*FCC PART 15, SUBPART B and C*
*TEST REPORT*

*for*

# ECOCONTACT AND ECOVIEW

# MODELS: PST6250 AND PST6200

Prepared for

TELKONET, INC.
10200 WEST INNOVATION DRIVE, SUITE 300
MILWAUKEE, WISCONSIN 53226

Prepared by:_____

KYLE FUJIMOTO

Approved by:_____

JAMES ROSS

COMPATIBLE ELECTRONICS INC.
114 OLINDA DRIVE
BREA, CALIFORNIA 92823
(714) 579-0500

DATE: AUGUST 8, 2014

| | REPORT BODY | APPENDICES | | | | | TOTAL |
|---|---|---|---|---|---|---|---|
| | | ***A*** | ***B*** | ***C*** | ***D*** | ***E*** | |
| PAGES | 20 | 2 | 2 | 2 | 30 | 112 | **168** |

# TABLE OF CONTENTS

## LIST OF APPENDICES



## LIST OF FIGURES

# GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government.

| | |
|---|---|
| Device Tested: | EcoContact and EcoView<br>Models: PST6250 and PST6200<br>S/N: N/A |
| Product Description: | See Expository Statement |
| Modifications: | The EUT was not modified during the testing. |
| Customer: | Telkonet, Inc.<br>10200 West Innovation Drive, Suite 300<br>Milwaukee, Wisconsin 53226 |
| Test Dates: | April 23, 24, 25, and 29, 2014 |
| Test Specifications: | EMI requirements<br>CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.207, 15.209, and 15.249 |
| Test Procedure: | ANSI C63.4 |
| Test Deviations: | The test procedure was not deviated from during the testing. |

# SUMMARY OF TEST RESULTS

| *TEST* | DESCRIPTION | RESULTS |
|---|---|---|
| 1 | Spurious Radiated RF Emissions, 10 kHz – 25000 MHz<br>(Transmitter and Digital portion) | Complies with the **Class B** limits of CFR Title 47, Part 15 Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, sections 15.205, 15.209 and 15.249 |
| 2 | Conducted RF Emissions,<br>150 kHz to 30 MHz | Complies with the **Class B** limits of CFR Title 47, Part 15 Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.207 |

## 1. PURPOSE

This document is a qualification test report based on the emissions tests performed on the EcoContact and EcoView, Models: PST6250 and PST6200. The emissions measurements were performed according to the measurement procedure described in ANSI C63.4. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the Class B specification limits defined by CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.207, 15.209, and 15.249.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B.

# 2. ADMINISTRATIVE DATA

## 2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Compatible Electronics, 114 Olinda Drive, Brea, California 92823.

## 2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

## 2.3 Cognizant Personnel

Telkonet, Inc.

| | |
|---|---|
| Clark Stremke | Principal Firmware Engineer |
| Jeff Sobieski | CTO |

Compatible Electronics, Inc.

| | |
|---|---|
| Kyle Fujimoto | Test Engineer |
| James Ross | Test Engineer |

## 2.4 Date Test Sample was Received

The test sample was received prior to the date of testing.

## 2.5 Disposition of the Test Sample

The test sample has not been returned to Telkonet, Inc. as of the date of this test report.

## 2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

| | |
|---|---|
| RF | Radio Frequency |
| EMI | Electromagnetic Interference |
| EUT | Equipment Under Test |
| P/N | Part Number |
| S/N | Serial Number |
| HP | Hewlett Packard |
| ITE | Information Technology Equipment |
| CML | Corrected Meter Limit |
| LISN | Line Impedance Stabilization Network |
| N/A | Not Applicable |

## 3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

| SPEC | TITLE |
|---|---|
| FCC Title 47, Part 15 Subpart C | FCC Rules - Radio frequency devices (including digital devices) – Intentional Radiators |
| FCC Title 47, Part 15 Subpart B | FCC Rules - Radio frequency devices (including digital devices) – Unintentional Radiators |
| ANSI C63.4 2009 | Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz |

# 4. DESCRIPTION OF TEST CONFIGURATION

## 4.1 Description of Test Configuration - Emissions

**Battery Power Mode – EcoContact:** The EcoContact, Model: PST6250 (EUT) was connected to an unterminated 1-meter cable. The EcoContact was tested in three orthogonal axis.

**Battery Power Mode – EcoView**, The EcoView, Model: PST6200 (EUT) was connected to an unterminated 1-meter cable. The EcoView was tested in the X-Axis and Y-Axis.

**Thermostat Power Mode -- EcoContact:** The EcoContact, Model: PST6250 (EUT) was connected to a Zigbee Temperature Sensor, Model: PST6000 via its DC IN port. The EcoContact was tested in three orthogonal axis.

**Thermostat Power Mode -- EcoView:** The EcoView, Model: PST6200 (EUT) was connected to a Zigbee Temperature Sensor, Model: PST6000 via its DC IN port. The EcoView was tested in the X-Axis and Y-Axis.

The EUT was tested for emissions at the low, middle, and high channels. The channels were changed by special firmware on the EUT that allowed the EUT to transmit continuously at either the low, middle, or high channel.

It was determined that the emissions were at their highest level when the EUT was operating in the mode described above. The final emissions data was taken in this mode of operation and any cables were moved to maximize the emissions. All initial investigations were performed with the measurement receiver in manual mode scanning the frequency range continuously. The EUT was set up as shown in the photographs in Appendix D. The data sheets are located in Appendix E.

### 4.1.1 Description of Test Configuration - Emissions

**Cable 1:** **(For Thermostat Power Mode Only for both the EcoContact and EcoView)**
This is a 1-meter unshielded cable connecting the EUT to the Zigbee Temperature Sensor. The cable is hard wired at each end.

**Cable 2:** **(For Battery Power Only for both the EcoContact and EcoView)**
This is a 1-meter unshielded, unterminated cable connected to the EUT. The cable is hard wired at each end.

