

Test Report

FCC ID: M5ZWOWTHL

EUT: Wireless Temperature/RH/Light Sensor, Models WOW-RHT and WOW-LGT

Manufactured by:

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

Measurements According to: ANSI C63.4 (1992)

Measurement Date: October 16, 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.

Test Report

FCC ID: M5ZWOWTHL(Model WOW-LGT)

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	67.10	33.00	19.28	86.38	92.30	52.28	72.30
2	836	2.0 QP	-	25.16	27.16 QP	46.00 QP	-	-
3	1254	10.74	-3.96	24.60	35.34	74.00	20.64	54.00
4	1672	11.38	-2.63	26.50	37.88	74.00	23.87	54.00
5	2090	11.42	-2.25	28.10	39.52	74.00	25.85	54.00
6	2508	10.87	-1.95	29.80	40.67	74.00	27.85	54.00
7	2926	11.14	-1.55	31.50	42.64	74.00	29.95	54.00
8	3344	11.12	-1.40	31.90	43.02	74.00	30.50	54.00
9	3762	11.32	-1.55	32.40	43.72	74.00	30.85	54.00
10	4180	11.23	-1.76	32.90	44.13	74.00	31.14	54.00

Sample Calculation:

From FCC Rules, Paragraph 15.231(e)

Frequency: 260-470 MHz.

Amplitude: 1500-5000 uV/m

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

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

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

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

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

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

Signed: _____ Date: _____
D.R. Bush, PE, NCE, President dBi Corporation

Test Report

FCC ID: M5ZWOWTHL(Model WOW-RHT)

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	65.00	32.00	19.28	84.28	92.30	51.28	72.30
2	836	12.60 QP	-	25.16	37.76 QP	46.00 QP	-	-
3	1254	10.60	-2.87	24.60	35.20	74.00	21.73	54.00
4	1672	12.08	-2.61	26.50	38.58	74.00	23.89	54.00
5	2090	12.80	-2.23	28.10	40.90	74.00	25.87	54.00
6	2508	13.04	-1.94	29.80	42.84	74.00	27.86	54.00
7	2926	13.15	-0.93	31.50	44.65	74.00	30.57	54.00
8	3344	12.48	-1.54	31.90	44.38	74.00	30.36	54.00
9	3762	12.70	1.50	32.40	45.10	74.00	33.90	54.00
10	4180	12.57	1.28	32.90	45.47	74.00	34.18	54.00

Sample Calculation:

From FCC Rules, Paragraph 15.231(e)

Frequency: 260-470 MHz.

Amplitude: 1500-5000 uV/m

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

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

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

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

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

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

Signed: _____ Date: _____
D.R. Bush, PE, NCE, President dBi Corporation