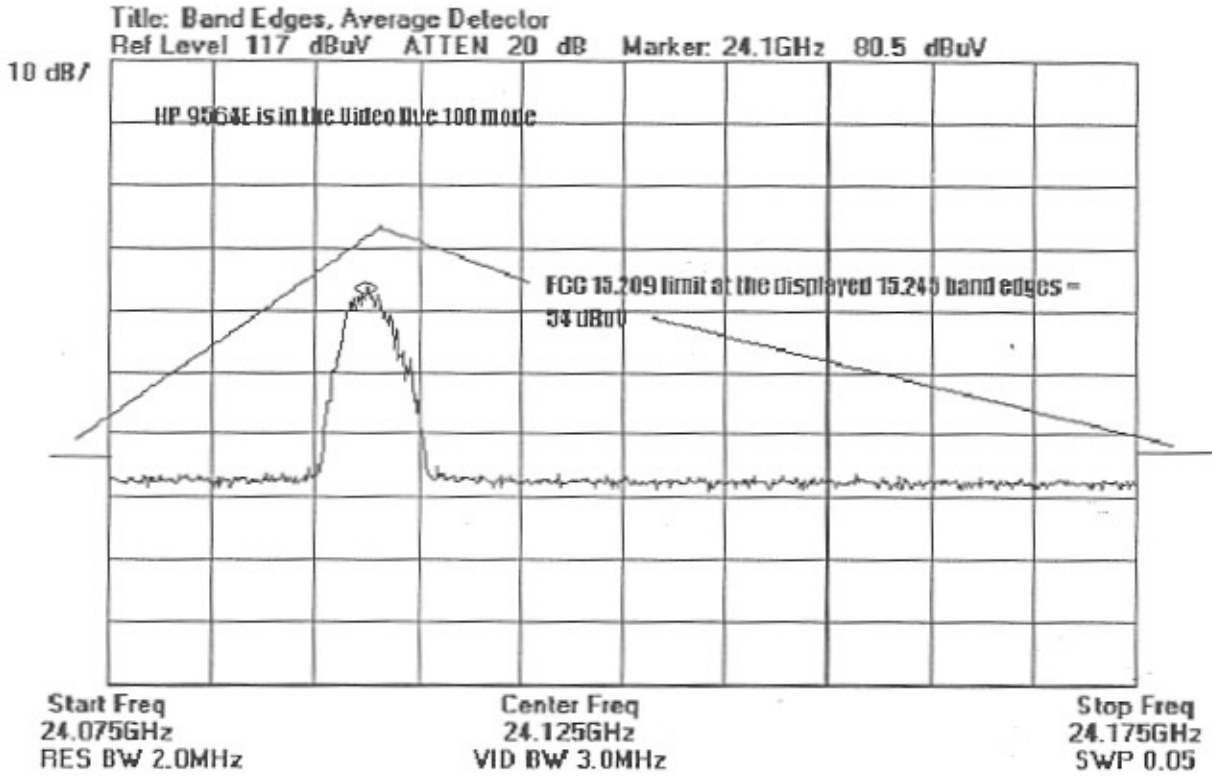


APPENDIX B
MEASUREMENT DATA SHEETS

Band Edges



Test Location: CKC Laboratories, Inc. • 22105 Wilson River Hwy • Tillamook, OR 97141 • 800 500-4EMC

Customer: Perimeter Products, Inc.

Specification: FCC15.245

Work Order #: 73440

Date: 3/10/2000

Test Type: Radiated Scan

Time: 11:04:19

Equipment: Radar Intrusion Detection Link

Sequence#: 1

Manufacturer: Perimeter Products

Tested By: Mike Wilkinson

Model: 24000 Transmitter

S/N: None

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Radar Intrusion Detection Link*	Perimeter Products	24000 Transmitter	None

Support Devices:

Function	Manufacturer	Model #	S/N
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Test Conditions / Notes:

EUT is powered by an external 12 V DC battery. Transmitting continuously with modulation on channel A (9521 Hz) or F (15981 Hz) as noted for each reading. The temperature was 19.5°C and the humidity was 58%.