# 5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

## 5.1 EUT and Accessory List

| EQUIPMENT | MANUFACTURER | MODEL NUMBER | SERIAL NUMBER | FCC ID |
|---|---|---|---|---|
| EcoContact and EcoView | Telkonet, Inc.. | PST6250 and PST6200 | N/A | XV6PST62X0 |
| Zigbee Temperature Sensor | Telkonet, Inc. | PST6000 | N/A | XV6PST6000 |

## 5.2 EMI Test Equipment

| EQUIPMENT TYPE | MANU-FACTURER | MODEL NUMBER | SERIAL NUMBER | CALIBRATION DATE | CAL. CYCLE |
|---|---|---|---|---|---|
| **GENERAL TEST EQUIPMENT** | | | | | |
| Computer | Hewlett Packard | p6716f | MXX1030PX0 | N/A | N/A |
| LCD Monitor | Hewlett Packard | 52031a | 3CQ046N3MG | N/A | N/A |
| EMI Receiver | Rohde & Schwarz | ESIB40 | 100194 | November 19, 2012 | 2 Year |
| EMI Receiver, 20 Hz – 26.5 GHz | Agilent Technologies | N9038A | MY51100115 | March 6, 2014 | 2 Year |
| **RF RADIATED EMISSIONS TEST EQUIPMENT** | | | | | |
| TDK Emissions Lab | TDK RF Solutions, Inc. | 7.8.7 | N/A | N/A | N/A |
| CombiLog Antenna | Com-Power | AC-220 | 61060 | May 29, 2013 | 1 Year |
| Preamplifier | Com-Power | PA-118 | 181656 | January 13, 2014 | 1 Year |
| Preamplifier | Com-Power | PA-840 | 711013 | May 17, 2012 | 2 Year |
| Loop Antenna | Com-Power | AL-130 | 17089 | January 29, 2013 | 2 Year |
| Horn Antenna | Com-Power | AH-118 | 071175 | February 26, 2014 | 2 Year |
| Horn Antenna | Com-Power | AH-826 | 0071957 | N/A | N/A |
| Antenna Mast | Com Power | AM-100 | N/A | N/A | N/A |
| System Controller | Sunol Sciences Corporation | SC110V | 112213-1 | N/A | N/A |
| Turntable | Sunol Sciences Corporation | 2011VS | N/A | N/A | N/A |
| Antenna-Mast | Sunol Sciences Corporation | TWR95-4 | 112213-3 | N/A | N/A |

**EMI Test Equipment (Continued)**

| EQUIPMENT TYPE | MANU-FACTURER | MODEL NUMBER | SERIAL NUMBER | CALIBRATION DATE | CAL. CYCLE |
|---|---|---|---|---|---|
| **RF CONDUCTED EMISSIONS TEST EQUIPMENT** | | | | | |
| Shield Room Test | Compatible Electronics | 11CD | N/A | N/A | N/A |
| LISN | Com-Power | LI-215 | 12082 | June 17, 2013 | 1 Year |
| LISN | Com-Power | LI-215 | 12090 | June 17, 2013 | 1 Year |
| Transient Limiter | Com-Power | 252A910 | 1 | October 8, 2013 | 1 Year |
| Spectrum Analyzer – Main Section | Hewlett Packard | 8566B | 3638A08784 | June 26, 2013 | 1 Year |
| Spectrum Analyzer – Display Section | Hewlett Packard | 85662A | 2648A14530 | June 26, 2013 | 1 Year |
| Quasi-Peak Adapter | Hewlett Packard | 85650A | 2811A01363 | June 26, 2013 | 1 Year |

## 6. TEST SITE DESCRIPTION

### 6.1 Test Facility Description

Please refer to section 2.1 and 7.1 of this report for EMI test location.

### 6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded.

# 7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

## 7.1 RF Emissions

### 7.1.1 Conducted Emissions Test

The spectrum analyzer was used as a measuring meter. The data was collected with the spectrum analyzer in the peak detect mode with the "Max Hold" feature activated. The quasi-peak was used only where indicated in the data sheets. A transient limiter was used for the protection of the spectrum analyzer input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the spectrum analyzer. The output of the second LISN was terminated by a 50 ohm termination. The effective measurement bandwidth used for this test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding, and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.4. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The conducted emissions from the EUT were maximized for operating mode as well as cable placement. The final data was collected under program control by the Compatible Electronics Conducted Emissions software in several overlapping sweeps by running the spectrum analyzer at a minimum scan rate of 10 seconds per octave. The final qualification data is located in Appendix E. The six highest emissions are listed in Table 1.0 and 3.0.

**Test Results:**

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.207 for conducted emissions. Please see Appendix E for the data sheets.

### 7.1.2 Radiated Emissions (Spurious and Harmonics) Test – Lab B

The EMI Receiver was used as a measuring meter. A preamplifier was used to increase the sensitivity of the instrument. The Com Power Microwave Preamplifier M/N: PA-118 was used for frequencies from 1 GHz to 18 GHz, and the M/N: PA-840 was used for frequencies above 18 GHz. The EMI Receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the EMI Receiver records the highest measured reading over all the sweeps.

The frequencies above 1 GHz were adjusted by a “duty cycle correction factor”, derived from 20 log (dwell time / 100 ms).

The measurement bandwidths and transducers used for the radiated emissions test were:

| FREQUENCY RANGE | EFFECTIVE MEASUREMENT BANDWIDTH | TRANSDUCER |
|---|---|---|
| 1 GHz to 25 GHz | 1 MHz | Horn Antenna |

The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 2009. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT by the Radiated Emission Manual Test software. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gunsight method was used when measuring with the horn antenna in order to ensure accurate results.

## Radiated Emissions (Spurious and Harmonics) Test -- Lab B (con't)

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 3 meter test distance from 1 GHz to 25 GHz to obtain the final test data. The six highest emissions are listed in Table 2.0.

**Test Results:**

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, sections 15.209 and 15.249 for radiated emissions. Please see Appendix E for the data sheets.

### 7.1.3 Radiated Emissions (Spurious and Harmonics) Test – Lab D

The EMI Receiver was used as the measuring meter. A built-in, internal preamplifier was used to increase the sensitivity of the instrument. The EMI Receiver was initially used in the Analyzer mode feature activated. In this mode, the EMI receiver can then record the actual frequency to be measured. This final reading is then taken accurately in the EMI Receiver mode, which takes into account the cable loss, amplifier gain and antenna factors, so that a true reading is compared to the true limit. A quasi-peak reading was taken only for those readings, which are marked accordingly on the data sheets.

The EMI test chamber of Compatible Electronics, Inc. was used for radiated emissions testing. This test site is set up according to ANSI C63.4: 2009. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT.

The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength).

The measurement bandwidths and transducers used for the radiated emissions test were:

| FREQUENCY RANGE | EFFECTIVE MEASUREMENT BANDWIDTH | TRANSDUCER |
|---|---|---|
| 10 kHz to 150 kHz | 200 Hz | Active Loop Antenna |
| 150 kHz to 30 MHz | 9 kHz | Active Loop Antenna |
| 30 MHz to 1 GHz | 120 kHz | CombiLog Antenna |

The EUT was tested at a 3 meter test distance. The six highest emissions are listed in Table 2.0 and Table 4.0. .

**Test Results:**

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, sections 15.209 and 15.249 for radiated emissions. Please see Appendix E for the data sheets.

