Manufacture's control drawings, and the antenna drawings are in **Appendix B**.

6.1.5 15.205 RESTRICTED BAND RADIATION LIMITS

The EUT was placed on a wooden table resting on a turntable. The wooden table was approximately 1 meter above the groundplane of the 3 meter test site. The search antenna was moved in to 1 meter when necessary to improve the noise floor, and the appropriate range factor was applied. While the EUT was transmitting uninterrupted random data on each of the low/mid/high channels and with the spectrum analyzer on MAX HOLD, the turntable was rotated, and the search antenna raised and lowered in an attempt to maximize the received radiated emission level. **Test results are attached in Appendix C** in tabular form showing that no spurious signals were detected above the 74 dBuV/m peak/54dBuV/m average limits. Peak measurements were made with a RBW and VBW = 1 MHz. Average measurements were made with a RBW = 1 MHz and a VBW = 10 Hz.

6.1.6 15.207 AC LINE CONDUCTED EMISSIONS

The RF line conducted levels for emissions in the 0.45 - 30 MHz band must not exceed 250 μ V when measured with a LISN. Attached graphs and tabular data show that emissions are below the 250 μ V (48 dB μ V) maximum allowed level. **Test Data is in Appendix D**.

6.1.7 15.209 RADIATED EMISSIONS

with

The attached table shows that the Class B radiated limits from 30 - 1000 MHz are not exceeded by the EUT. The EUT was operating normally a combination of transmission and reception and hopping one of the fifteen pseudorandom sequences during this test. The EUT was placed near one edge of a wooden table resting on a turntable. The wooden table was approximately 1 meter above the groundplane of the 3 meter test site. The search antennas were located at 3 meters. Measurements were made in accordance with ANSI C63.4-1994. **Test Data is in**

Appendix E.

