

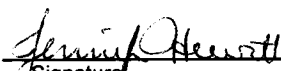
Out of Band Harmonics Data

Northwest EMC, Inc.Version 98.3, April. 1999
Time Sort

Equipment Tested: Falcon 335 w/ internal patch
Serial Number:
Manufacturer: Percon
Job Number: PERC0011
Test Date: 05-24-1999
Tested By: Jennifer Hewitt, TE04
Test Distance: 3 meters.
Comments: Falcon 335 w/ internal Toko patch antenna
 Low, Mid & High Levels

FCC Class B (3 Meter Limit)

Frequency (MHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Antenna Horizontal Vertical	Preamp Gain (dB)	Cable Loss (dB)	Adjusted Level (dBuV/m)	Spec Limit (dBuV/m)	Table Azimuth (degree)	Antenna Height (meters)	Compared (To Limit) (dB)
7387.000	42.8	PK	37.9	VHRN	33.1	5.3	52.9	54.0	0.0	1.0	-1.1
	High, Channel 11										
7387.000	31.5	AV	37.9	VHRN	33.1	5.3	41.6	54.0	0.0	1.0	-12.4
	High, Channel 11										
4924.000	39.6	AV	35.3	VHRN	35.0	4.5	44.4	54.0	330.0	1.0	-9.6
	High, Channel 11										
4924.000	41.2	PK	35.3	HHRN	35.0	4.5	46.0	54.0	90.0	1.0	-8.0
	High, Channel 11										
4924.000	37.7	AV	35.3	HHRN	35.0	4.5	42.5	54.0	90.0	1.0	-11.5
	High, Channel 11										
4924.000	43.8	PK	35.3	VHRN	35.0	4.5	48.6	54.0	330.0	1.0	-5.4
	High, Channel 11										
7387.000	42.2	PK	37.9	HHRN	33.1	5.3	52.3	54.0	90.0	1.0	-1.7
	High, Channel 11										
7387.000	31.8	AV	37.9	HHRN	33.1	5.3	41.9	54.0	90.0	1.0	-12.1
	High, Channel 11										
9850.000	42.0	PK	38.9	VHRN	34.6	6.0	52.3	54.0	0.0	1.0	-1.7
	High, Channel 11										
9850.000	31.4	AV	38.9	HHRN	34.6	6.0	41.7	54.0	90.0	1.0	-12.3
	High, Channel 11										
9850.000	41.2	PK	38.9	HHRN	34.6	6.0	51.5	54.0	90.0	1.0	-2.5
	High, Channel 11										
9850.000	31.1	AV	38.9	VHRN	34.6	6.0	41.4	54.0	0.0	1.0	-12.6
	High, Channel 11										


 Signature

Northwest EMC, Inc.

Version 98.3, April, 1999
Margin Sort

Equipment Tested: LXE w/ Cushcraft Antenna

Serial Number:

Manufacturer: Percon

Job Number: PERC0012

Test Date: 06-04-1999

Tested By: Dan Haas, TE04


Test Distance: 3 meters.

Comments: Low, Mid, and High XMIT frequencies. New Lucent antenna cable.

Run #3. New Cushcraft antenna w/ new Lucent Card (S/N 99UT01333812)

FCC Class B (3 Meter Limit)

Frequency (MHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Antenna Horizontal Vertical	Preamp Gain (dB)	Cable Loss (dB)	Adjusted Level (dBuV/m)	Spec Limit (dBuV/m)	Table Azimuth (degree)	Antenna Height (meters)	Compared (To Limit) (dB)
4864.000 X-mit Mid.	48.0	PK	35.1	HHRN	35.0	4.4	52.5	54.0	180.0	1.5	-1.5
4864.000 X-mit Mid.	47.7	PK	35.1	VHRN	35.0	4.4	52.2	54.0	50.0	1.4	-1.8
4824.000 X-mit Low	47.6	PK	35.0	HHRN	35.0	4.4	52.0	54.0	180.0	1.5	-2.0
4824.000 X-mit Low	47.2	PK	35.0	VHRN	35.0	4.4	51.6	54.0	90.0	1.4	-2.4
4924.000 X-mit High	46.8	PK	35.3	VHRN	35.0	4.5	51.6	54.0	95.0	1.4	-2.4
4924.000 X-mit High	46.7	PK	35.3	HHRN	35.0	4.5	51.5	54.0	100.0	1.4	-2.5
7387.000 X-mit High	36.8	AV	37.9	HHRN	33.1	5.3	46.9	54.0	135.0	1.5	-7.1
4864.000 X-mit Mid.	41.4	AV	35.1	VHRN	35.0	4.4	45.9	54.0	50.0	1.4	-8.1
4824.000 X-mit Low	41.3	AV	35.0	HHRN	35.0	4.4	45.7	54.0	180.0	1.5	-8.3
7387.000 X-mit High	35.5	AV	37.9	VHRN	33.1	5.3	45.6	54.0	250.0	1.1	-8.4
4824.000 X-mit Low	40.9	AV	35.0	VHRN	35.0	4.4	45.3	54.0	90.0	1.4	-8.7
4864.000 X-mit Mid.	40.7	AV	35.1	HHRN	35.0	4.4	45.2	54.0	180.0	1.5	-8.8