### 7.1.4 RF Emissions Test Results -- EcoContact

Table 1.0 CONDUCTED EMISSION RESULTS
EcoContact, Model: PST6250

| Frequency MHz | Emission Level* dBuV | Average Specification Limit dBuV | Delta (Spec limit-Emission) dB |
|---|---|---|---|
| 0.831 (WL) | 43.53 | 46.00 | -2.47 |
| 0.637 (BL) | 42.23 | 46.00 | -3.77 |
| 0.338 (WL) | 45.29 | 49.26 | -3.97 |
| 0.822 (BL) | 41.64 | 46.00 | -4.36 |
| 0.400 (WL) | 43.37 | 47.86 | -4.48 |
| 0.634 (WL) | 41.23 | 46.00 | -4.77 |

Notes:

(WL) White Lead
(BL) Black Lead
* The complete data is given in Appendix E of this report.

## RF Emissions Test Results (Continued) -- EcoContact

Table 2.0 RADIATED EMISSION RESULTS
EcoContact, Model: PST6250

| Frequency MHz | Average Corrected Reading* dBuV | Specification Limit dBuV | Delta (Cor. Reading – Spec. Limit) dB |
|---|---|---|---|
| 2483.5 (V) (Y-Axis) Thermostat Power | 42.23 (A) | 54.00 | -11.77 |
| 2483.5 (V) (Z-Axis) Battery Power | 42.07 (A) | 54.00 | -11.93 |
| 2483.5 (H) (Z-Axis) Battery Power | 41.56 (A) | 54.00 | -12.44 |
| 2483.5 (H) (Z-Axis) Thermostat Power | 41.56 (A) | 54.00 | -12.44 |
| 625.00 (V) Thermostat Power | 31.42 (QP) | 46.00 | -14.58 |
| 375.00 (V) Thermostat Power | 29.36 (QP) | 46.00 | -16.64 |

Notes:

(H) Horizontal
(V) Vertical
* The complete emissions data is given in Appendix E of this report.

### 7.1.5 RF Emissions Test Results -- EcoView

Table 3.0 CONDUCTED EMISSION RESULTS
EcoView, Model: PST6200

| Frequency MHz | Emission Level* dBuV | Average Specification Limit dBuV | Delta (Spec limit-Emission) dB |
|---|---|---|---|
| 0.641 (WL) | 39.30 (Average) | 46.00 | -6.70 |
| 0.641 (BL) | 38.69 (Average) | 46.00 | -7.31 |
| 0.831 (WL) | 37.94 (Average) | 46.00 | -8.06 |
| 0.831 (BL) | 37.72 (Average) | 46.00 | -8.28 |
| 0.899 (BL) | 35.94 (Average) | 46.00 | -10.06 |
| 0.899 (WL) | 35.88 (Average) | 46.00 | -10.12 |

Notes:

(WL) White Lead
(BL) Black Lead
* The complete data is given in Appendix E of this report.

## RF Emissions Test Results (Continued) -- EcoView

Table 4.0 RADIATED EMISSION RESULTS
EcoView, Model: PST6200

| Frequency MHz | Average Corrected Reading* dBuV | Specification Limit dBuV | Delta (Cor. Reading – Spec. Limit) dB |
|---|---|---|---|
| 2483.5 (H) (X-Axis) Battery Power | 43.28 (A) | 54.00 | -10.72 |
| 2483.5 (H) (Y-Axis) Thermostat Power | 41.45 (A) | 54.00 | -12.55 |
| 2483.5 (V) (X-Axis) Battery Power | 39.85 (A) | 54.00 | -14.15 |
| 625.00 (V) Thermostat Power | 31.46 (QP) | 46.00 | -14.54 |
| 375.00 (V) Thermostat Power | 29.52 (QP) | 46.00 | -16.48 |
| 2483.5 (V) (Y-Axis) Thermostat Power | 37.08 (A) | 54.00 | -16.92 |

Notes:

(H) Horizontal
(V) Vertical
* The complete emissions data is given in Appendix E of this report.

## 8. CONCLUSIONS

The EcoContact and EcoView, Models: PST6250 and PST6200 meets all of the specification limits defined in FCC Title 47, Part 15, Subpart C, sections 15.205, 15.207, 15.209, and 15.249.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B.

# APPENDIX A

# *LABORATORY ACCREDITATIONS AND RECOGNITIONS*

# LABORATORY ACCREDITATIONS AND RECOGNITIONS

NVLAP LAB CODES 200063-0, 200528-0, 200527-0

For US, Canada, Australia/New Zealand, Japan, Taiwan, Korea, and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025. Please follow the link to the NIST/NVLAP site for each of our facilities' NVLAP certificate and scope of accreditation

**NVLAP listing links**

**Agoura Division** / **Brea Division** / **Silverado/Lake Forest Division**

.Quote from ISO-ILAC-IAF Communiqué on 17025:

"A laboratory's fulfilment of the requirements of ISO/IEC 17025:2005 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025:2005 (Section 4) are written in language relevant to laboratory operations and meet the principles of ISO 9001:2008 Quality Management Systems — Requirements."

**ANSI listing** CETCB

Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for EMC under the US/EU Mutual Recognition Agreement (MRA).
**US/EU MRA list** NIST MRA site

Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for Taiwan/BSMI under the US/APEC (Asia-Pacific Economic Cooperation) Mutual Recognition Agreement (MRA).
**APEC MRA list** NIST MRA site

We are also listed for IT products by the following country/agency:

**VCCI Support member: Please visit http://www.vcci.jp/vcci_e/**

**FCC Listing, from FCC OET site**
FCC test lab search https://fjallfoss.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm

Compatible Electronics IC listing can be found at:
http://www.ic.gc.ca/eic/site/ic1.nsf/eng/home

# APPENDIX B

# *MODIFICATIONS TO THE EUT*

# MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC Subpart B and FCC 15.249 specifications.

All the rework described below was implemented during the test in a method that could be reproduced in all the units by the manufacturer.

The EUT was not modified during the testing.