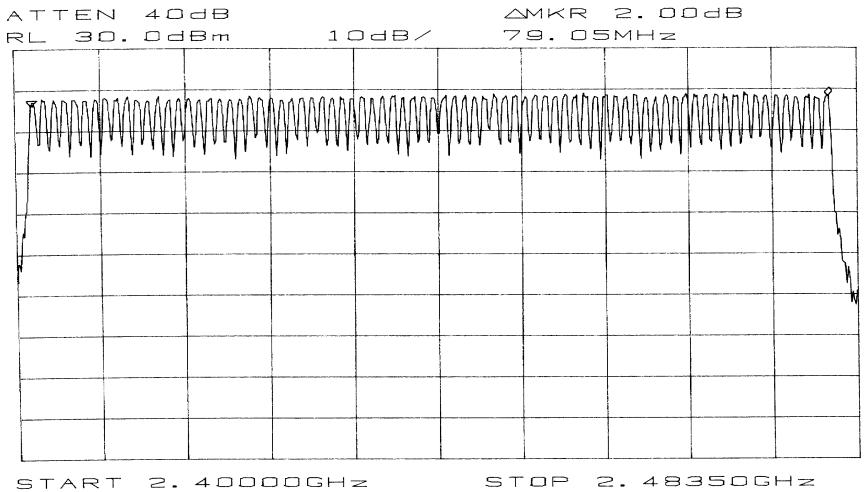
Electronic Compliance Laboratories

Chris Byleckie Technical Director Date

APPENDIX A

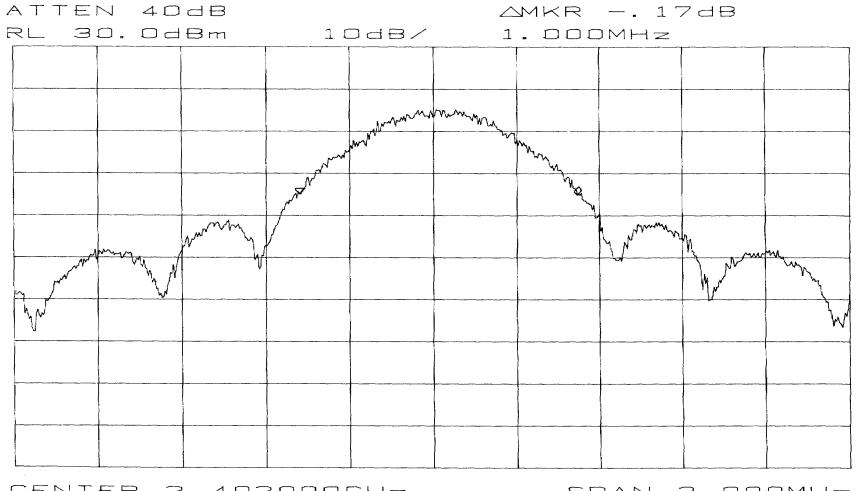
SPREAD SPECTRUM PLOTS

Channel Utilization

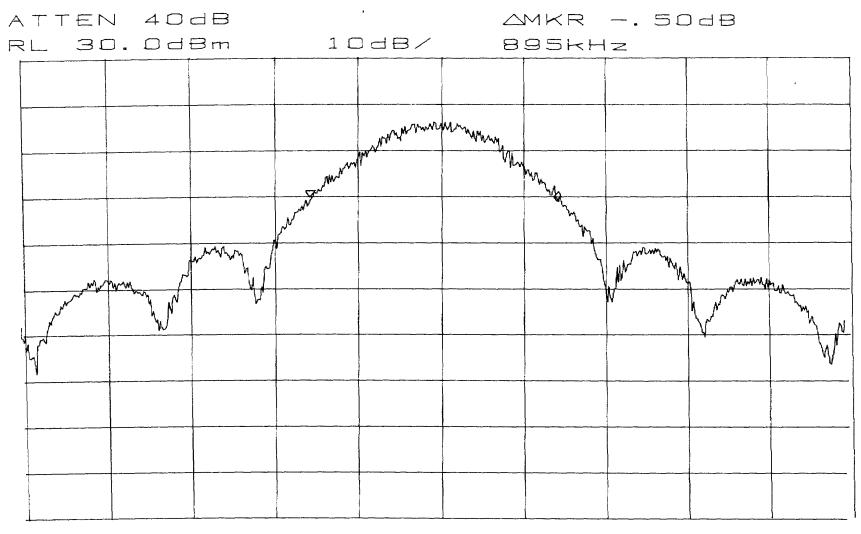


FREW 100KHz VEW 100KHz SWP 50ms

A812005.DOC

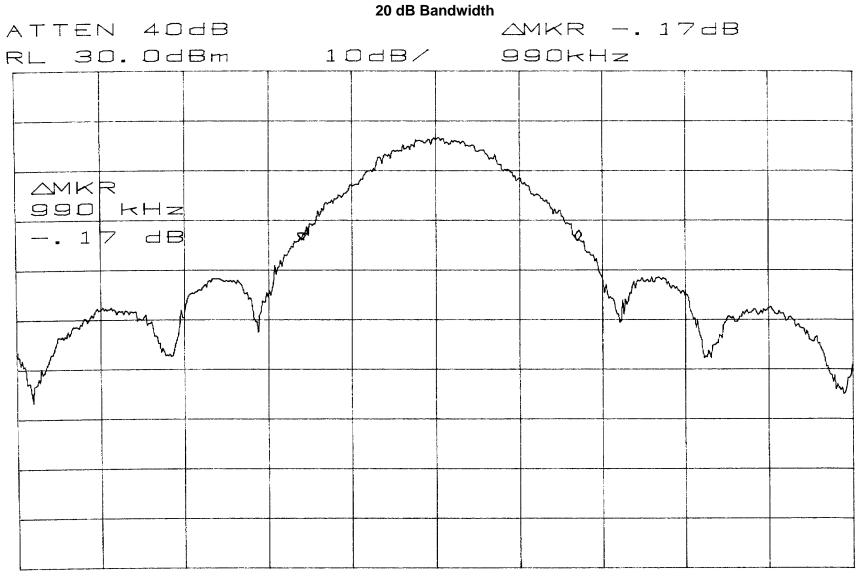


CENTER 2.402000GHZ SPAN 3.000MHz •RBW 30kHz VBW 30kHz SWP 50ms 20 dB Bandwidth



CENTER 2.440020GHZ SPAN 3.000MHZ *RBW 30kHz VBW 30kHz SWP 50ms

11



CENTER 2.480000GHZ SPAN 3.000MHz FRBW 30kHz VBW 30kHz SWP 50ms

ATTEN 40dB

AMKR	OdB
------	-----

RL 30.0dBm

10dB/ 18ms

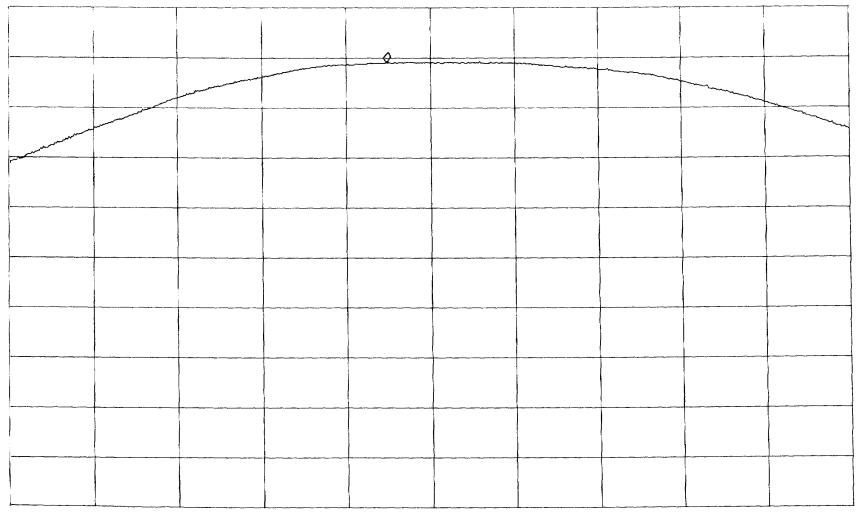
	Zm		mmm)		have	mont				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	M	
 M 1 8		R TS												
	Ч	B												
within				ww	Jown Marken			n/m~~	munnmun	μ			h	Nummer