Signature

Northwest EMC, Inc.Version 5.2, Jan. 1998
Margin Sort

Equipment Tested: Falcon 325 w/ Lucent Waveline
Serial Number: F299063020
Manufacturer: Percon, Inc.
Job Number: PERC0010
Test Date: 05-03-1999
Tested By: Mark Daley, TE03
Test Distance: 3 meters.
Comments: Hubert & Suhner 9090.16.0001 Antenna
 Run #4

FCC Class B (3 Meter Limit)

Frequency (MHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Antenna Horizontal Vertical	Preamplifier Gain (dB)	Cable Loss (dB)	Adjusted Level (dBuV/m)	Spec Limit (dBuV/m)	Table Azimuth (degree)	Antenna Height (meters)	Compared (To Limit) (dB)
7235.850 Low frequency	47.3	PK	37.1	HHRN	32.9	4.6	56.1	54.0	330.0	1.7	2.1
9847.950 High frequency	45.3	PK	39.4	HHRN	34.6	5.9	56.0	54.0	0.0	1.0	2.0
9647.850 Low frequency	44.7	PK	39.4	HHRN	34.7	5.8	55.2	54.0	0.0	1.0	1.2
9647.850 Low frequency	44.6	PK	39.4	VHRN	34.7	5.8	55.1	54.0	0.0	1.0	1.1
9847.950 High frequency	44.3	PK	39.4	VHRN	34.6	5.9	55.0	54.0	0.0	1.0	1.0
4873.988 Mid frequency	51.8	PK	34.7	HHRN	35.0	3.0	54.5	54.0	270.0	1.0	0.5
9747.950 Mid frequency	43.8	PK	39.4	HHRN	34.7	5.9	54.4	54.0	0.0	1.0	0.4
9747.950 Mid frequency	43.8	PK	39.4	VHRN	34.7	5.9	54.4	54.0	0.0	1.0	0.4
4873.988 Mid frequency	50.3	PK	34.7	VHRN	35.0	3.0	53.0	54.0	270.0	1.0	-1.0
4923.950 High frequency	49.6	PK	34.8	HHRN	35.0	3.0	52.4	54.0	315.0	1.0	-1.6
4823.963 Low frequency	49.4	PK	34.6	VHRN	35.0	3.0	52.0	54.0	270.0	1.4	-2.0
7310.950 Mid frequency	42.4	AV	37.3	HHRN	33.0	4.6	51.3	54.0	315.0	1.8	-2.7

Temperature 71F 40% Humidity

Northwest EMC, Inc.Version 5.2, Jan. 1998
Margin Sort

Equipment Tested: Falcon 325 w/ Lucent Waveline
Serial Number: F299063020
Manufacturer: Percon, Inc.
Job Number: PERC0010
Test Date: 05-03-1999
Tested By: Mark Daley, TE03
Test Distance: 3 meters.
Comments: Hubert & Suhner 9090.16.0001 Antenna
 Run #4

FCC Class B (3 Meter Limit)

Frequency (MHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Antenna Horizontal Vertical	Preamp Gain (dB)	Cable Loss (dB)	Adjusted Level (dBuV/m)	Spec Limit (dBuV/m)	Table Azimuth (degree)	Antenna Height (meters)	Compared (To Limit) (dB)
7385.950 High frequency	41.6	AV	37.5	HHRN	33.1	4.7	50.7	54.0	180.0	1.8	-3.3
4823.963 Low frequency	48.1	PK	34.6	HHRN	35.0	3.0	50.7	54.0	110.0	1.0	-3.3
7385.950 High frequency	40.4	AV	37.5	VHRN	33.1	4.7	49.5	54.0	270.0	1.6	-4.5
4923.950 High frequency	45.0	AV	34.8	HHRN	35.0	3.0	47.8	54.0	315.0	1.0	-6.2
12059.850 Low frequency	33.0	AV	40.8	VHRN	33.6	7.4	47.7	54.0	0.0	1.0	-6.3
12059.850 Low frequency	33.0	AV	40.8	HHRN	33.6	7.4	47.6	54.0	0.0	1.0	-6.4
4923.950 High frequency	44.5	AV	34.8	VHRN	35.0	3.0	47.3	54.0	270.0	1.5	-6.7
4873.988 Mid frequency	44.3	AV	34.7	HHRN	35.0	3.0	47.0	54.0	270.0	1.0	-7.0
12309.950 High frequency	32.5	AV	40.6	HHRN	33.6	7.5	47.0	54.0	0.0	1.0	-7.0
12184.950 Mid frequency	32.3	AV	40.7	VHRN	33.6	7.5	46.9	54.0	0.0	1.0	-7.1
12184.950 Mid frequency	32.2	AV	40.7	HHRN	33.6	7.5	46.8	54.0	0.0	1.0	-7.2
12309.950 High frequency	32.3	AV	40.6	VHRN	33.6	7.5	46.8	54.0	0.0	1.0	-7.2

Temperature 71F 40% Humidity