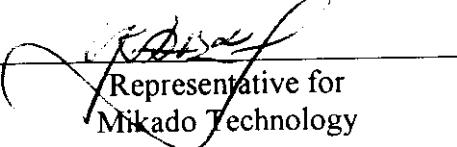


**FCC CLASS B
COMPLIANCE TEST REPORT**

FOR

**PROGRAMMABLE GARAGE DOOR REMOTE CONTROL
MODEL MT-PCAT200G****Prepared for:****MIKADO TECHNOLOGY**
So. San Francisco, CA 94080**Prepared by:** EMC Technology Services, Inc.

| | Signature | Date |
|-------------------|---|--------|
| TEST TECHNICIAN |  George Arias II | 7-8-98 |
| TEST SUPERVISOR |  Daryl Smith | 7-8-98 |
| Q.C. MANAGER |  Susan Pelletier | 7-9-98 |
| FINAL RELEASE |  Carl E. Felts General Manager | 7-9-98 |
| CUSTOMER APPROVAL |  Representative for Mikado Technology | 7-9-98 |

LIST OF REVISIONS

| <u>REVISION NUMBER AND DATE</u> | <u>PAGE CHANGED</u> | <u>PAGE SUBSTITUTED</u> | <u>PAGE ADDED</u> |
|--|--------------------------------|------------------------------------|------------------------------|
|--|--------------------------------|------------------------------------|------------------------------|

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VERIFICATION OF COMPLIANCE

Equipment Under Test: Programmable Garage Door Remote Control

Model Number: MT-PCAT200G

Serial Number: Prototype

Company: Mikado Technology
1435 Huntington Ave., Ste. C
So. San Francisco, CA 94080

Test Specification: FCC Part 15, Subpart B (ANSI C63.4, 1992), Class B

Type of Test: Radiated 30 MHz - 4 GHz

Performance Criteria: For the Radiated test, emissions must not exceed the limits stated in FCC Part 15, Subpart B, Section 231.

Deviation: None

Date Tested: June 17, 1998

Test Technician: George Arias II

The above equipment was tested by EMC Technology Services, Inc., for compliance with the requirements set forth in the FCC Class B Rules and Regulations. This said equipment in the configuration described in the report, shows that maximum emission levels emanating from the equipment are within the compliance requirements.

GENERAL INFORMATION

Customer: Mikado Technology
1435 Huntington Ave., Ste. C
So. San Francisco, CA 94080

Contact Person: Sammy Wu

Phone Number: (650) 615-9966

Equipment Under Test: Programmable Garage Door Remote Control

Model Number: MT-PCAT200G

Serial Number: Prototype

FCC ID Number: NUQPCT001G

Test Specification: FCC Part 15, Subpart B (ANSI C63.4, 1992), Class B

Type of Test: Radiated 30 MHz - 4 GHz

Performance Criteria: For the Radiated test, emissions must not exceed the limits stated in FCC Part 15, Subpart B, Section 231.

Deviation: None

SYSTEM DESCRIPTION

Equipment Under Test

Programmable Garage Door Remote Control

Support Equipment

None

EUT Test Program: Operating on a continuous cycle mode.

PRODUCT INFORMATION

Description of Equipment Under Test: The Programmable Garage Door Remote Control is capable of duplicating secret codes and changing and resetting existing codes.

The EUT and/or support equipment was received at EMC Technology Services, Inc., in good condition, on June 17, 1998.