**APPENDIX C**

# *ADDITIONAL MODELS COVERED UNDER THIS REPORT*

# ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

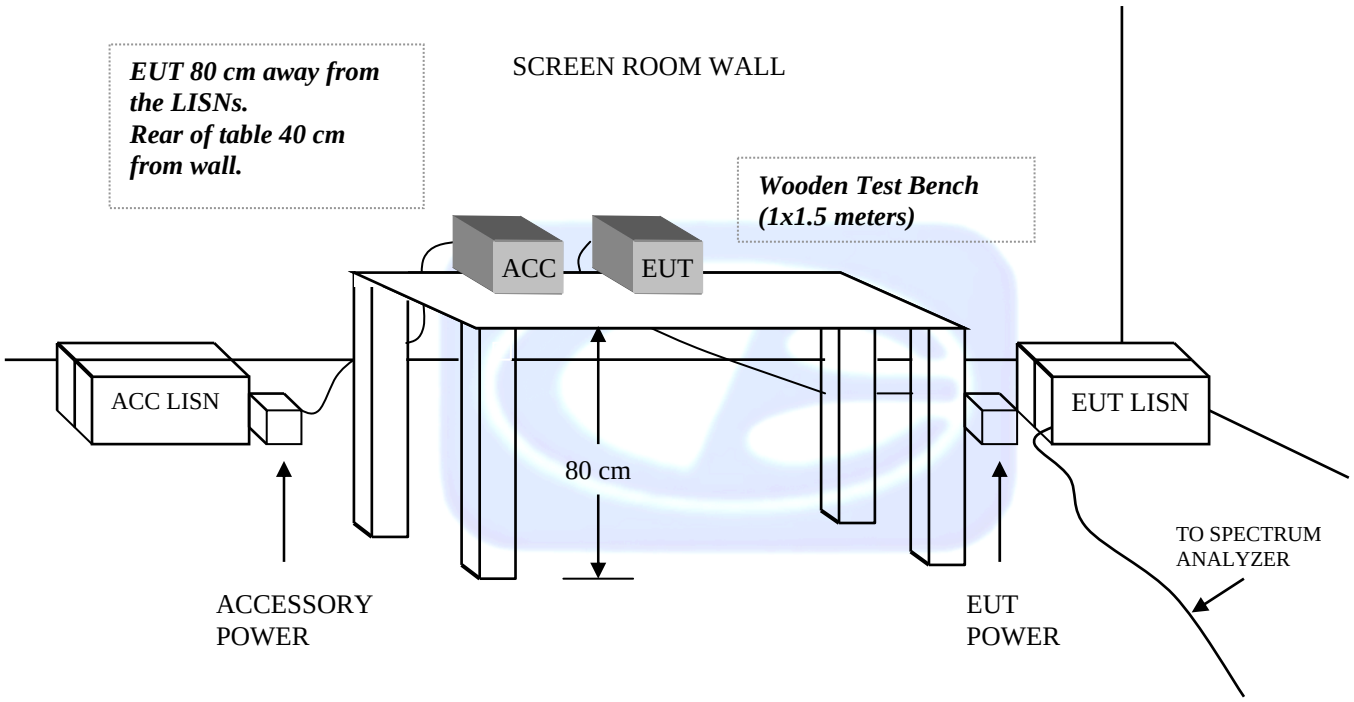
EcoContact and EcoView
Model: PST6250 AND PST6200
S/N: N/A

There were no additional models covered under this report.