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dB μ V	Reading listed by margin.				Dist Table	Corr dB μ V/m	Spec dB μ V/m	Margin dB	Polar Ant
			Amp dB	Horn dB	Cable dB	Cable dB					
1	24104.000 M	112.0	-40.7	+32.1	+8.7	+4.8	+0.0	116.9	128.0	-11.1	Vert
Modulation set to channel A											
2	24099.830 M	111.7	-40.7	+32.1	+8.7	+4.8	+0.0	116.6	128.0	-11.4	Vert
Modulation set to channel F											
3	24098.330 M	96.0	-40.7	+32.0	+8.7	+4.8	+0.0	100.8	128.0	-27.2	Horiz
Modulation channel F											
4	24097.830 M	94.5	-40.7	+32.0	+8.7	+4.8	+0.0	99.3	128.0	-28.7	Horiz
Modulation set to channel A											

Test Location: CKC Laboratories, Inc. • 22105 Wilson River Hwy • Tillamook, OR 97141 • 800 500-4EMC

Customer: Perimeter Products, Inc.
 Specification: FCC15.209
 Work Order #: 73440
 Test Type: Maximized Emissions
 Equipment: Radar Intrusion Detection Link
 Manufacturer: Perimeter Products
 Model: 24000 Transmitter
 S/N: None

Date: 3/9/2000
 Time: 14:13:00
 Sequence#: 2
 Tested By: Mike Wilkinson

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Radar Intrusion Detection Link*	Perimeter Products	24000 Transmitter	None

Support Devices:

Function	Manufacturer	Model #	S/N
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Test Conditions / Notes:

EUT is powered by an external 12 V DC battery. Transmitting continuously with modulation on channel A (9521 Hz). EUT is mounted on a vertical plastic post 80 cm off the ground plane using supplied hardware kit #10053-105-02. The temperature was 19.5°C and the humidity was 58%. Frequency range investigated was 9.0 kHz to 18.0 GHz.

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dB μ V	Amp Horn dB	Bilog Amp dB	Cable Cable dB	Mag Cable dB	Dist Table	Corr dB μ V/m	Spec dB μ V/m	Margin dB	Polar Ant
1	39.385M	45.4	-27.6 +0.0	+14.2 +0.0	+1.4 +0.0	+0.0 +0.0	+0.0	33.4	40.0	-6.6	Vert
2	35.815M QP	39.0	-27.6 +0.0	+16.8 +0.0	+1.2 +0.0	+0.0 +0.0	+0.0	29.4	40.0	-10.6	Vert
3	107.389M	45.9	-27.3 +0.0	+10.7 +0.0	+2.2 +0.0	+0.0 +0.0	+0.0	31.5	43.5	-12.0	Vert
4	171.864M	45.6	-27.0 +0.0	+9.6 +0.0	+3.0 +0.0	+0.0 +0.0	+0.0	31.2	43.5	-12.3	Vert
5	114.576M	44.9	-27.3 +0.0	+11.2 +0.0	+2.4 +0.0	+0.0 +0.0	+0.0	31.2	43.5	-12.3	Vert
6	179.024M	46.1	-27.0 +0.0	+8.9 +0.0	+3.0 +0.0	+0.0 +0.0	+0.0	31.0	43.5	-12.5	Vert
7	121.746M	44.2	-27.4 +0.0	+11.6 +0.0	+2.4 +0.0	+0.0 +0.0	+0.0	30.8	43.5	-12.7	Vert
8	14615.74M Ave	31.0	+0.0 +40.9	+0.0 -40.1	+0.0 +6.5	+0.0 +2.6	+0.0	40.9	54.0	-13.1	Vert
9	164.704M	44.4	-27.1 +0.0	+10.2 +0.0	+2.9 +0.0	+0.0 +0.0	+0.0	30.4	43.5	-13.1	Vert
10	164.705M	43.7	-27.1 +0.0	+10.2 +0.0	+2.9 +0.0	+0.0 +0.0	+0.0	29.7	43.5	-13.8	Horiz
11	3720.000M	41.2	+0.0 +32.7	+0.0 -37.2	+0.0 +2.6	+0.0 +0.7	+0.0	40.0	54.0	-14.0	Vert
12	171.864M	43.9	-27.0 +0.0	+9.6 +0.0	+3.0 +0.0	+0.0 +0.0	+0.0	29.5	43.5	-14.0	Horiz