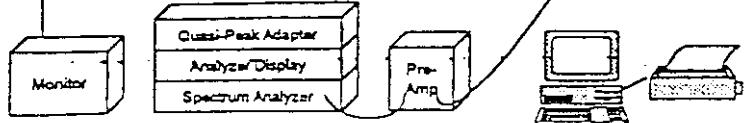
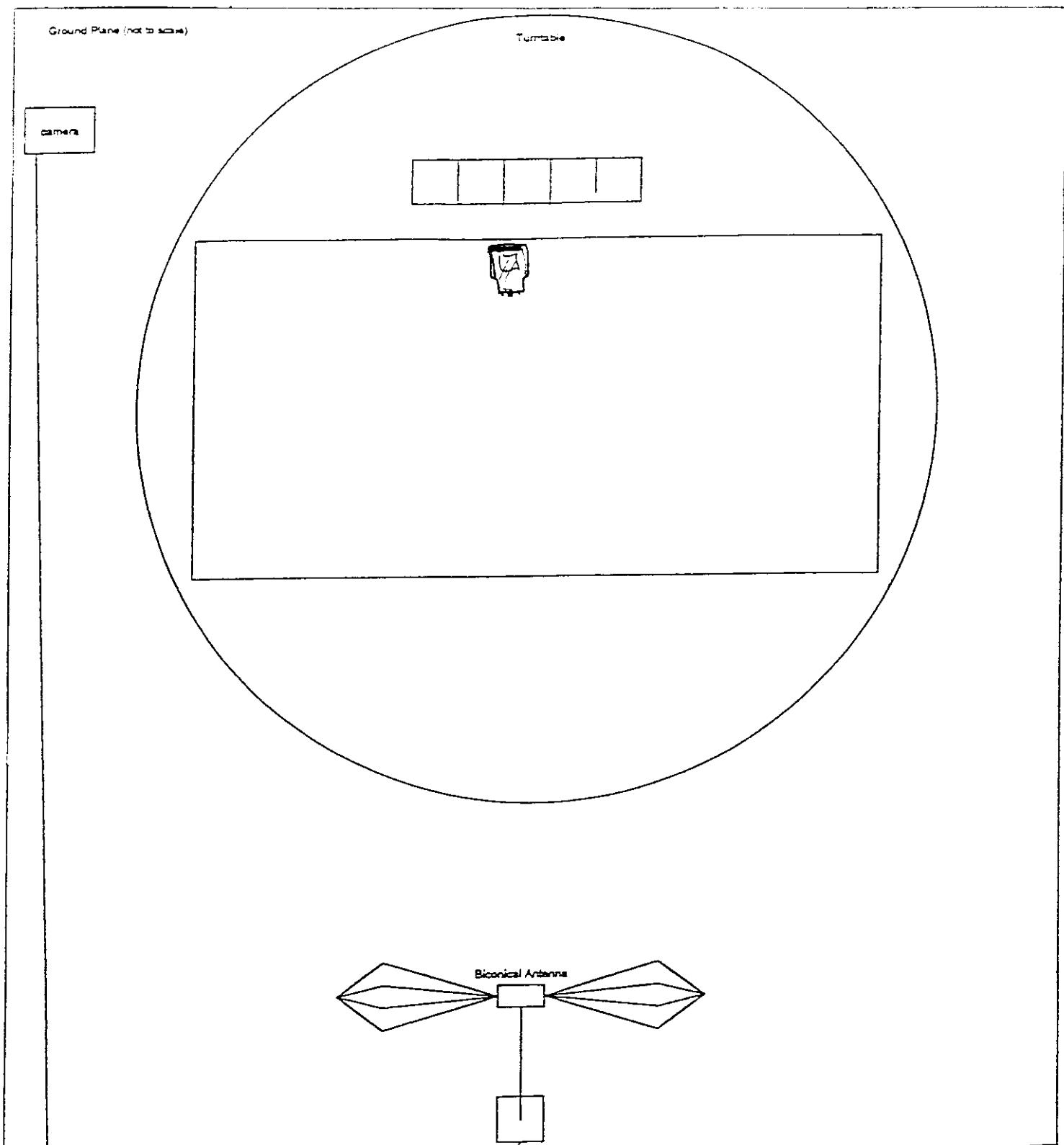
Housing Type: Plastic

Power Supply: Internal

DC Power Requirements: 12 V

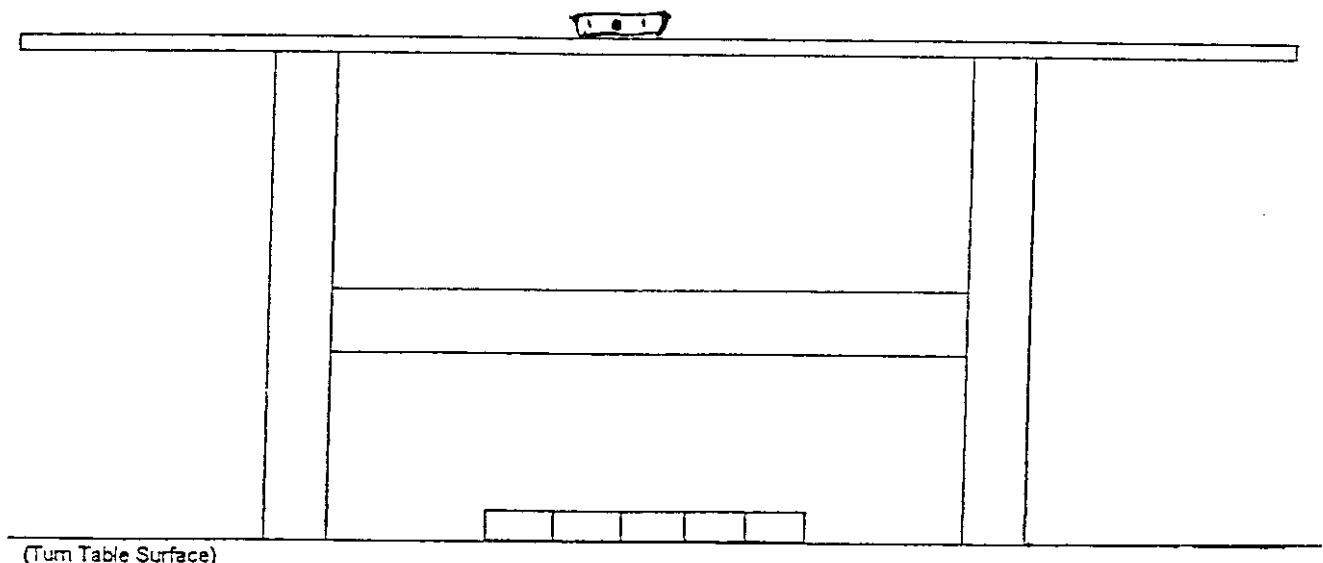
OSC./Clock Frequency: 1) 300 MHz 2) 310 MHz 3) 390 MHz

| <u>I/O PORT TYPE</u> | <u>QTY</u> | <u>TESTED WITH</u> |
|----------------------|------------|--------------------|
| None | 0 | 0 |