Output Power	Out	put	Po	wer
--------------	-----	-----	----	-----

ATTEN 4008

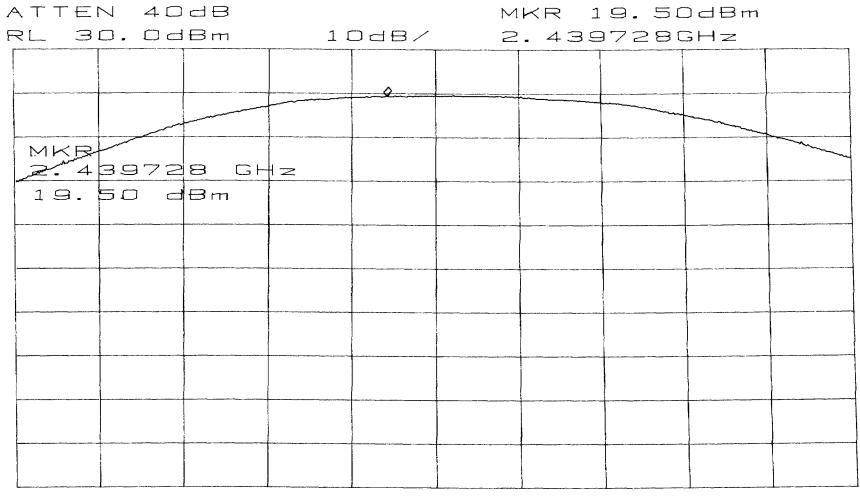
RL 30.0dBm 10dB/ 2.401742GHz

MKR 19.17dBm



CENTER 2.402000GHz SPAN 5.000MHz RBW 2.0MHz VBW 3.0MHz SWP 50ms

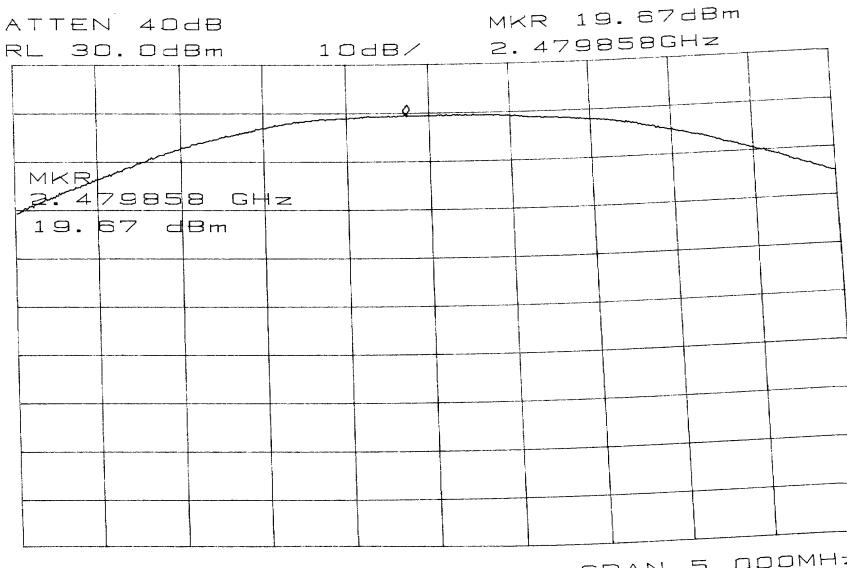
Output Power



CENTER 2.440020GHZ SPAN 5.000MHZ FRBW 2.0MHZ VBW 3.0MHZ SWP 50ms

15

Output Power



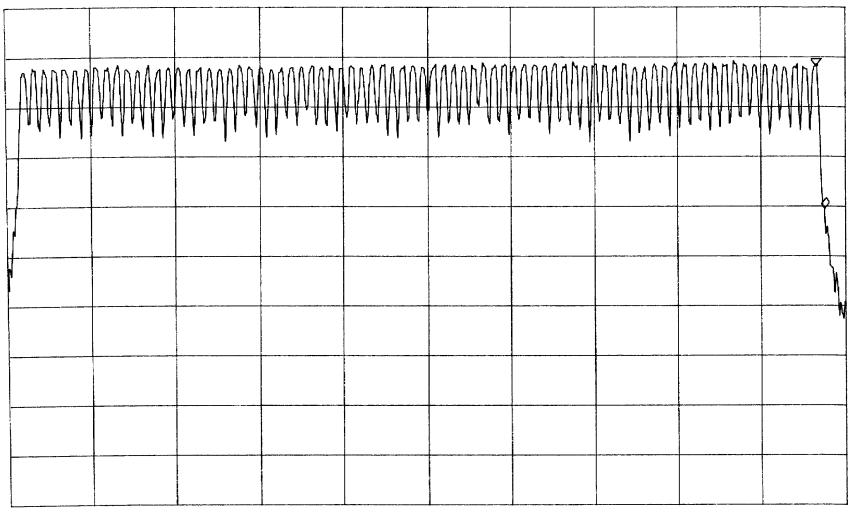
CENTER 2.480000GHZ SPAN 5.000MHZ *RBW 2.0MHZ VBW 3.0MHZ SWP 50ms