# APPENDIX D

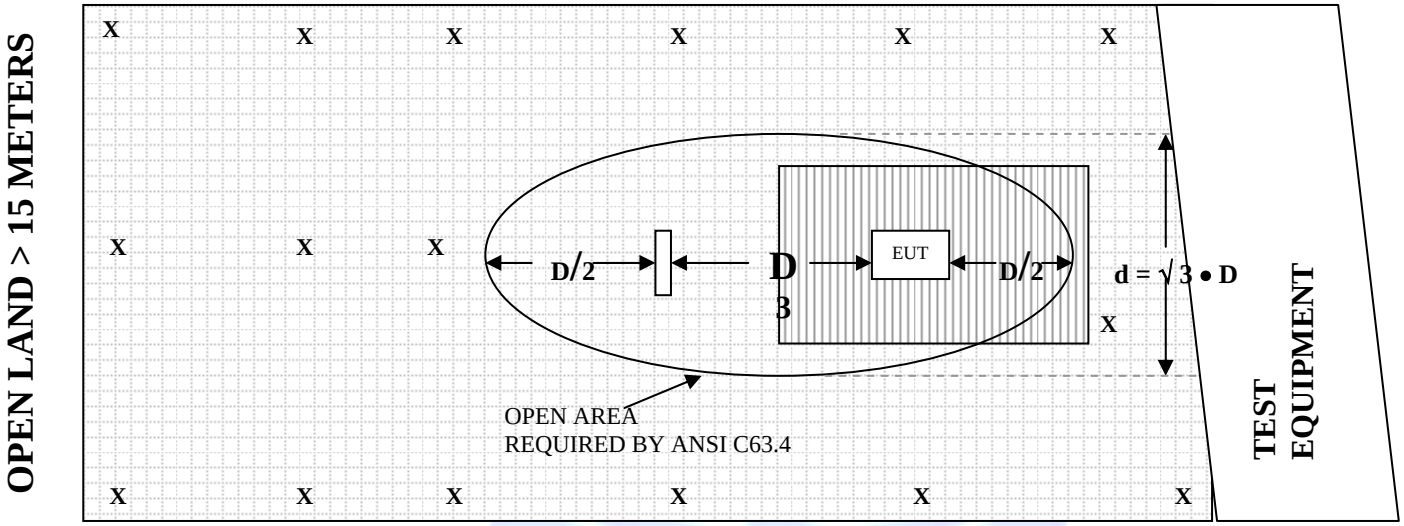
# *DIAGRAMS AND CHARTS*

# *FIGURE 1: CONDUCTED EMISSIONS TEST SETUP*



# *FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED SITE*

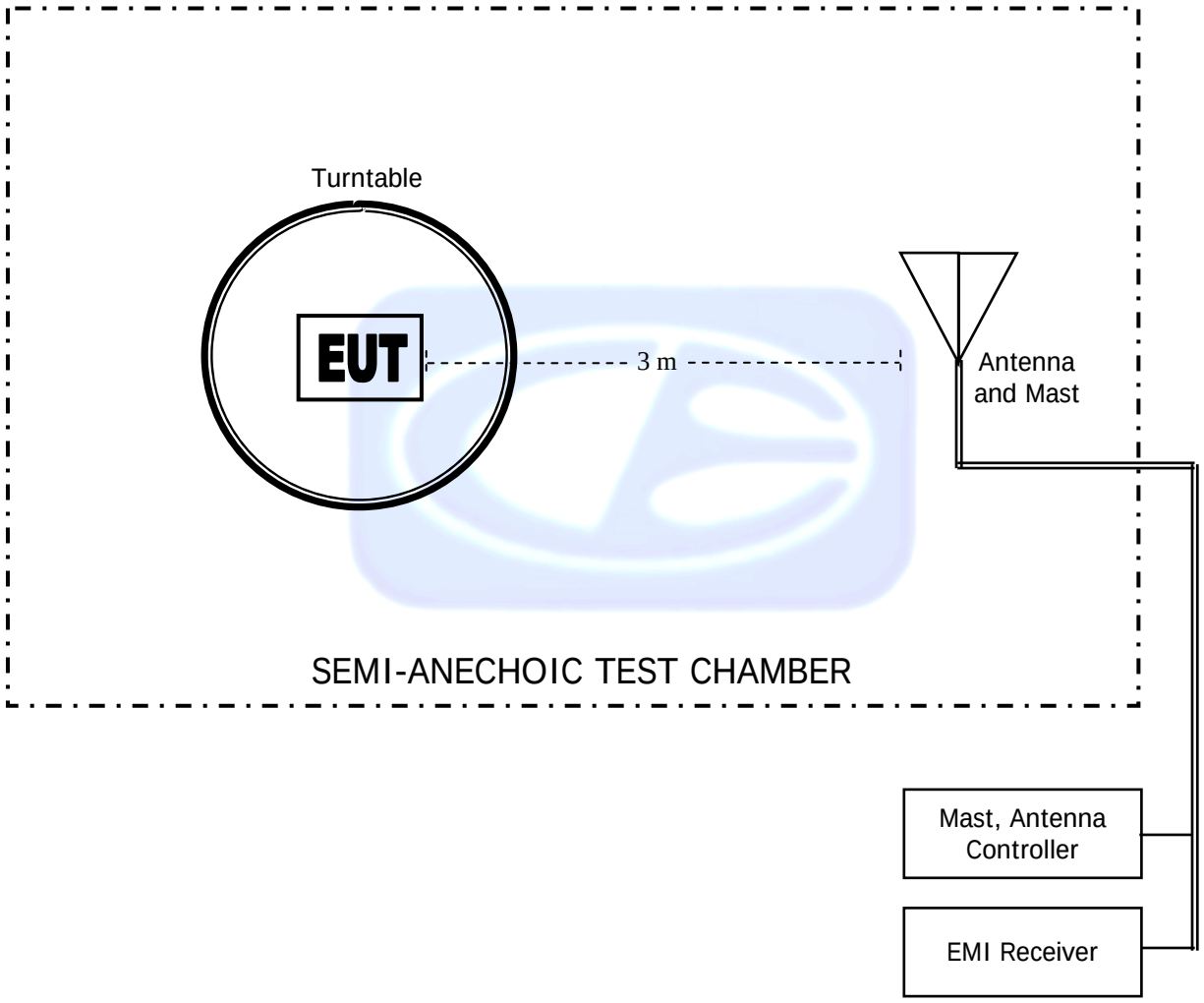
**OPEN LAND > 15 METERS**




**OPEN LAND > 15 METERS**

| | |
|---|---|
| **X** = GROUND RODS | = GROUND SCREEN |
| **D** = TEST DISTANCE (meters) | = WOOD COVER |

# *FIGURE 3: LAYOUT OF THE SEMI-ANECHOIC TEST CHAMBER*



# COM-POWER AL-130

# LOOP ANTENNA

# S/N: 17089

# CALIBRATION DATE: JANUARY 29, 2013

| FREQUENCY (MHz) | MAGNETIC (dB/m) | ELECTRIC (dB/m) |
|---|---|---|
| 0.009 | -42.5 | 9 |
| 0.01 | -42.3 | 9.2 |
| 0.02 | -42.1 | 9.4 |
| 0.03 | -41.4 | 10.1 |
| 0.04 | -41.8 | 9.7 |
| 0.05 | -42.4 | 9.1 |
| 0.06 | -42.3 | 9.2 |
| 0.07 | -42.5 | 9 |
| 0.08 | -42.4 | 9.1 |
| 0.09 | -42.5 | 9 |
| 0.1 | -42.5 | 9 |
| 0.2 | -42.7 | 8.8 |
| 0.3 | -42.6 | 8.9 |
| 0.4 | -42.5 | 9 |
| 0.5 | -42.7 | 8.8 |
| 0.6 | -42.7 | 8.8 |
| 0.7 | -42.5 | 9 |
| 0.8 | -42.3 | 9.2 |
| 0.9 | -42.2 | 9.3 |
| 1 | -42.2 | 9.3 |
| 2 | -41.8 | 9.7 |
| 3 | -41.7 | 9.8 |
| 4 | -41.7 | 9.8 |
| 5 | -41.5 | 10 |
| 6 | -41.6 | 9.9 |
| 7 | -41.4 | 10.1 |
| 8 | -41 | 10.5 |
| 9 | -40.8 | 10.7 |
| 10 | -41.3 | 10.2 |
| 15 | -41.4 | 10.1 |
| 20 | -41.2 | 10.3 |
| 25 | -42.6 | 8.9 |
| 30 | -41.7 | 9.8 |

# COM-POWER AC-220

# COMBILOG ANTENNA

# S/N: 61060

# CALIBRATION DATE: MAY 29, 2013

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|---|---|---|---|
| 30 | 19.40 | 200 | 9.10 |
| 35 | 19.10 | 250 | 11.40 |
| 40 | 19.70 | 300 | 11.90 |
| 45 | 18.00 | 350 | 14.20 |
| 50 | 16.80 | 400 | 15.20 |
| 60 | 12.50 | 450 | 16.50 |
| 70 | 7.30 | 500 | 17.10 |
| 80 | 4.40 | 550 | 16.20 |
| 90 | 8.00 | 600 | 17.70 |
| 100 | 8.80 | 650 | 19.10 |
| 120 | 10.50 | 700 | 20.00 |
| 125 | 10.60 | 750 | 21.50 |
| 140 | 8.60 | 800 | 21.50 |
| 150 | 11.20 | 850 | 21.70 |
| 160 | 8.90 | 900 | 22.70 |
| 175 | 9.60 | 950 | 22.10 |
| 180 | 8.50 | 1000 | 22.90 |

# COM POWER AH-118

# HORN ANTENNA

# S/N: 071175

# CALIBRATION DATE: FEBRUARY 26, 2014

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|---|---|---|---|
| 1.0 | 24.23 | 10.0 | 38.43 |
| 1.5 | 25.84 | 10.5 | 40.19 |
| 2.0 | 28.14 | 11.0 | 40.49 |
| 2.5 | 29.51 | 11.5 | 41.39 |
| 3.0 | 31.20 | 12.0 | 42.02 |
| 3.5 | 32.17 | 12.5 | 43.30 |
| 4.0 | 31.40 | 13.0 | 42.77 |
| 4.5 | 31.86 | 13.5 | 40.18 |
| 5.0 | 34.82 | 14.0 | 42.59 |
| 5.5 | 34.38 | 14.5 | 41.74 |
| 6.0 | 36.31 | 15.0 | 41.84 |
| 6.5 | 34.81 | 15.5 | 38.48 |
| 7.0 | 37.48 | 16.0 | 39.52 |
| 7.5 | 36.98 | 16.5 | 37.85 |
| 8.0 | 36.66 | 17.0 | 41.33 |
| 8.5 | 38.47 | 17.5 | 44.96 |
| 9.0 | 37.22 | 18.0 | 48.50 |
| 9.5 | 37.86 | | |

