TEST REPORT

FCC ID: IPGWWS1

EUT: Wireless Weather Station, Serial No. 001

Manufactured by:

Texas Weather Instruments, Inc. 5942 Abrams, Suite 113 Dallas, Texas, 75231, USA.

Measurements According to: ANSI C63.4 (1992)

Measurement Date: June 13, 2000

Testing Performed at:

Lexmark International, Inc. Registered Open Field Test Site Development Lab. 740 New Circle Road, NW. Lexington, KY. 40511-1876

Accreditation Status of Test Facility:

The Lexmark site was recognized by the Commission as meeting the requirements of section 2.948 of the FCC Rules via a letter dated August 20, 1998 and is presently on file with the Commission.

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Testing Results:

Freq. (MHz)	Meter Peak dB	Meter Average dB	Ant & Cable Factors dB/uV/m	Total Peak dB/uV/m	Limit Peak dB/uV/m	Total Average dB/uV/m	Limit Average dB/uV/m
418	74.90	51.50	16.76	91.70	92.30	68.28	72.30
836	10.00 QP	-	25.16	35.16 QP	46.00 QP	-	-
1254	19.53	5.42	24.60	44.13	74.00	30.02	54.00
1672*	18.91	5.30	26.50	45.41	74.00	31.80	54.00
2090	21.82	8.00	28.10	49.92	74.00	36.10	54.00
2508	19.91	7.74	29.80	49.71	74.00	37.54	54.00
2926	18.66	7.30	31.50	50.16	74.00	38.80	54.00
3344*	17.75	7.24	31.90	49.65	74.00	39.14	54.00
3762*	19.58	7.39	32.40	51.98	74.00	39.79	54.00
4180*	18.04	7.07	32.90	50.94	74.00	39.97	54.00
	(MHz) 418 836 1254 1672* 2090 2508 2926 3344* 3762*	(MHz) Peak dB 418 74.90 836 10.00 QP 1254 19.53 1672* 18.91 2090 21.82 2508 19.91 2926 18.66 3344* 17.75 3762* 19.58	(MHz) Peak dB Average dB 418 74.90 51.50 836 10.00 QP - 1254 19.53 5.42 1672* 18.91 5.30 2090 21.82 8.00 2508 19.91 7.74 2926 18.66 7.30 3344* 17.75 7.24 3762* 19.58 7.39	Freq. (MHz) Meter Peak dB Meter Average dB Cable Factors dB/uV/m 418 74.90 51.50 16.76 836 10.00 QP - 25.16 1254 19.53 5.42 24.60 1672* 18.91 5.30 26.50 2090 21.82 8.00 28.10 2508 19.91 7.74 29.80 2926 18.66 7.30 31.50 3344* 17.75 7.24 31.90 3762* 19.58 7.39 32.40	Freq. (MHz) Meter Peak dB Meter Average dB Cable Factors dB/uV/m Total Peak dB/uV/m 418 74.90 51.50 16.76 91.70 836 10.00 QP - 25.16 35.16 QP 1254 19.53 5.42 24.60 44.13 1672* 18.91 5.30 26.50 45.41 2090 21.82 8.00 28.10 49.92 2508 19.91 7.74 29.80 49.71 2926 18.66 7.30 31.50 50.16 3344* 17.75 7.24 31.90 49.65 3762* 19.58 7.39 32.40 51.98	Freq. (MHz) Meter Peak dB Meter Average dB Cable Factors dB/uV/m Total Peak dB/uV/m Limit Peak dB/uV/m 418 74.90 51.50 16.76 91.70 92.30 836 10.00 QP - 25.16 35.16 QP 46.00 QP 1254 19.53 5.42 24.60 44.13 74.00 1672* 18.91 5.30 26.50 45.41 74.00 2090 21.82 8.00 28.10 49.92 74.00 2508 19.91 7.74 29.80 49.71 74.00 2926 18.66 7.30 31.50 50.16 74.00 3344* 17.75 7.24 31.90 49.65 74.00 3762* 19.58 7.39 32.40 51.98 74.00	Freq. (MHz) Meter Peak dB Meter Average dB Cable Factors dB/uV/m Total Peak dB/uV/m Limit Peak dB/uV/m Total Average dB/uV/m 418 74.90 51.50 16.76 91.70 92.30 68.28 836 10.00 QP - 25.16 35.16 QP 46.00 QP - 1254 19.53 5.42 24.60 44.13 74.00 30.02 1672* 18.91 5.30 26.50 45.41 74.00 31.80 2090 21.82 8.00 28.10 49.92 74.00 36.10 2508 19.91 7.74 29.80 49.71 74.00 37.54 2926 18.66 7.30 31.50 50.16 74.00 38.80 3344* 17.75 7.24 31.90 49.65 74.00 39.14 3762* 19.58 7.39 32.40 51.98 74.00 39.79

^{*} Ambient noise, measured at 1 meter from product; limit would be 64 dB at this distance.

Sample Calculation:

From FCC Rules, Paragraph 15.231(e)

Frequency: 260-470 MHz. Amplitude: 1500-5000 uV/m

For 418 MHz. L(limit)=((418-260)/(470-260))(5000-1500)+1500

L = 4133 uV/m

L(dB/uV/m) = 20 Log (4133)

L = 72.3 dB/uV/m (AVG)

L(Peak) = Avg. + 20 dB

L(Peak) = 72.3 + 20 = 92.3 dB/uV/m