13	186.118M	44.4	-27.0 +0.0	+8.9 +0.0	+3.0 +0.0	+0.0 +0.0	+0.0 +0.0	29.3	43.5	-14.2	Vert
14	451.081M	37.2	-27.7 +0.0	+17.1 +0.0	+4.9 +0.0	+0.0 +0.0	+0.0 +0.0	31.5	46.0	-14.5	Vert
15	114.530M	42.6	-27.3 +0.0	+11.2 +0.0	+2.4 +0.0	+0.0 +0.0	+0.0 +0.0	28.9	43.5	-14.6	Horiz
16	118.135M	42.3	-27.3 +0.0	+11.4 +0.0	+2.4 +0.0	+0.0 +0.0	+0.0 +0.0	28.8	43.5	-14.7	Vert
17	46.537M	41.3	-27.5 +0.0	+10.0 +0.0	+1.5 +0.0	+0.0 +0.0	+0.0 +0.0	25.3	40.0	-14.7	Vert
18	379.496M	38.4	-27.3 +0.0	+15.4 +0.0	+3.9 +0.0	+0.0 +0.0	+0.0 +0.0	30.4	46.0	-15.6	Vert
19	85.946M	40.6	-27.3 +0.0	+8.6 +0.0	+2.0 +0.0	+0.0 +0.0	+0.0 +0.0	23.9	40.0	-16.1	Vert
20	200.502M	41.7	-26.9 +0.0	+9.0 +0.0	+3.2 +0.0	+0.0 +0.0	+0.0 +0.0	27.0	43.5	-16.5	Vert
21	93.104M	42.1	-27.3 +0.0	+9.5 +0.0	+2.1 +0.0	+0.0 +0.0	+0.0 +0.0	26.4	43.5	-17.1	Vert
22	53.726M	40.2	-27.5 +0.0	+7.2 +0.0	+1.6 +0.0	+0.0 +0.0	+0.0 +0.0	21.5	40.0	-18.5	Vert
23	3.503M	36.1	+0.0 +0.0	+0.0 +0.0	+0.0 +0.0	+10.6 +0.0	+0.0 +0.0	46.7	70.0	-23.3	Vert

Test Location: CKC Laboratories, Inc. • 22105 Wilson River Hwy • Tillamook, OR 97141 • 800 500-4EMC

Customer: Perimeter Products, Inc.

Specification: FCC15.209

Work Order #: 73440

Date: 3/9/2000

Test Type: Maximized Emissions

Time: 14:46:56

Equipment: Radar Intrusion Detection Link

Sequence#: 3

Manufacturer: Perimeter Products

Tested By: Mike Wilkinson

Model: 24000 Transmitter

S/N: None

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Radar Intrusion Detection Link*	Perimeter Products	24000 Transmitter	None

Support Devices:

Function	Manufacturer	Model #	S/N
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Test Conditions / Notes:

EUT is powered by an external 12 V DC battery. Transmitting continuously with modulation on channel F (15981 Hz). EUT is mounted on a vertical plastic post 80 cm off the ground plane using supplied hardware kit #10053-105-02. The temperature was 19.5°C and the humidity was 58%. Frequency range investigated was 9.0 kHz to 18.0 GHz.

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dB μ V	Amp dB	Bilog dB	Cable dB	Horn dB	Dist Table	Corr dB μ V/m	Spec dB μ V/m	Margin dB	Polar Ant
1	39.349M	43.8	-27.6 +0.0	+14.2 +0.0	+1.4 +0.0	+0.0	+0.0	31.8	40.0	-8.2	Vert
2	35.813M	39.6	-27.6 +0.0	+16.8 +0.0	+1.2 +0.0	+0.0	+0.0	30.0	40.0	-10.0	Vert
3	14615.740 M	32.7	+0.0 -40.1	+0.0 +6.5	+0.0 +2.6	+40.9	+0.0	42.6	54.0	-11.4	Vert
4	107.393M	44.8	-27.3 +0.0	+10.7 +0.0	+2.2 +0.0	+0.0	+0.0	30.4	43.5	-13.1	Vert
5	10165.090 M	34.5	+0.0 -38.2	+0.0 +5.5	+0.0 +1.9	+36.8	+0.0	40.5	54.0	-13.5	Vert
6	114.541M	43.3	-27.3 +0.0	+11.2 +0.0	+2.4 +0.0	+0.0	+0.0	29.6	43.5	-13.9	Vert
7	85.886M	42.4	-27.3 +0.0	+8.5 +0.0	+2.0 +0.0	+0.0	+0.0	25.6	40.0	-14.4	Vert
8	46.533M	41.5	-27.5 +0.0	+10.0 +0.0	+1.5 +0.0	+0.0	+0.0	25.5	40.0	-14.5	Vert
9	110.947M	42.9	-27.3 +0.0	+10.9 +0.0	+2.3 +0.0	+0.0	+0.0	28.8	43.5	-14.7	Vert
10	121.731M	42.1	-27.4 +0.0	+11.6 +0.0	+2.4 +0.0	+0.0	+0.0	28.7	43.5	-14.8	Vert
11	451.063M	36.7	-27.7 +0.0	+17.1 +0.0	+4.9 +0.0	+0.0	+0.0	31.0	46.0	-15.0	Vert



Testing the Future

LABORATORIES, INC.