# COM-POWER PA-118

# PREAMPLIFIER

# S/N: 181656

# CALIBRATION DATE: JANUARY 13, 2014

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|---|---|---|---|
| 1.0 | 24.90 | 6.0 | 25.40 |
| 1.1 | 25.30 | 6.5 | 25.20 |
| 1.2 | 26.00 | 7.0 | 24.40 |
| 1.3 | 26.20 | 7.5 | 24.00 |
| 1.4 | 26.30 | 8.0 | 23.90 |
| 1.5 | 26.40 | 8.5 | 24.50 |
| 1.6 | 26.50 | 9.0 | 25.20 |
| 1.7 | 26.60 | 9.5 | 24.80 |
| 1.8 | 26.50 | 10.0 | 24.90 |
| 1.9 | 26.60 | 11.0 | 25.40 |
| 2.0 | 26.70 | 12.0 | 24.50 |
| 2.5 | 26.90 | 13.0 | 24.30 |
| 3.0 | 27.00 | 14.0 | 25.20 |
| 3.5 | 27.10 | 15.0 | 25.90 |
| 4.0 | 26.60 | 16.0 | 25.60 |
| 4.5 | 26.10 | 17.0 | 23.70 |
| 5.0 | 26.40 | 18.0 | 25.80 |
| 5.5 | 25.80 | | |

# COM-POWER AH826

# HORN ANTENNA

# S/N: 71957

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|---|---|---|---|
| 18.0 | 33.5 | 22.5 | 35.5 |
| 18.5 | 33.5 | 23.0 | 35.9 |
| 19.0 | 34.0 | 23.5 | 35.7 |
| 19.5 | 34.0 | 24.0 | 35.6 |
| 20.0 | 34.3 | 24.5 | 36.0 |
| 20.5 | 34.9 | 25.0 | 36.2 |
| 21.0 | 34.7 | 25.5 | 36.1 |
| 21.5 | 35.0 | 26.0 | 36.2 |
| 22.0 | 35.0 | 26.5 | 35.7 |