ATTEN 40db

RL 30.0dBm

10dB/ 840kHz



START 2.40000GHz STOP 2.48350GHz RBW 100kHz VBW 100kHz SWP 50ms

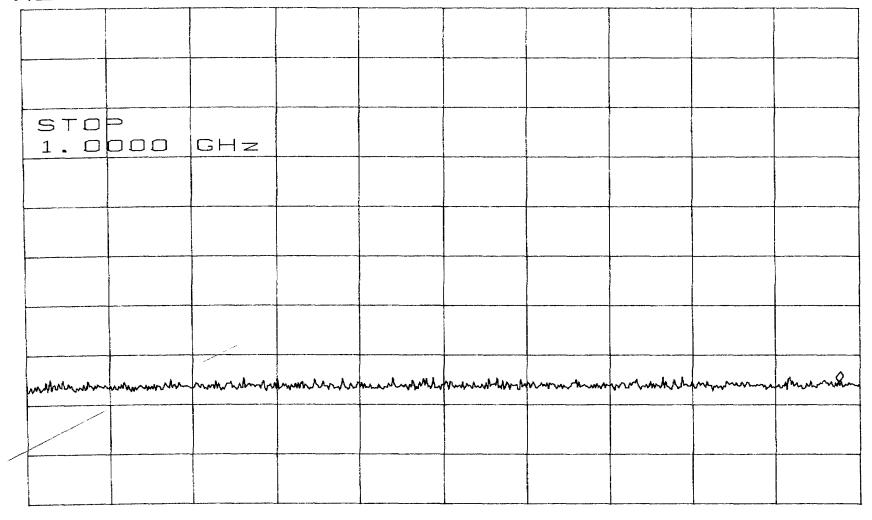
Out Of Band 30 to 1000 MHz

ATTEN 40db

```
MKR -45.33dBm
```

RL 30.0dBm

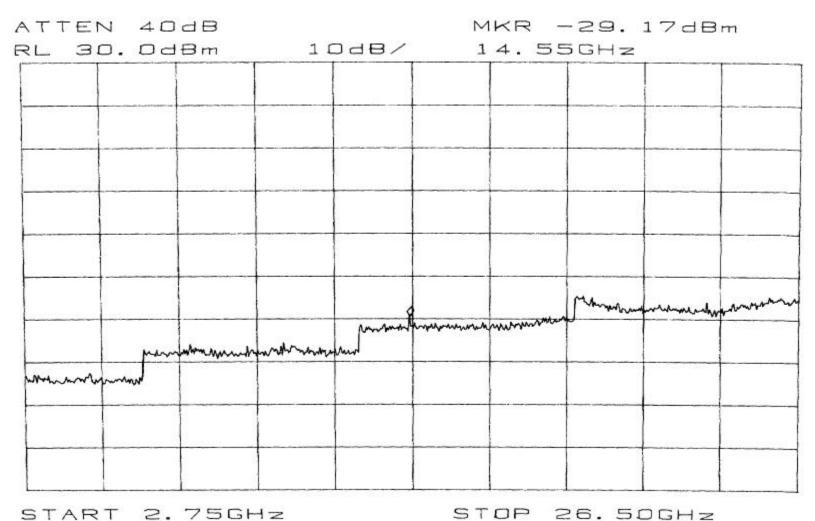
10dB/ 977.4MHz



START 30.0MHz STOP 1.0000GHz *RBW 100kHz VBW 100kHz SWP 250ms Out Of Band 1 to 2.75 GHz

MKR 19.00dBm ATTEN 4008 RL 30.0dBm 10dB/ 2.453GHz mmm] have a show the second and the secon monterment