12	93.073M	43.1	-27.3 +0.0	+9.5 +0.0	+2.1 +0.0	+0.0	+0.0	27.4	43.5	-16.1	Vert
13	393.741M	36.9	-27.4 +0.0	+15.7 +0.0	+4.1 +0.0	+0.0	+0.0	29.3	46.0	-16.7	Vert
14	7374.467M	32.7	+0.0 -38.1	+0.0 +4.9	+0.0 +0.3	+37.3	+0.0	37.1	54.0	-16.9	Vert
15	171.846M	40.1	-27.0 +0.0	+9.6 +0.0	+3.0 +0.0	+0.0	+0.0	25.7	43.5	-17.8	Vert
16	361.586M	36.1	-27.0 +0.0	+14.9 +0.0	+4.1 +0.0	+0.0	+0.0	28.1	46.0	-17.9	Vert
17	178.975M	40.5	-27.0 +0.0	+8.9 +0.0	+3.0 +0.0	+0.0	+0.0	25.4	43.5	-18.1	Vert
18	53.716M	40.2	-27.5 +0.0	+7.2 +0.0	+1.6 +0.0	+0.0	+0.0	21.5	40.0	-18.5	Vert

Test Location: CKC Laboratories, Inc. • 22105 Wilson River Hwy • Tillamook, OR 97141 • 800 500-4EMC

Customer: Perimeter Products, Inc.

Specification: FCC15.209

Work Order #: 73440

Date: 03/10/2000

Test Type: Maximized Emissions

Time: 11:33:16

Equipment: Radar Intrusion Detection Link

Sequence#: 6

Manufacturer: Perimeter Products

Tested By: Mike Wilkinson

Model: 24000 Transmitter

S/N: None

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Radar Intrusion Detection Link*	Perimeter Products	24000 Transmitter	None

Support Devices:

Function	Manufacturer	Model #	S/N
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Test Conditions / Notes:

EUT is powered by an external 12 V DC battery. Transmitting continuously with modulation on channel A (9521 Hz). EUT is mounted on a vertical plastic post 80 cm off the ground plane using supplied hardware kit #10053-105-02. The temperature was 19.5°C and the humidity was 58%. Frequency range investigated was 18.0 GHz to 100.0 GHz.

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dB μ V	Amp		Cable		Dist Table	Corr dB μ V/m	Spec dB μ V/m	Margin dB	Polar Ant
			Horn dB	Horn dB	Cable dB	Cable dB					
1	30000.000	44.5	-37.8		+10.0	+0.0	+0.0	51.8	54.0	-2.2	Vert
	M										
	Ave		+0.0	+35.1							
2	19017.670	45.5	-39.2		+7.1	+3.7	+0.0	47.0	54.0	-7.0	Vert
	M										
	Ave		+29.9	+0.0							

Test Location: CKC Laboratories, Inc. • 22105 Wilson River Hwy • Tillamook, OR 97141 • 800 500-4EMC

Customer: Perimeter Products, Inc.

Specification: FCC15.209

Work Order #: 73440

Date: 3/10/2000

Test Type: Maximized Emissions

Time: 12:02:46

Equipment: Radar Intrusion Detection Link

Sequence#: 7

Manufacturer: Perimeter Products

Tested By: Mike Wilkinson

Model: 24000 Transmitter

S/N: None

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Radar Intrusion Detection Link*	Perimeter Products	24000 Transmitter	None

Support Devices:

Function	Manufacturer	Model #	S/N
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Test Conditions / Notes:

EUT is powered by an external 12 V DC battery. Transmitting continuously with modulation on channel F (15981 Hz). EUT is mounted on a vertical plastic post 80 cm off the ground plane using supplied hardware kit #10053-105-02. The temperature was 19.5°C and the humidity was 58%. Frequency range investigated was 18.0 GHz to 100.0 GHz.

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dB μ V	Amp Horn dB	Cable Horn dB	Cable Mixer DB	Cable Mixer dB	Dist Table	Corr dB μ V/m	Spec dB μ V/m	Margin dB	Polar Ant
1	30000.000 M	44.5	-37.8	+0.0	+10.0	+0.0	+0.0	51.8	54.0	-2.2	Vert
	Ave		+0.0	+35.1	+0.0	+0.0					
2	19017.670 M	45.5	-39.2	+0.0	+7.1	+3.7	+0.0	47.0	54.0	-7.0	Vert
	Ave		+29.9	+0.0	+0.0	+0.0					
3	72299.330 M	40.8	+0.0	+1.5	+0.0	+0.0	+0.0	80.3	88.0	-7.7	Vert
	Ave		+0.0	+0.0	+0.0	+38.0					
4	48146.660 M	26.3	+0.0	+1.5	+0.0	+0.0	+0.0	57.3	88.0	-30.7	Vert
	Ave		+0.0	+0.0	+29.5	+0.0					