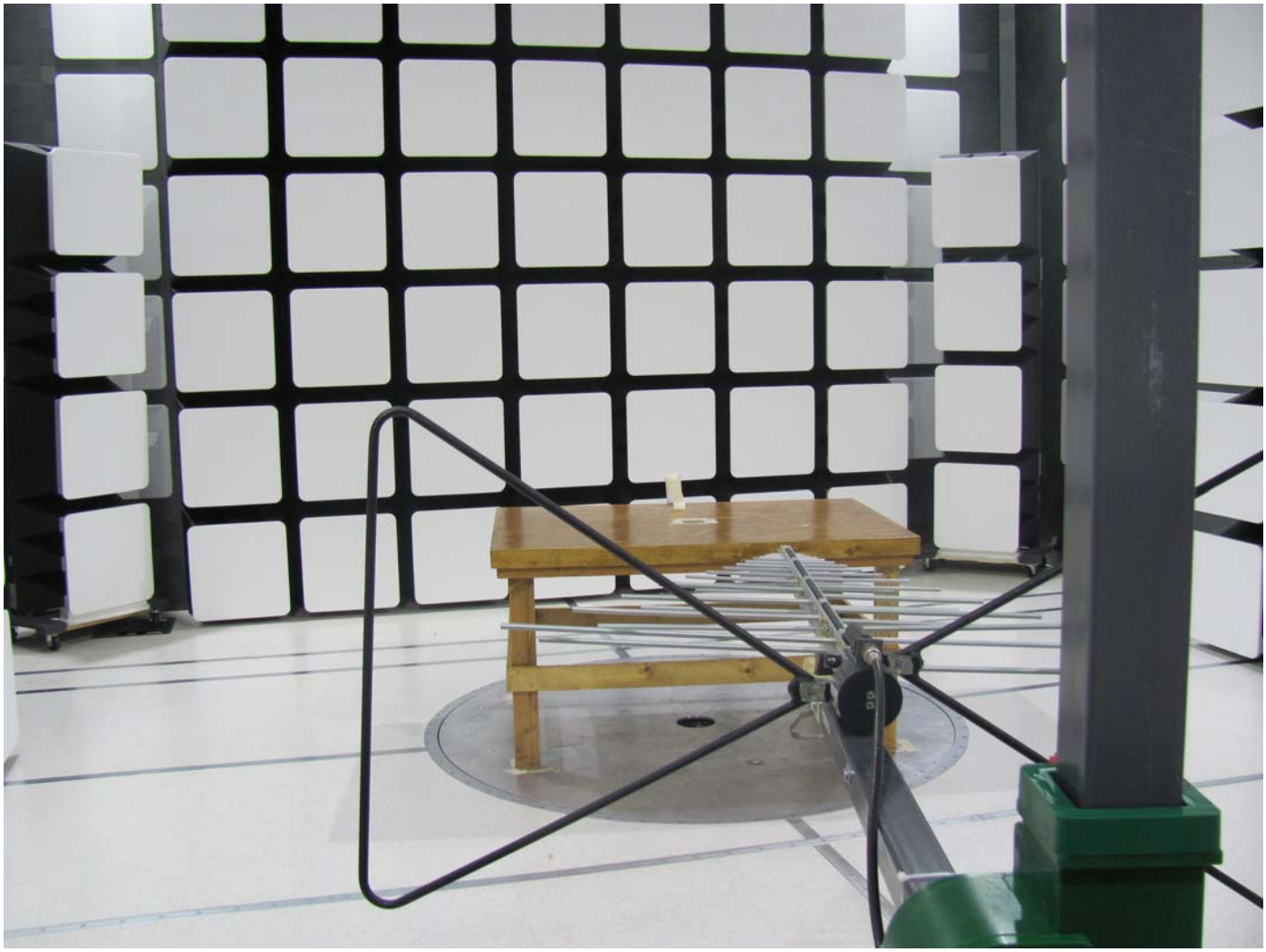
# COM-POWER PA-840

# MICROWAVE PREAMPLIFIER

## S/N: 711013

## CALIBRATION DATE: MAY 17, 2012

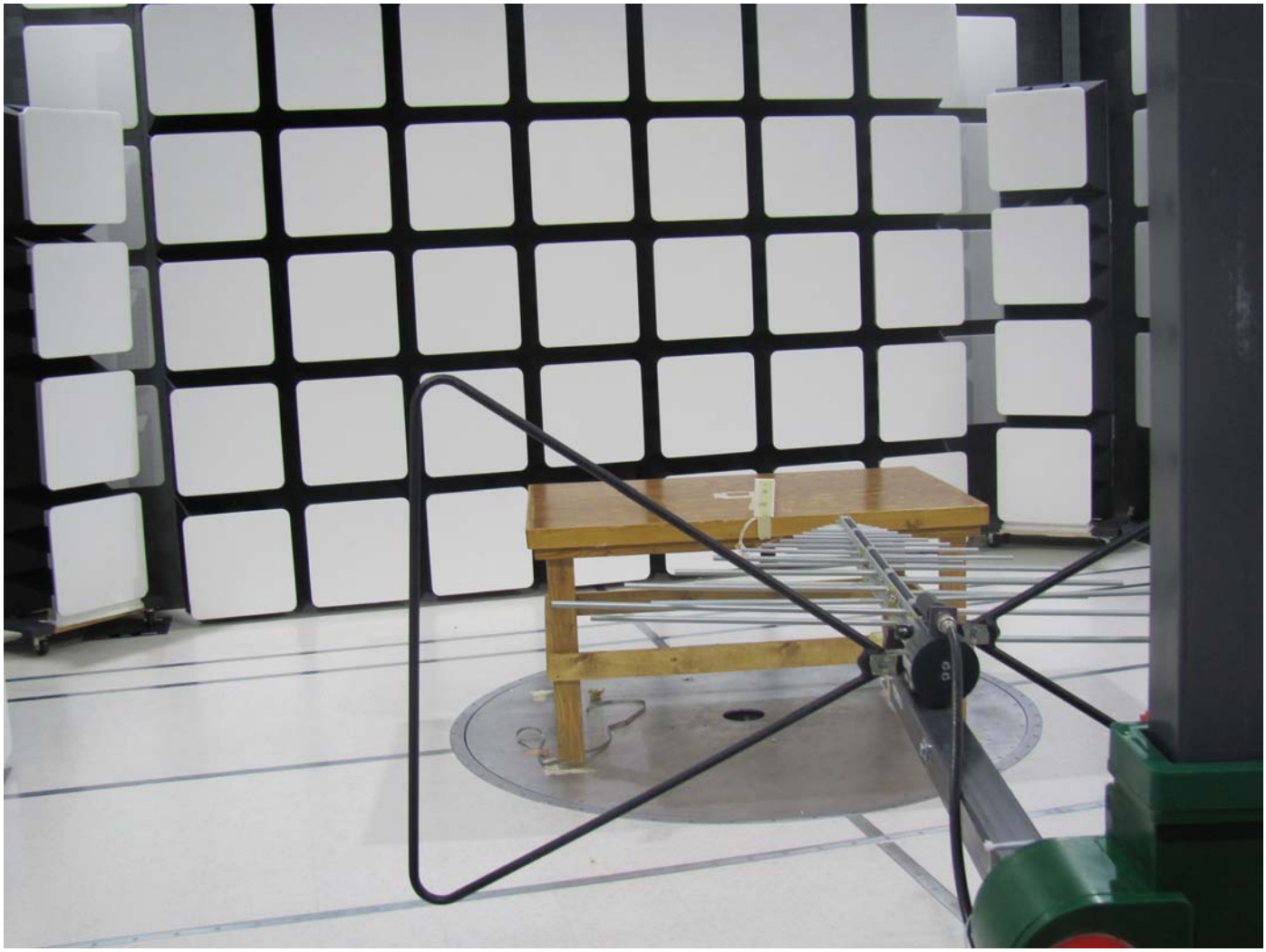
| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|---|---|---|---|
| 18.0 | 25.81 | 31.0 | 25.77 |
| 19.0 | 24.57 | 31.5 | 25.36 |
| 20.0 | 23.46 | 32.0 | 25.15 |
| 21.0 | 22.51 | 32.5 | 25.13 |
| 22.0 | 23.85 | 33.0 | 25.52 |
| 23.0 | 23.31 | 33.5 | 25.24 |
| 24.0 | 24.44 | 34.0 | 25.08 |
| 25.0 | 25.42 | 34.5 | 25.27 |
| 26.0 | 25.71 | 35.0 | 23.99 |
| 26.5 | 25.66 | 35.5 | 24.67 |
| 27.0 | 25.84 | 36.5 | 24.80 |
| 27.5 | 25.29 | 37.0 | 26.27 |
| 28.0 | 25.46 | 37.5 | 24.86 |
| 28.5 | 25.58 | 38.0 | 24.64 |
| 29.0 | 26.16 | 38.5 | 23.46 |
| 29.5 | 26.14 | 39.0 | 21.29 |
| 30.0 | 26.01 | 39.5 | 20.83 |
| 30.5 | 25.67 | 40.0 | 19.96 |



**FRONT VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – BATTERY POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**REAR VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – BATTERY POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**FRONT VIEW**