START 1.000GHz STOP 2.750GHz *RBW 100kHz VBW 100kHz SWP 440ms



RBW 100kHz VBW 100kHz SWP 6.0sec

APPENDIX B

RESTRICTED BAND DATA

			FCC RADI	ATED DATA SI	IEET				
						DATE:		DEC. 9, 1998	
EUT:		DESIGN-IN	MOD. 633	0		CUSTOMER	R NAME:	PROXIM	
S/N:		S/N 0005				WORK ORD	DER:	8120901	
RULE PAR	T:	15.247				FILE:		8120901B.xls	
ANTENNA:		HORN		OTHER CAL	FACTORS:	ATTN dB:	0		
MODULAT	ION TYPE:					DUTY dB:	0		
TESTED B	Y:	SHAWN				HP IL dB:	0		
COMMENT	S:					DIST dB:	0		
FREQ.	READING	Pk, QP,	A.F.	Cable loss	AMP	O.C.F.	TOTAL,	LIMIT	DELTA
MHz	dB(uV)	or Av	dB	dB	dB	dB	dB(uV/m)	dB(uV/m)	dB
Fund =	2402.0								
4804	44.3	Pk	34.2	11.0	35.0	0.0	54.5	74.0	-19.5
4804	34.2	Avg	34.2	11.0	35.0	0.0	44.4	54.0	-9.6
12010	35.2	Pk	42.6	23.5	35.0	0.0	66.3	74.0	-7.7
12010	19.0	Avg	42.6	23.5	35.0	0.0	50.1	54.0	-3.9
14412	34.5	Pk	40.9	26.9	35.0	0.0	67.3	74.0	-6.7
14412	17.4	Avg	40.9	26.9	35.0	0.0	50.2	54.0	-3.8
Fund =	2440.0								
4880	43.3	Pk	34.2	11.2	35.0	0.0	53.7	74.0	-20.3
4880	34.3	Avg	34.2	11.2	35.0	0.0	44.7	54.0	-9.3
7320	45.2	Pk	36.8	16.0	35.0	0.0	63.0	74.0	-11.0
7320	30.0	Avg	36.8	16.0	35.0	0.0	47.8	54.0	-6.2
12200	33.9	Pk	42.6	24.0	35.0	0.0	65.5	74.0	-8.5
12200	18.0	Avg	42.6	24.0	35.0	0.0	49.6	54.0	-4.4
Fund =	2480.0								
4960	45.5	Pk	34.2	11.0	35.0	0.0	55.7	74.0	-18.3
4960	37.0	Avg	34.2	11.0	35.0	0.0	47.2	54.0	-6.8
7440	46.5	Pk	36.8	15.9	35.0	0.0	64.2	74.0	-9.8
7440	32.2	Avg	36.8	15.9	35.0	0.0	49.9	54.0	-4.1
12400	34.4	Pk	42.6	24.5	35.0	0.0	66.5	74.0	-7.5
12400	17.4	Avg	42.6	24.5	35.0	0.0	49.5	54.0	-4.5

APPENDIX C 15.207 CONDUCTED EMISSIONS

Electronic Compliance Laboratories, Inc. 1249 Birchwood Ave. Sunnyvale, CA

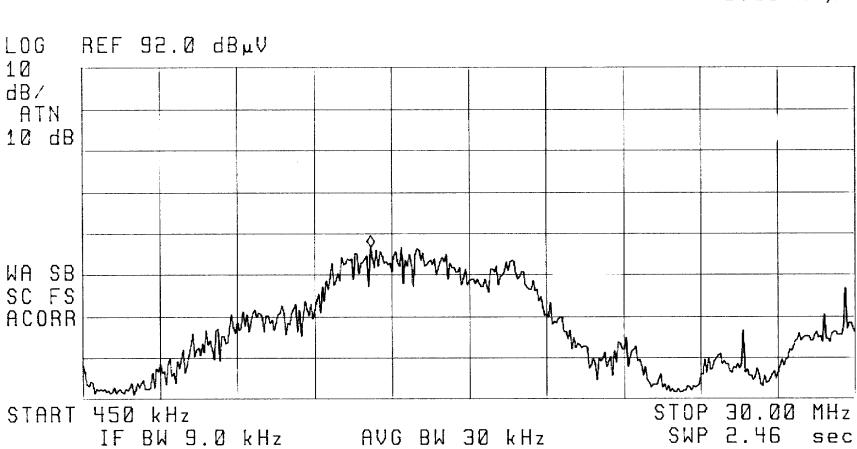
Conducted Emissions Frequency range: 450KHz-30MHz

Government Agency and Limit: FCC Class B

QP = Quasi-Peak Note: Ignore peak readings when Quasi-Peak reading exists
PK = Peak

Customer:	PROXIM	Operator:	SHAWN
Date:	12-09-1998	Time:	15:04:40
Temperature Range:	72 Deg F	Percent Humidity:	45
E.U.T.:	DESIGN-IN MOD. 6330		
Serial Number:	0005		
Support Devices:	DELL CPU, MONITOR, KEY	BOARD, MOUSE	
Exercise Program:	rl2diag.exe		
Modifications:	None		
Report File Name:	F:\TESTDATA\8120901B.F	י	