Mikado Technology
MJO#: SN8F-008
FCC ID: NUQPCT001G

Test Configuration Block Diagram - Top View



Test Configuration - Rear View

Mikado Technology
MJO#: SN8F-008
FCC ID: NUQPCT001G

SUMMARY

Company: Mikado Technology

Equipment Under Test: Programmable Garage Door Remote Control

Model Number: MT-PCAT200G

Test Specification: FCC Class B

Test Type: Radiated

Location: 3 Meter Test Site #3

Test Technician: George Arias II

Assistant: Richard Garcia

EUT was scanned in the following setup(s): Modes: 1) Standard Scan 30 to 1 GHz;
 2) 300 MHz Harmonic Scan; 3) 310 MHz Harmonic Scan; 4) 390 MHz Harmonic Scan;
 5) Fundamental Scan **Configuration:** Standard

Support Equipment: None

EUT Power: 12 VDC

Modification(s) made to EUT: None

Test Results: Passed

(The chart below shows the six highest readings taken from the final data)

| FREQ MHz | RAW dBm | SITE CF | CORR'D dB μ V | LIMIT | | MARGIN | | NOTE |
|-------------|------------|------------|----------------------|-------|-----|--------|-----|-------|
| | | | | QP | AVG | QP | AVG | |
| 298.20 | -23.7 PK | -11.2 | 72.1 | 76.0 | | -3.9 | | Horz. |
| 309.53 | -26.7 PK | -10.9 | 69.4 | 76.5 | | -7.1 | | Horz. |
| 390.16 | -36.1 PK | -8.5 | 62.4 | 80.0 | | -17.6 | | Horz. |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Horz. = Horizontal

Unit was scanned at each of these fundamental frequencies. An emission pulse was detected, when the unit's function button was depressed manually. The unit was scanned at harmonics of each of these fundamentals as well. No spurious emissions were detected.

APPENDIX A

PHOTOGRAPHS

APPENDIX B

TEST FACILITY

TEST FACILITY

Location: 11825 Niles Canyon Road
Sunol, CA 94586

Description: At the Sunol facility, there are four 3/10 m open area test sites, two line conducted labs and two indoor conducted/radiated engineering labs. The OATS and the LC labs are constructed and calibrated to meet the FCC requirements in documents OST-55/MP-4 and ANSI C63.4 1992.

Accreditation: EMC Technology Services Inc., has been accredited by A2LA to do EMC testing, including FCC DoC testing on personal computers and their peripherals.

FCC has also accepted EMC Technology Services, Inc., facility site for filing applications for certification and notification.

Authorization: EMC Technology Services,, Inc., has been authorized by TÜV Rheinland, TÜV Product Service, and Ace Mark, to perform EMC testing.

Certification: EMC Technology Services, Inc., has the following test/lab sites certified by VCCI:

Open Area Test Site #1 VCCI No. R-375

Open Area Test Site #2 VCCI No. R-376

Open Area Test Site #3 VCCI No. R-377

Open Area Test Site #4 VCCI No. R-378

Line Conducted Lab #1 VCCI No. C-392

Line Conducted Lab #2 VCCI No. C-427



MJO#: SN8F-008
JUNE 17, 1998
FCC ID: NUQPCT001G

APPENDIX C

TEST EQUIPMENT

MEASURING INSTRUMENT SETTINGS

| TEST TYPE | DETECTOR | FREQUENCY RANGE | RESOLUTION BANDWIDTH | VIDEO BANDWIDTH |
|-----------|-------------|-----------------|----------------------|-----------------|
| Conducted | Peak/Avg | 10 kHz-150 kHz | 300 Hz/3 kHz | 100 kHz/3 kHz |
| Conducted | Peak/QP/Avg | 150 kHz-30 MHz | 10 kHz/100 kHz | 100 kHz |
| Radiated | Peak/Avg | 60 Hz-1 kHz | 10 Hz | 100 kHz |
| Radiated | Peak/Avg | 1 kHz-10 kHz | 100 Hz | 100 kHz |
| Radiated | Peak/Avg | 10 kHz-150 kHz | 300 Hz | 100 kHz/300 Hz |
| Radiated | Peak/QP/Avg | 150 kHz-30 MHz | 10 kHz | 100 kHz/10 kHz |
| Radiated | Peak/QP/Avg | 30 MHz-1 GHz | 100 kHz | 100 kHz/10 kHz |
| Radiated | Peak/Avg | Above 1 GHz | 1 MHz | 1 MHz/300 kHz |

Note: All readings on data pages are taken with the detector in peak mode unless otherwise stated.

