

Radiated Emissions Data

Northwest EMC, Inc.

Version 98.3, April, 1999
Margin Sort

Equipment Tested: Falcon 335
Serial Number:
Manufacturer: Percon, Inc.
Job Number: PERC0011
Test Date: 05-21-1999
Tested By: Dan Haas, TE02
Test Distance: 3 meters.
Comments: Falcon 335 w/ internal Toko patch antenna. Low transmit freq.
Run #1.

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)
165.917	50.4	QP	15.8	HBIC	31.8	1.0	35.4	43.5	273.0	1.6	-8.1
199.033	46.0	QP	17.7	VBIC	32.0	1.0	32.7	43.5	0.0	1.0	-10.8
132.742	49.0	QP	12.8	HBIC	32.0	0.9	30.7	43.5	261.0	2.2	-12.8
199.033	43.6	QP	17.7	HBIC	32.0	1.0	30.3	43.5	74.0	1.7	-13.2
331.762	48.0	QP	14.7	HLPA	31.9	1.7	32.5	46.0	265.0	1.0	-13.5
315.201	47.0	QP	14.6	HLPA	31.9	1.6	31.3	46.0	260.0	1.1	-14.7
165.917	43.0	QP	15.8	VBIC	31.8	1.0	28.0	43.5	9.0	2.0	-15.5
265.428	47.7	QP	12.9	HLPA	31.7	1.5	30.4	46.0	271.0	1.0	-15.6
132.742	46.0	QP	12.8	VBIC	32.0	0.9	27.7	43.5	179.0	1.8	-15.8
278.644	46.8	QP	13.5	HLPA	31.8	1.5	30.0	46.0	86.0	1.0	-16.0
66.327	46.4	QP	9.1	VBIC	31.9	0.4	24.0	40.0	203.0	1.0	-16.0
66.327	46.2	QP	9.1	HBIC	31.9	0.4	23.8	40.0	66.0	4.0	-16.2
301.736	45.0	QP	14.5	HLPA	31.8	1.5	29.2	46.0	275.0	1.0	-16.8
331.762	43.3	QP	14.7	VLPA	31.9	1.7	27.8	46.0	177.0	2.3	-18.2
265.428	43.1	QP	12.9	VLPA	31.7	1.5	25.8	46.0	26.0	1.0	-20.2
315.201	41.4	QP	14.6	VLPA	31.9	1.6	25.7	46.0	145.0	2.1	-20.3
278.644	41.0	QP	13.5	VLPA	31.8	1.5	24.2	46.0	65.0	2.2	-21.8
301.736	37.5	QP	14.5	VLPA	31.8	1.5	21.7	46.0	0.0	1.0	-24.3

Signature

Temperature 70F 40% Humidity
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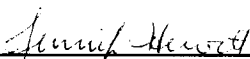
Northwest EMC, Inc.

Version 98.2, Mar. 1999
Margin Sort

Equipment Tested: Falcon 325 w/ Lucent Waveline
Serial Number: F299063020
Manufacturer: Percon, Inc
Job Number: PERC0010
Test Date: 04-07-1999
Tested By: Jennifer Hewitt, TE03
Test Distance: 3 meters.
Comments: Falcon 325 w/ Lucent Waveline PCMCIA card. High Transmit Frequency
Run #3. W/ Hubert & Suhner 9090.16.0001 Antenna

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)
265.421	55.5	QP	16.9	HDIP	31.3	3.3	44.4	46.0	281.0	1.0	-1.6
248.827	58.5	QP	12.3	HLP A	31.3	3.2	42.7	46.0	74.0	1.0	-3.3
252.395	56.9	QP	12.5	HLP A	31.3	3.2	41.3	46.0	292.0	1.0	-4.7
199.059	52.7	QP	14.6	HDIP	31.4	2.8	38.7	43.5	59.0	2.0	-4.8
278.481	53.8	QP	13.6	HLP A	31.4	3.4	39.5	46.0	80.0	1.0	-6.5
265.421	45.5	QP	16.9	VDIP	31.3	3.3	34.4	46.0	56.0	1.0	-11.6
199.059	42.0	QP	14.6	VDIP	31.4	2.8	28.0	43.5	0.0	1.0	-15.5
252.395	42.6	QP	12.5	VLPA	31.3	3.2	27.0	46.0	62.0	1.0	-19.0
248.816	42.8	QP	12.3	VLPA	31.3	3.2	27.0	46.0	67.0	1.0	-19.0
278.481	40.9	QP	13.6	VLPA	31.4	3.4	26.5	46.0	340.0	1.0	-19.5
563.970	30.3	QP	18.5	HLP A	31.2	4.7	22.3	46.0	53.0	2.0	-23.7
562.977	26.2	QP	18.5	VLPA	31.2	4.7	18.2	46.0	0.0	1.0	-27.8


Signature

Temperature 65F 40% Humidity
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Northwest EMC, Inc.

Version 98.3, April, 1999
Margin Sort

Equipment Tested: Falcon 325 w/ Lucent Waveline
Serial Number: F299063020
Manufacturer: Percon, Inc.
Job Number: PERC0010
Test Date: 04-30, 05-02-1999
Tested By: Greg Kiemel, TE02 & TE03
Test Distance: 3 meters.
Comments: High Transmit Frequency.
Run #4. w/ Cushcraft RTN 2400 SXR antenna

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)
265.429	29.4	QP	12.9	HLPA	0.0	1.5	43.8	46.0	281.0	1.0	-2.2
248.825	24.8	QP	12.3	HLPA	0.0	1.5	38.6	46.0	43.0	1.0	-7.4
278.540	23.0	QP	13.5	HLPA	0.0	1.5	38.0	46.0	94.0	1.0	-8.0
331.770	21.3	QP	14.7	HLPA	0.0	1.7	37.7	46.0	260.0	1.0	-8.3
282.010	21.7	QP	13.6	HLPA	0.0	1.5	36.8	46.0	278.0	1.0	-9.2
252.400	22.3	QP	12.4	HLPA	0.0	1.5	36.2	46.0	292.0	1.0	-9.8
331.767	15.4	QP	14.9	VLPA	0.0	3.7	34.0	46.0	154.0	1.0	-12.0
282.010	16.5	QP	13.8	VLPA	0.0	3.4	33.7	46.0	164.0	1.0	-12.3
66.000	15.8	QP	6.8	VBIC	0.0	1.7	24.3	40.0	199.0	1.5	-15.7
66.000	15.3	QP	6.8	HBIC	0.0	1.7	23.8	40.0	44.0	1.4	-16.2
265.429	15.0	QP	12.9	VLPA	0.0	1.5	29.4	46.0	186.0	1.5	-16.6
278.540	12.4	QP	13.5	VLPA	0.0	1.5	27.4	46.0	30.0	1.5	-18.6
248.825	13.5	QP	12.3	VLPA	0.0	1.5	27.3	46.0	0.0	1.8	-18.7
252.400	12.8	QP	12.4	VLPA	0.0	1.5	26.7	46.0	134.0	1.5	-19.3


Signature

Temperature 75F 40% Humidity
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