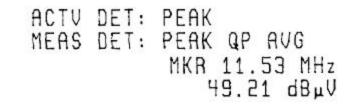
TEST	TEST	CLASS B	VERSUS		
FREQ	dBuV	LIMIT	B LIMIT	CONDUCTOR	TYPE
======	======	=======	======	========	=======
0.890	13.4	48.0	-34.6	LINE	PK
7.990	32.8	48.0	-15.2	LINE	PK
11.460	48.6	48.0	0.6	LINE	PK
16.850	45.5	48.0	-2.5	LINE	PK
25.720	28.6	48.0	-19.4	LINE	PK
29.630	38.7	48.0	-9.3	LINE	PK
11.460	32.5	48.0	-15.5	LINE	QP
16.850	34.0	48.0	-14.0	LINE	QP
1.040	15.1	48.0	-32.9	NEUTRAL	PK
6.430	32.8	48.0	-15.2	NEUTRAL	PK
11.530	49.2	48.0	1.2	NEUTRAL	PK
16.780	45.5	48.0	-2.5	NEUTRAL	PK
24.160	24.6	48.0	-23.4	NEUTRAL	PK
28.890	36.6	48.0	-11.4	NEUTRAL	PK
11.530	34.6	48.0	-13.4	NEUTRAL	QP
16.780	33.9	48.0	-14.1	NEUTRAL	QP

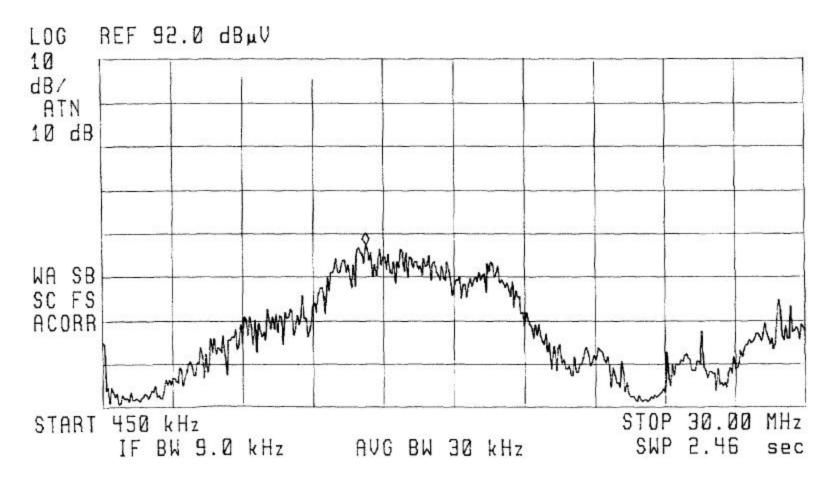


(7) 15:13:41 DEC 09, 1998 8120901B LINE

> ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 11.46 MHz 48.58 dBµV

(5) 15:17:28 DEC 09, 1998 81209018 NEUTRAL





A812005.DOC

APPENDIX D 15.209 RADIATED EMISSIONS

Electronic Compliance Laboratories, Inc. 1249 Birchwood Ave. Sunnyvale, CA

Radiated Emissions Frequency range: 30MHz-1000MHz 3 Meter Open Site Site Calibrated: June 1997

Government Agency and Limit: FCC Class B

QP = Quasi-Peak Note: Ignore peak readings when Quasi-Peak reading exists PK = Peak

Customer:	PROXIM	Operator:	SHAWN
Date:	12-09-1998	Time:	12:30:35
Temperature Range:	52 Deg F	Percent Humidity:	48
E.U.T.:	DESIGN-IN MOD. 6330		
Serial Number:	0005		
Support Devices:	DELL CPU, MONITOR, KEY	YBOARD, MOUSE	
Exercise Program:	rl2diag.exe		
Modifications:	None		
Report File Name:	F:\TESTDATA\8120901B.H	RF	

Antenna Type: BICONICAL

TEST	TEST	ACTUAL	CLASS B	VERSUS	TABLE	ANTENNA	POLAR-	DETECTOR
FREO	dBuV	dBuV/m	LIMIT	B LIMIT	DEGREES	HEIGHT	IZATION	Туре
======	=======	=======	=======	=======	=======	=======	=======	======
64.000	50.2	33.3	40.0	-6.7	0	2.0	V	PK
80.000	47.2	30.6	40.0	-9.4	90	2.0	V	PK
182.300	45.2	36.5	43.5	-7.0	180	2.0	V	PK
144.000	44.0	34.4	43.5	-9.1	120	2.0	V	PK
176.000	43.0	34.1	43.5	-9.4	0	1.5	V	PK
192.000	45.0	36.6	43.5	-6.9	270	1.5	V	PK
240.000	38.5	31.0	46.0	-15.0	220	1.5	V	PK
272.000	35.3	29.1	46.0	-16.9	220	1.5	V	PK
288.000	36.2	32.1	46.0	-13.9	250	1.5	Н	PK
272.000	33.0	26.8	46.0	-19.2	270	1.5	Н	PK
256.800	44.8	37.5	46.0	-8.5	250	2.0	Н	PK
240.000	49.6	42.1	46.0	-3.9	270	1.5	Н	PK
240.000	47.2	39.7	46.0	-6.3	270	1.5	Н	QP
224.000	42.3	34.6	46.0	-11.4	270	2.0	Н	PK
208.000	43.1	35.2	43.5	-8.3	270	2.0	Н	PK
176.000	44.2	35.3	43.5	-8.2	270	2.0	Н	PK
144.000	44.3	34.7	43.5	-8.8	270	2.0	Н	PK
128.000	45.2		43.5	-8.5	250	1.5	Н	PK
112.000	39.5	27.6	43.5	-15.9	250	2.0	Н	PK
64.000	47.2	30.3	40.0	-9.7	300	2.0	Н	PK
		CHA	NGED ANTE	NNA TO LO	G PERIODI	C		
						-		
304.000	34.2	25.4	46.0	-20.6	0	1.5	V	PK
320.000	38.0	28.8	46.0	-17.2	0	1.5	V	PK
336.000	41.0	32.0	46.0	-14.0	270	1.5	V	PK
352.000	32.0	23.3	46.0	-22.7	270	1.5	V	PK
384.000	41.7	33.8	46.0	-12.2	270	1.5	V	PK
400.000	32.3	24.8	46.0	-21.2	250	1.5	V	PK
A 700022 DO	C						21	0