TEST EQUIPMENT LIST

| EQUIPMENT TYPE | * MFR | MODEL NUMBER | SERIAL NUMBER | LAST ** CAL. | CAL. DUE |
|-----------------------------|-------------------|--------------|----------------------|--------------|----------|
| Spectrum Analyzer | Hewlett Packard | 8568B | 2403A01080 | 12-23-97 | 12-23-98 |
| Analyzer Display | Hewlett Packard | 85662A | 2403A08752 | 12-23-97 | 12-23-98 |
| Q.P. Adapter | Hewlett Packard | 85650A | 2521A00800 | 12-23-97 | 12-23-98 |
| Preamplifier | Hewlett Packard | 8449B | 3008A00272 | 03-06-98 | 03-06-99 |
| Biconical Antenna | Compliance Design | B100 | None | 10-01-97 | 10-01-98 |
| Biconical Antenna | Compliance Design | B200 | MB1 | 10-01-97 | 10-01-98 |
| Biconical Antenna | Compliance Design | B300 | MB2 | 10-01-97 | 10-01-98 |
| Spectrum Analyzer | Tektronix | 2782 | B020370 | 06-10-98 | 06-10-99 |
| Double Ridged Guide Antenna | EMCO | 3115 | 9609-4906 | 08-13-97 | 08-13-98 |
| RF Amplifier | Hewlett Packard | 8347A | 2816A06685/ V/S/N | 03-06-98 | 03-06-99 |

* MFR = Manufacturer

** CAL. = Calibration

APPENDIX D

TEST METHODS

TEST METHODS (LINE CONDUCTED TEST)

- 1) The equipment will be set up according to the test specification to simulate typical actual usage. When the EUT is a table-top system, a wooden table with a height of 0.8 meters is used which is placed on the ground plane according to the test specification. When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, will be placed according to the test specification.
- 3) All I/O cables are positioned to simulate typical actual usage according to the test specification.
- 4) The EUT receives AC power through a Line Impedance Stabilization Network (LISN) which is grounded to the ground plane.
- 5) Support equipment, if used, will receive AC power through a second LISN.
- 6) Emissions are measured on each current carrying line of the EUT using a spectrum analyzer connected to the LISN powering the EUT.
- 7) During the emission measurement, the I/O cable placement position is adjusted in order to maximize the emission measurement level.
- 8) Emission frequency and amplitude are recorded into a computer in which correction factors are used to calculate the emission level and compare the reading to the applicable limit.

Data Sample:

| Freq. MHz | Raw dBm | Site CF | Corr'd dB μ V | Limit dB μ V | Margin dB μ V | Line |
|--------------|------------|------------|----------------------|---------------------|----------------------|------|
| 2.47 | -67.0 | 6.0 | 46.0 | 48.0 | -2.0 | L1 |

| | |
|-------------------|--|
| Freq. | = Emission frequency in MHz |
| Raw dBm | = Uncorrected analyzer reading |
| Site CF | = Correction Factors for pad/cable losses |
| Corr'd dB μ V | = RAW reading converted to dB μ V and CF added |
| Limit dB μ V | = Limit stated in standard |
| Margin dB μ V | = Reading in reference to limit |
| Note | = Current carrying line of reading |

TEST METHODS (RADIATED TEST)

- 1) The equipment will be set up according to the test specification to simulate typical actual usage. When the EUT is a table-top system, a wooden table with a height of 0.8 meters is used which is placed on the ground plane according to the test specification. When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, will be placed according to the test specification.
- 3) All I/O cables are positioned to simulate typical actual usage according to the test specification.
- 4) The antenna is placed at some given distance away from the EUT as stated in the test specification. The antenna connects to the analyzer via a cable and at times a preamp is used.
- 5) Emissions are scanned and measured rotating the EUT to 360 degrees, positioning cable placement, and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarizations in order to maximize the emission reading level.
- 6) Emission frequency, amplitude, antenna position, polarization, and table position are recorded into a computer in which correction factors are used to calculate the emission level and compare the reading to the applicable limit.

Data Sample:

| Freq. MHz | Raw dBm | Site CF | Corr'd dB μ V | Limit dB μ V | Margin dB μ V | Table Pos. | Ant Pos. |
|--------------|------------|------------|----------------------|---------------------|----------------------|---------------|-------------|
| 76.57 | -50.0 | -12.8 | 44.2 | 40.0 | -5.3 | 180 | 1.5V |

Freq. = Emission frequency in MHz

Raw dBm = Uncorrected analyzer reading

Site CF = Correction Factors for pad/cable losses

Corr'd dB μ V = RAW reading converted to dB μ V and CF added

Limit dB μ V = Limit stated in standard

Margin dB μ V = Reading in reference to limit

Table Position = EUT placement in reference to antenna

Antenna Position = Antenna polarization and height above ground plane

APPENDIX E

CLASS TYPES

FCC CLASS TYPES

CLASS A COMPUTING DEVICE

A computing device which is marketed for use in a commercial or business environment; exclusive of a device which is marketed for use by the general public, or which is intended to be used in the home. Reference: Section 15.3 (h).

