

Test Report

FCC ID: M5ZWOW

EUT: Wireless Temperature Sensor, Model WOW

Manufactured by:

Point Six, Inc.
383 Codell Drive
Lexington, KY. 40509

Measurements According to: ANSI C63.4 (1992)

Measurement Date: June 6 and 14, 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:

Harmonic	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
1	418	61.00	25.50	19.28	80.28	92.30	44.78	72.30
2	836	12.00	-	25.16	37.16 QP	46.00 QP	-	-
3	1254	25.00	12.46	24.60	49.60	74.00	37.06	54.00
4	1672	18.97	12.00	26.50	45.47	74.00	38.50	54.00
5	2090	30.69	14.75	28.10	58.79	74.00	42.85	54.00
6	2508	20.87	12.55	29.80	50.67	74.00	42.35	54.00
7	2926	20.54	9.20	31.50	52.04	74.00	40.70	54.00
8	3344*	37.60	26.50	31.90	69.50	74.00	58.40	64.00*
9	3762*	37.53	26.35	32.40	69.93	74.00	58.75	64.00*
10	4180*	34.46	26.10	32.90	67.36	74.00	59.00	64.00*

* 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. $L(\text{limit}) = ((418-260)/(470-260))(5000-1500) + 1500$

$$L = 4133 \text{ uV/m}$$

$$L(\text{dB/uV/m}) = 20 \text{ Log } (4133)$$

$$L = 72.3 \text{ dB/uV/m (AVG)}$$

$$L(\text{Peak}) = \text{Avg.} + 20 \text{ dB}$$

$$L(\text{Peak}) = 72.3 + 20 = 92.3 \text{ dB/uV/m}$$