A709023.DOC

416.000	31.0	23.7	46.0	-22.3	270	1.5	V	PK
---------	------	------	------	-------	-----	-----	---	----

Date:12-09-1998E.U.T.:DESIGN-IN MOD. 6330Serial Number:0005Antenna Type:LOG PERIODIC

TEST FREQ	TEST dBuV	ACTUAL dBuV/m	CLASS B LIMIT	VERSUS B LIMIT	TABLE DEGREES	ANTENNA HEIGHT	POLAR- IZATION	DETECTOR Type
=====	======	======	======	======	======	======	======	======
320.000	43.3	34.1	46.0	-11.9	300	2.0	Н	PK
304.000	41.3	32.5	46.0	-13.5	300	2.0	Н	PK
480.000	30.0	24.3	46.0	-21.7	250	2.0	Н	PK
416.000	30.0	22.7	46.0	-23.3	270	2.0	Н	PK
400.000	41.2	33.7	46.0	-12.3	270	2.0	Н	PK
384.000	42.2	34.3	46.0	-11.7	340	2.0	Н	PK
368.000	43.0	34.7	46.0	-11.3	300	1.5	Н	PK
352.000	43.3	34.6	46.0	-11.4	300	1.5	Н	PK
336.000	39.9	30.9	46.0	-15.1	300	1.5	Н	PK