CLASS B COMPUTING DEVICE

A computing device that is marketed for use in a residential environment notwithstanding use in a commercial, business, or industrial environment. Examples of such devices include, but are not limited to: electronic games, personal computers, calculators, and similar devices that are marketed for the general public. Reference: Section 15.3 (i).

NOTE: A manufacturer may also qualify a device intended to be marketed in a commercial, business, or industrial environment as a Class B computing device, and in fact is encouraged to do so, provided the device complies with the technical specifications for a Class B computing device. In the event that a particular type of device has been found to repeatedly cause harmful interference to radio communications, the Commission may classify such a computing device as a Class B computing device, regardless of its intended use.

APPENDIX F

LABELING REQUIREMENTS

FCC CLASS B LABELING REQUIREMENT

Section 15.19 of the Code of Federal Regulation

A) The Class B computing device subject to **certification** by the Commission shall be identified pursuant to par. 2.925 et seq of this Chapter. In addition, the label shall include the following statement:

FCC ID: NUQPCT001G
THIS DEVICE COMPLIES WITH PART 15 OF THE
FCC RULES. OPERATION IS SUBJECT TO THE
FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL
INTERFERENCE, AND (2) THIS DEVICE MUST
ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE
UNDESIRED OPERATION.

B) Where a device is constructed in two or more sections connected by wires and marketed together, the statement specified in this Section is required to be affixed only to the main control unit.

C) When the device is so small or for such use that it is not practicable to place the statement specified in this Section on it, the information required by these paragraphs shall be placed in a prominent location in the instruction manual or pamphlet supplied to the user or, alternatively, shall be placed on the container in which the device is marketed. However, the FCC identifier or the unique identifier, as appropriate, must be displayed on the device.

D) The label shall not be a stick-on paper label. The label on these products shall be permanently affixed to the product and shall be readily visible to the purchaser at the time of purchase. "Permanently affixed" means that the label is etched, engraved, stamped, silkscreened, indelibly printed, or otherwise permanently marked on a permanently attached part of the equipment or a nameplate of metal, plastic, or other material fastened to the equipment by welding, riveting, or use of a permanent adhesive. The label must be designed to last the expected lifetime of the equipment in the environment in which the equipment may be operated and must not be readily detachable.

APPENDIX G

DATA READINGS

FCC CLASS B
 RADIATED EMISSION DATA

COMPANY: Mikado Technology
 EQUIP. UNDER TEST: Programmable Garage Door Remote Control

MODEL NUMBER: MT-PCAT200G
 TEST PROCEDURE: FCC Class B (Part 15.231)
 SUPPORT EQUIPMENT: None

TESTED BY: George Arias II TEST SITE 3

TIME: 11:30am Control RM Temp: 68 Deg.F Humidity: 30 %RH
 EUT Room Temp: 75 Deg.F Humidity: 40 %RH

200MHz to 400MHz Biconical Antenna at 3 meters Horz.

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT dBuV | EUT MARGIN dBuV | POSITION TBL | POSITION ANT |
|-------------|------------|------------|----------------|---------------|--------------------|-----------------|-----------------|
| --- | --- | --- | --- | ----- | ----- | --- | --- |

Fundamental:

200MHz to 400MHz Biconical Antenna at 3 meters Horz.
 298.20 -23.7PK -11.2 72.1 76.0 -3.9 180 1.75
 309.53 -26.7PK -10.9 69.4 76.5 -7.1 180 1.75
 390.16 -36.1PK -8.5 62.4 80.0 -17.6 180 1.75

200MHz to 400MHz Biconical Antenna at 3 meters Vert.
 298.16 -29.6PK -11.2 66.2 76.0 -9.8 180 1.50
 309.61 -28.9PK -10.9 67.2 76.5 -9.3 180 1.50
 390.26 -31.1PK -8.5 67.4 80.0 -12.6 180 1.50

===== END OF RADIATED TEST =====

FCC CLASS B
 RADIATED EMISSION DATA

COMPANY: Mikado Technology
 EQUIP. UNDER TEST: Programmable Garage Door Remote Control

MODEL NUMBER: MT-PCAT200G
 TEST PROCEDURE: FCC Class B (Part 15.231)
 SUPPORT EQUIPMENT: None

TESTED BY: George Arias II TEST SITE 3

TIME: 11:30am Control RM Temp: 68 Deg.F Humidity: 30 %RH
 EUT Room Temp: 75 Deg.F Humidity: 40 %RH

30MHz TO 200MHz Biconical Antenna at 3 meters Horz.