APPENDIX E

SET-UP PHOTOS

A709023.DOC



FCC 15.209 Class B Radiated Emissions



FCC 15.207 Class B Conducted Emissions



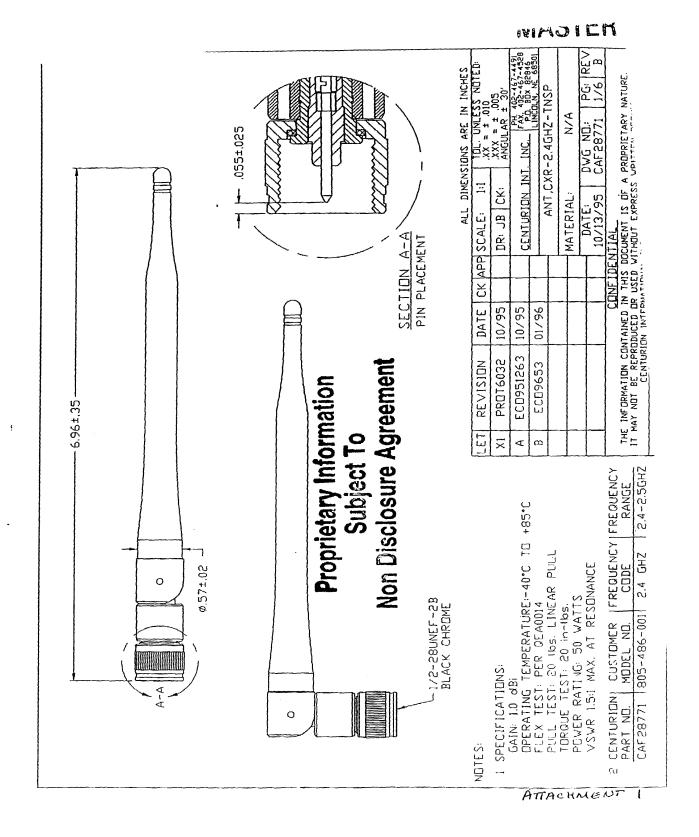
FCC 15.247 Restricted Band



FCC 15.247 Conducted RF

APPENDIX F

ANTENNA DRAWINGS



A709023.DOC

Ω	0	۵	<
2 1 2 1 SM EV Status REVISIONS DATE DESORPTION EF 0 34515 C -001 RE.EASED AT REV C 0 -002 RER.ECN 023493 112-15-9416.RAVEN RCH 0 -003 PER ECN 023493 112-15-9416.RAVEN RCH 0 -003 PER ECN 023493 112-15-9416.RAVEN RCH 0 -003 PER ECN 023493 112-21-951.JE01 RCH 0 -003 PER ECN 023493 112-12-1-951.JE01 RCH 0 -003 PER ECN 023493 112-12-1-951.JE01 RCH 0 -003 PER ECN 023493 112-12-1-951.JE01 RCH 1 BAG PART AND MARKE BAG WITH 060750 AND 0ASH NUMHUR REACH 1 BAG PART AND RACE: 24-24835 GHZ GAN: 10 dB REACH	MPEDANCE: 50 OMS. VSWR MAX: 15:1 ACROSS 2.4-2.4035 GHZ. POWR MAX: 15:1 ACROSS 2.4-2.4035 GHZ. POWR EATING TEMPERATURE: -40° TO +65° C 095% RH- OPOWE CONNECTOR BODY: BRASS ALLOY 360, PER 00-B-626. MATERAL: CONNECTOR BODY: BRASS ALLOY 360, PER 00-B-626. CENTER CONTACT: BERYLLIUM COPPER PER ASTM-B196. INSLLATOR: PTFE FLUOROCARBON FER ASTM-D1710. TYPE 1, GRADE 1. FINISH: CENTER CONTACT: 6CLO PER MIL-6-45204. TYPE 1. GRADE C. OVER 60LD PER MIL-6-45204. TYPE 1. GRADE C. OVER 60LD PER MIL-6-45204. TYPE 1.	$ \land $	Andress recurre sal armoval. System Source configuration System Bit for the sal armoval. System Bit for the same armoval. Sate armoval. Bit for the sate armoval.
1 REVISON			CAD DRAFF - /coddee SYSTEM - HP SWEERS - HP SWEERS CITHERMISE SWEERS EN NINCHERS ARE XXX ± 0.0 AUGUES ± 1° AUGUES ± 1°
0 0 0	No.	CENTER CONTAGT (SOCKET)	-003 E0 28 USED FCR ANY PUPPOSE THE NET OF ANY PUPPOSE COPENATION DISCLOSED COPENATION DISCLOSED COPENATION CONSENT. SUCH THE OF ANY DESCIN. THE COPENATION CONSENT. SUCH THE PROPERTY. DESCIN. USE MOHTS THE RECO.
	MAX MAX RADOME COLOR: BLACK		
APPROVED SOURCE(S) APPROVED SOURCE(S) OF SUPPLY OF SUPPLY CENTURON CAF28776 3. 2. 3. 3.	a d0 t - 10 t - 10 5.75 h a d0 t - 10 - 5.	.313-32 UNEF-28 -33 MAX .313-32 UNEF-28 -036 .016 (0.40) -33 0.138:002	SCALE 4/1 SCALE 4/1 SCALE 4/1 SCALE 4/1 SCALE 4/1 FIIS DRAWING STAL VO" B CHER HAN THAN FOR WHO REPRI ORDANICE BY AND THAN REPRIC OFFERT OR AND RE D INTERPEC OFFERT ORDAN BESE SALE, MANUFACTURING AND RE
D	0	۵	4

4 3 2 1 6000000000000000000000000000000000000	٥	0	œ	4
A 3 FOVED SOURCE(S) 3 OF SUPPLY OF SUPPLY OF SUPPLY OF SUPPLY OF CAP2075 OF COLOR BLACK OF COLOR BLACK OF COLOR BLACK OF COLOR BLACK A SHARD FLOC A SHARD FLOC A SHARD FLOC A COLOR BLACK A COLOR BLACK	2 EE VISIONS 1 REVISION REVISIONS REVISIONS 1 REVISION REVISIONS REVISIONS 0 1 SEET P SEET C-001 RELEASED AT REV C 0 1 SEET D-002 RER EGN 023493 112-12-05-05 LEOT REVISIONS NOTES: UNLESS OTHERWISE SPECIFIED 112-22-05 LEOT REVISION REVISION NOTES: UNLESS OTHERWISE SPECIFIED 112-22-05 LEOT REVISION REVISION NOTES: UNLESS OTHERWISE SPECIFIED 112-22-05 LEOT REVISION REVISION 2 CONNECTOR REQUIREMENTS: RUNGE RATION WEER 372-6-9. REVISION: BRASS ALLOY 360, FER 2 CONNECTOR REQUIREMENTS: 00-8455. RATERAL: CONNECTOR REDIVENTED REVISION: BRASS ALLOY 360, FER	PENSH: MECONNE MECONNE	PULL TEST: 30 L TOROUE TEST: 30 L SPECIFICATIONS: F BAG PART AND M TO WHICH MANUS INTERFACE PER I	SOJRCE CONTROL DRAWING V/rel/060751.1.8 APPROVALS DATE INTERNAC DRAWN GRAVEN 49-94 INTERNA, TN DECKEI RHANGLIND 8-2-94
	3 SOURCE(S) 5 4 3 PPPL Y CAF28775 CAF28775		EDGE EDGE e.136 e.135 e.136 e.136 e.136 e.136 e.136 e.136	438-28 UNEF-28 (170-1) SECTION A-A SECTION A-A MOTCE THIS DRAWING SHALL NOT BE DIPLICATED OF USED FOR ANY PURPOSE THIS