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT A | LIMIT B | EUT A | MARGIN A | POSITION TBL | POSITION ANT |
|-------------|------------|------------|----------------|------------|------------|----------|-------------|-----------------|-----------------|
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Standard 30MHz to 1GHz Spectrum Scan

30MHz TO 200MHz Biconical Antenna at 3 meters Horz.

| | | | | | | | | | |
|--------|---------|-------|------|------|------|-------|-------|-----|------|
| 32.19 | -73.2PK | -19.6 | 14.2 | 49.5 | 40.0 | -35.3 | -25.8 | 195 | 2.50 |
| 40.49 | -68.3PK | -19.6 | 19.1 | 49.5 | 40.0 | -30.4 | -20.9 | 195 | 2.30 |
| 66.29 | -68.3PK | -22.2 | 16.5 | 49.5 | 40.0 | -33.0 | -23.5 | 195 | 2.30 |
| 100.00 | -65.3PK | -18.8 | 22.9 | 54.0 | 43.5 | -31.1 | -20.6 | 160 | 2.50 |

30MHz TO 200MHz Biconical Antenna at 3 meters Vert.

| | | | | | | | | | |
|--------|---------|-------|------|------|------|-------|-------|-----|------|
| 32.60 | -75.0PK | -19.7 | 12.3 | 49.5 | 40.0 | -37.2 | -27.7 | 160 | 2.30 |
| 40.29 | -67.2PK | -19.6 | 20.2 | 49.5 | 40.0 | -29.3 | -19.8 | 160 | 1.75 |
| 100.00 | -68.0PK | -18.8 | 20.2 | 54.0 | 43.5 | -33.8 | -23.3 | 95 | 1.75 |

=====
 ===== END OF RADIATED TEST =====
 =====

FCC CLASS B
RADIATED EMISSION DATA

COMPANY: Mikado Technology
EQUIP. UNDER TEST: Programmable Garage Door Remote Control

MODEL NUMBER: MT-PCAT200G
TEST PROCEDURE: FCC Class B (Part 15.231)
SUPPORT EQUIPMENT: None

TESTED BY: George Arias II TEST SITE 3

TIME: 1:00pm Control RM Temp: 68 Deg.F Humidity: 30 %RH
EUT Room Temp: 75 Deg.F Humidity: 40 %RH

400MHz to 1000MHz Biconical Antenna at 3 meters Horz.

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT A B | EUT A | MARGIN B | POSITION TBL ANT |
|-------------|------------|------------|----------------|-------------------|----------|-------------|------------------------|
| --- | --- | --- | --- | --- | --- | --- | --- |

300MHz Harmonic Scan

400MHz to 1000MHz Biconical Antenna at 3 meters Horz.
 596.28 -63.3PK -3.8 39.9 57.0 46.0 -17.1 -6.1 300 1.50
 894.57 -76.3PK +0.9 31.6 57.0 46.0 -25.4 -14.4 195 1.75

400MHz to 1000MHz Biconical Antenna at 3 meters Vert.
 596.28 -65.2PK -3.8 38.0 57.0 46.0 -19.0 -8.0 230 1.75
 894.57 -79.0PK +0.9 28.9 57.0 46.0 -28.1 -17.1 120 1.50

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.
 1192.70 -62.3PK -8.0 36.7 60.0 54.0 -23.3 -17.3 185 1.00
 1490.32 -65.2PK -6.6 35.2 60.0 54.0 -24.8 -18.8 95 1.00
 1788.60 -65.1PK -5.3 36.7 60.0 54.0 -23.3 -17.3 195 1.00
 2086.12 -65.3PK -3.9 37.8 60.0 54.0 -22.2 -16.2 195 1.00
 2384.22 -65.8PK -2.5 38.7 60.0 54.0 -21.3 -15.3 195 1.00
 2682.32 -66.8PK -1.2 39.0 60.0 54.0 -21.0 -15.0 195 1.00
 2980.42 -65.8PK +0.2 41.4 60.0 54.0 -18.6 -12.6 185 1.00

FCC CLASS B
 RADIATED EMISSION DATA

 COMPANY: Mikado Technology
 EQUIP. UNDER TEST: Programmable Garage Door Remote Control

 MODEL NUMBER: MT-PCAT200G
 TEST PROCEDURE: FCC Class B (Part 15.231)
 SUPPORT EQUIPMENT: None

TESTED BY: George Arias II TEST SITE 3

 TIME: 1:30pm Control RM Temp: 68 Deg.F Humidity: 30 %RH
 EUT Room Temp: 75 Deg.F Humidity: 40 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT | | EUT MARGIN | | POSITION | |
|-------------|------------|------------|----------------|-------|---|------------|---|----------|-----|
| --- | --- | --- | --- | A | B | A | B | TBL | ANT |

300MHz Harmonic Scan

| 1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert. | | | | | | | | | |
|---|---------|------|------|------|------|-------|-------|-----|------|
| 1192.70 | -65.3PK | -8.0 | 33.7 | 60.0 | 54.0 | -26.3 | -20.3 | 195 | 1.00 |
| 1490.32 | -66.3PK | -6.6 | 34.1 | 60.0 | 54.0 | -25.9 | -19.9 | 185 | 1.00 |
| 1788.60 | -66.3PK | -5.3 | 35.4 | 60.0 | 54.0 | -24.6 | -18.6 | 185 | 1.00 |
| 2086.12 | -66.3PK | -3.9 | 36.8 | 60.0 | 54.0 | -23.2 | -17.2 | 185 | 1.00 |
| 2384.22 | -67.5PK | -2.5 | 37.0 | 60.0 | 54.0 | -23.0 | -17.0 | 185 | 1.00 |
| 2682.32 | -66.7PK | -1.2 | 39.1 | 60.0 | 54.0 | -20.9 | -14.9 | 100 | 1.00 |
| 2980.42 | -68.2PK | +0.2 | 39.0 | 60.0 | 54.0 | -21.0 | -15.0 | 195 | 1.00 |

===== End Of 300MHz Harmonic Scan =====

FCC CLASS B
 RADIATED EMISSION DATA

 COMPANY: Mikado Technology
 EQUIP. UNDER TEST: Programmable Garage Door Remote Control

 MODEL NUMBER: MT-PCAT200G
 TEST PROCEDURE: FCC Class B (Part 15.231)
 SUPPORT EQUIPMENT: None

TESTED BY: George Arias II TEST SITE 3

 TIME: 2:00pm Control RM Temp: 68 Deg.F Humidity: 30 %RH
 EUT Room Temp: 75 Deg.F Humidity: 40 %RH

400MHz to 1000MHz Biconical Antenna at 3 meters Horz.

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT A | LIMIT B | EUT A | MARGIN B | POSITION TBL | POSITION ANT |
|-------------|------------|------------|----------------|------------|------------|----------|-------------|-----------------|-----------------|
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

310MHz Harmonic Scan

 400MHz to 1000MHz Biconical Antenna at 3 meters Horz.
 619.03 -69.3PK -3.4 34.3 57.0 46.0 -22.7 -11.7 195 1.20
 928.83 -76.3PK +1.3 32.0 57.0 46.0 -25.0 -14.0 195 1.50

 400MHz to 1000MHz Biconical Antenna at 3 meters Vert.
 619.03 -70.2PK -3.4 33.4 57.0 46.0 -23.6 -12.6 195 2.00
 928.83 -79.0PK +1.3 29.3 57.0 46.0 -27.7 -16.7 160 1.50

 1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.
 1237.09 -59.2PK -7.8 40.0 60.0 54.0 -20.0 -14.0 180 1.00
 1546.20 -66.8PK -6.4 33.8 60.0 54.0 -26.2 -20.2 160 1.00
 1856.64 -66.5PK -5.0 35.5 60.0 54.0 -24.5 -18.5 195 1.00
 2165.32 -67.2PK -3.5 36.3 60.0 54.0 -23.7 -17.7 95 1.00
 2475.52 -66.5PK -2.1 38.4 60.0 54.0 -21.6 -15.6 195 1.00
 2784.96 -68.2PK -0.7 38.1 60.0 54.0 -21.9 -15.9 160 1.00
 3094.40 -68.2PK -0.9 37.9 60.0 54.0 -22.1 -16.1 95 1.00

FCC CLASS B
RADIATED EMISSION DATA

COMPANY: Mikado Technology
EQUIP. UNDER TEST: Programmable Garage Door Remote Control

MODEL NUMBER: MT-PCAT200G
TEST PROCEDURE: FCC Class B (Part 15.231)
SUPPORT EQUIPMENT: None

TESTED BY: George Arias II TEST SITE 3

TIME: 2:30pm Control RM Temp: 68 Deg.F Humidity: 30 %RH
EUT Room Temp: 75 Deg.F Humidity: 40 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT | | EUT | MARGIN | POSITION | |
|-------------|------------|------------|----------------|-------|---|-----|--------|------------|------------|
| ---- | --- | ---- | ---- | A | B | --- | --- | TBL --- | ANT --- |

310MHz Harmonic Scan

| 1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert. | | | | | | | | | |
|---|---------|------|------|------|------|-------|-------|-----|------|
| 1237.09 | -59.3PK | -7.8 | 39.9 | 60.0 | 54.0 | -20.1 | -14.1 | 185 | 1.00 |
| 1547.20 | -66.8PK | -6.4 | 33.8 | 60.0 | 54.0 | -26.2 | -20.2 | 120 | 1.00 |
| 1856.64 | -66.5PK | -5.0 | 35.5 | 60.0 | 54.0 | -24.5 | -18.5 | 195 | 1.00 |
| 2165.32 | -65.3PK | -3.5 | 38.2 | 60.0 | 54.0 | -21.8 | -15.8 | 195 | 1.00 |
| 2475.52 | -65.3PK | -2.1 | 39.6 | 60.0 | 54.0 | -20.4 | -14.4 | 195 | 1.00 |
| 2784.96 | -66.5PK | -0.7 | 39.8 | 60.0 | 54.0 | -20.2 | -14.2 | 195 | 1.00 |
| 3094.40 | -65.2PK | -0.9 | 40.9 | 60.0 | 54.0 | -19.1 | -13.1 | 195 | 1.00 |

===== End Of 310MHz Harmonic Scan =====

FCC CLASS B
RADIATED EMISSION DATA
COMPANY: Mikado Technology
EQUIP. UNDER TEST: Programmable Garage Door Remote Control

MODEL NUMBER: MT-PCAT200G
TEST PROCEDURE: FCC Class B (Part 15.231)
SUPPORT EQUIPMENT: None

TESTED BY: George Arias II **TEST SITE 3**
TIME: 3:00pm Control RM Temp: 68 Deg.F Humidity: 30 %RH
 EUT Room Temp: 75 Deg.F Humidity: 40 %RH

400MHz to 1000MHz Biconical Antenna at 3 meters Horz.

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT | | EUT MARGIN | | POSITION | |
|-------------|------------|------------|----------------|-------|-----|------------|-----|----------|-----|
| --- | --- | --- | --- | A | B | A | B | TBL | ANT |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

390MHz Harmonic Scan
400MHz to 1000MHz Biconical Antenna at 3 meters Horz.
 780.12 -68.3PK -0.7 38.0 57.0 46.0 -19.0 -8.0 100 1.50

400MHz to 1000MHz Biconical Antenna at 3 meters Vert.
 780.12 -72.0PK -0.7 34.3 57.0 46.0 -22.7 -11.7 195 1.00

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

| | | | | | | | | | |
|---------|---------|------|------|------|------|-------|-------|-----|------|
| 1169.46 | -65.0PK | -8.1 | 33.9 | 60.0 | 54.0 | -26.1 | -20.1 | 160 | 1.00 |
| 1559.28 | -62.3PK | -6.3 | 38.4 | 60.0 | 54.0 | -21.6 | -15.6 | 95 | 1.00 |
| 1949.30 | -66.2PK | -4.5 | 36.3 | 60.0 | 54.0 | -23.7 | -17.7 | 195 | 1.00 |
| 2339.12 | -65.2PK | -2.7 | 39.1 | 60.0 | 54.0 | -20.9 | -14.9 | 95 | 1.00 |
| 2728.69 | -66.3PK | -0.9 | 39.8 | 60.0 | 54.0 | -20.2 | -14.2 | 195 | 1.00 |
| 3118.54 | -66.3PK | -0.8 | 39.9 | 60.0 | 54.0 | -20.1 | -14.1 | 185 | 1.00 |
| 3508.33 | -66.3PK | +0.2 | 40.9 | 60.0 | 54.0 | -19.1 | -13.1 | 195 | 1.00 |
| 3898.15 | -66.2PK | +1.1 | 41.9 | 60.0 | 54.0 | -18.1 | -12.1 | 195 | 1.00 |

FCC CLASS B
RADIATED EMISSION DATA

COMPANY: Mikado Technology
EQUIP. UNDER TEST: Programmable Garage Door Remote Control

MODEL NUMBER: MT-PCAT200G
TEST PROCEDURE: FCC Class B (Part 15.231)
SUPPORT EQUIPMENT: None

TESTED BY: George Arias II TEST SITE 3

TIME: 3:30pm Control RM Temp: 68 Deg.F Humidity: 30 %RH
EUT Room Temp: 75 Deg.F Humidity: 40 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

| FREQ MHz | RAW dBm | SITE CF | CORR'D dBuV | LIMIT | | EUT A | MARGIN B | POSITION TBL | ANT |
|-------------|------------|------------|----------------|-------|---|----------|-------------|-----------------|-----|
| --- | --- | ---- | ---- | A | B | --- | --- | --- | --- |

390MHz Harmonic Scan

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

| | | | | | | | | | |
|---------|---------|------|------|------|------|-------|-------|-----|------|
| 1169.50 | -65.3PK | -8.1 | 33.6 | 60.0 | 54.0 | -26.4 | -20.4 | 195 | 1.00 |
| 1559.28 | -68.3PK | -6.3 | 32.4 | 60.0 | 54.0 | -27.6 | -21.6 | 120 | 1.00 |
| 1949.30 | -66.2PK | -4.5 | 36.3 | 60.0 | 54.0 | -23.7 | -17.7 | 180 | 1.00 |
| 2339.12 | -65.9PK | -2.7 | 38.4 | 60.0 | 54.0 | -21.6 | -15.6 | 185 | 1.00 |
| 2728.70 | -66.3PK | -0.9 | 39.8 | 60.0 | 54.0 | -20.2 | -14.2 | 195 | 1.00 |
| 3118.51 | -65.3PK | -0.8 | 40.9 | 60.0 | 54.0 | -19.1 | -13.1 | 195 | 1.00 |
| 3508.33 | -67.2PK | +0.2 | 40.0 | 60.0 | 54.0 | -20.0 | -14.0 | 230 | 1.00 |
| 3898.15 | -67.3PK | +1.1 | 40.8 | 60.0 | 54.0 | -19.2 | -13.2 | 185 | 1.00 |

===== End Of 390MHz Harmonic Scan =====

===== END OF RADIATED TEST =====

APPENDIX H

TEST PROCEDURES

For a Copy Contact:

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