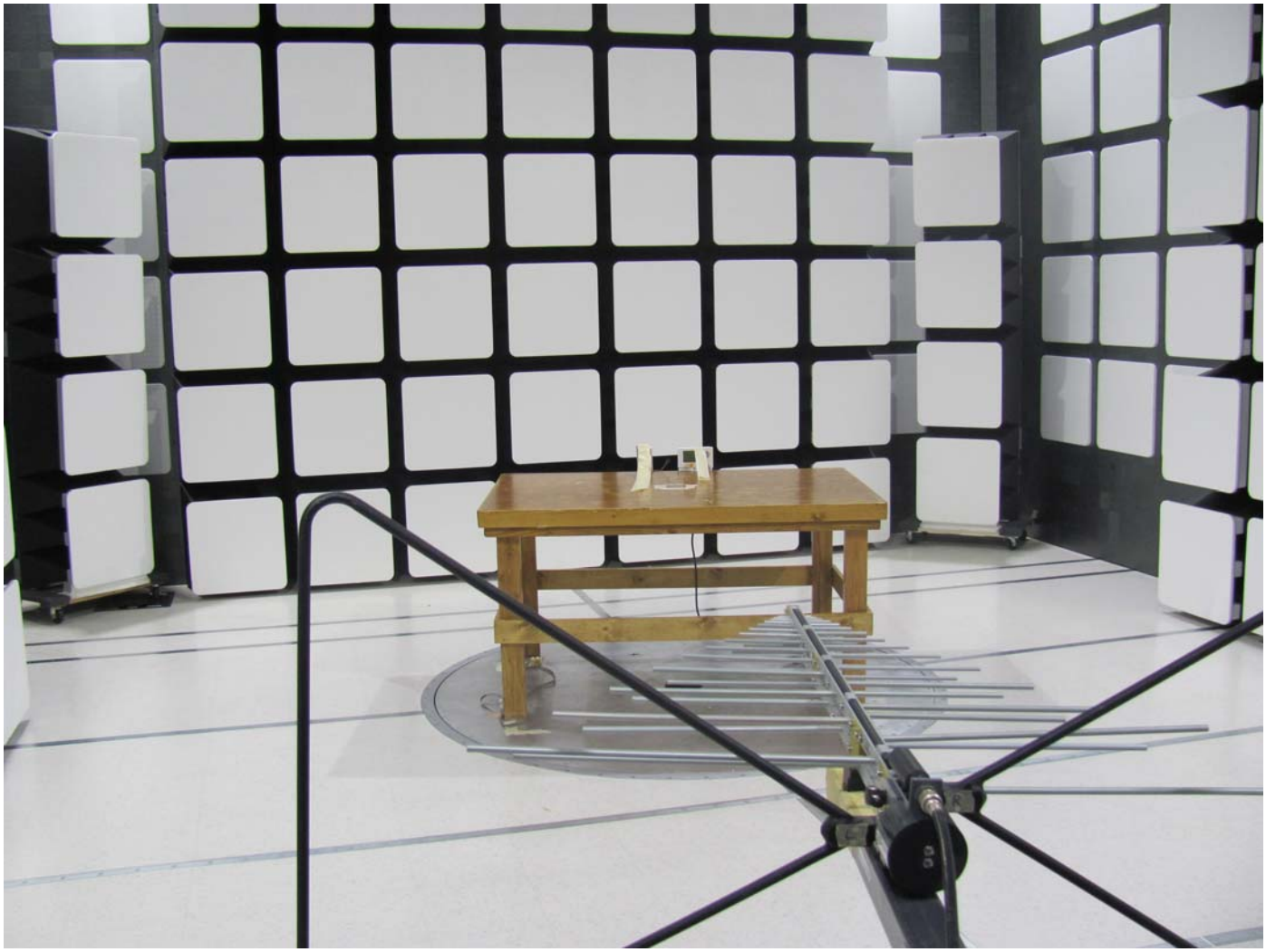
TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – BATTERY POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**REAR VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – BATTERY POWER

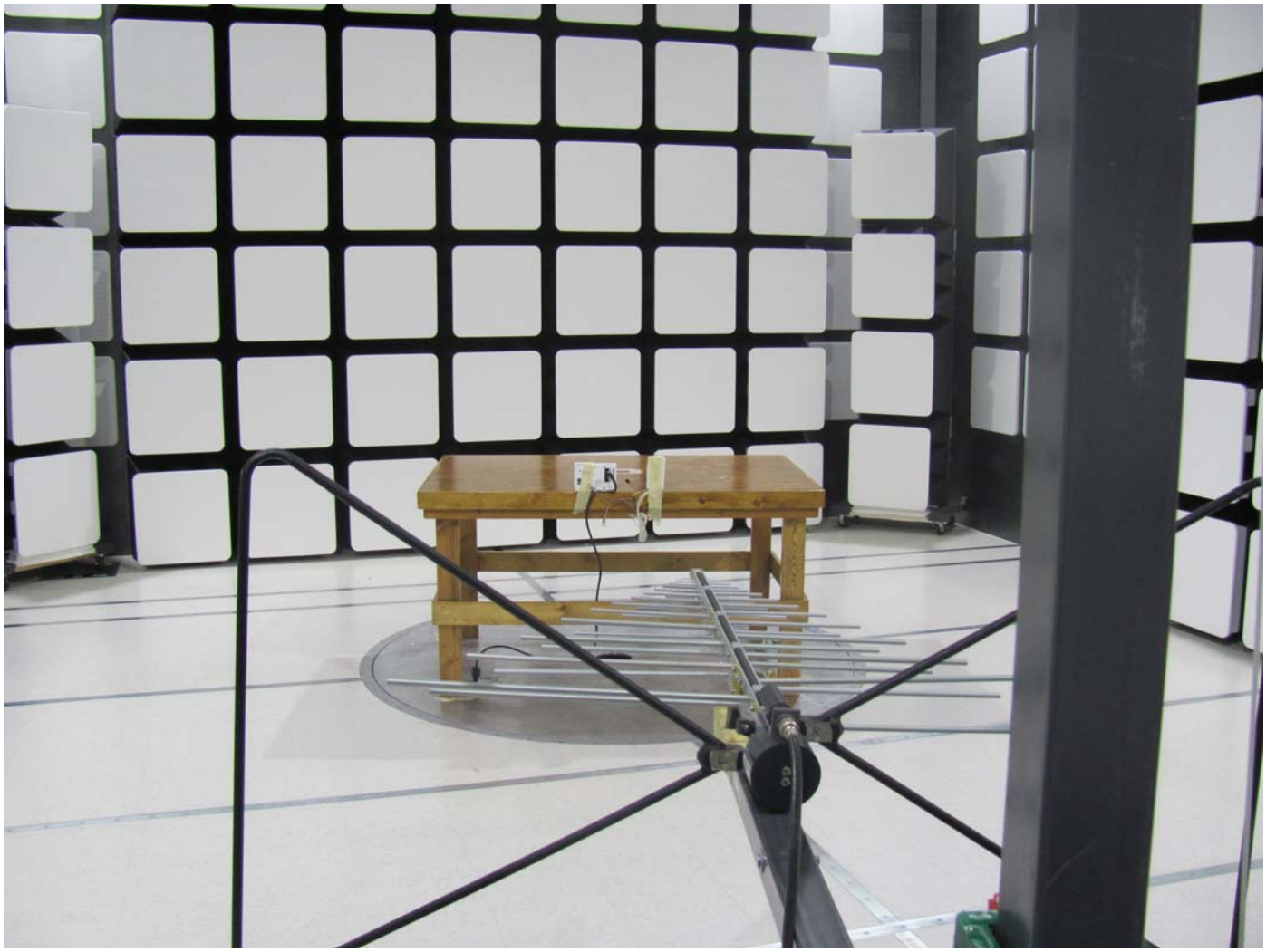
## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**FRONT VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**REAR VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**FRONT VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**REAR VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**FRONT VIEW**

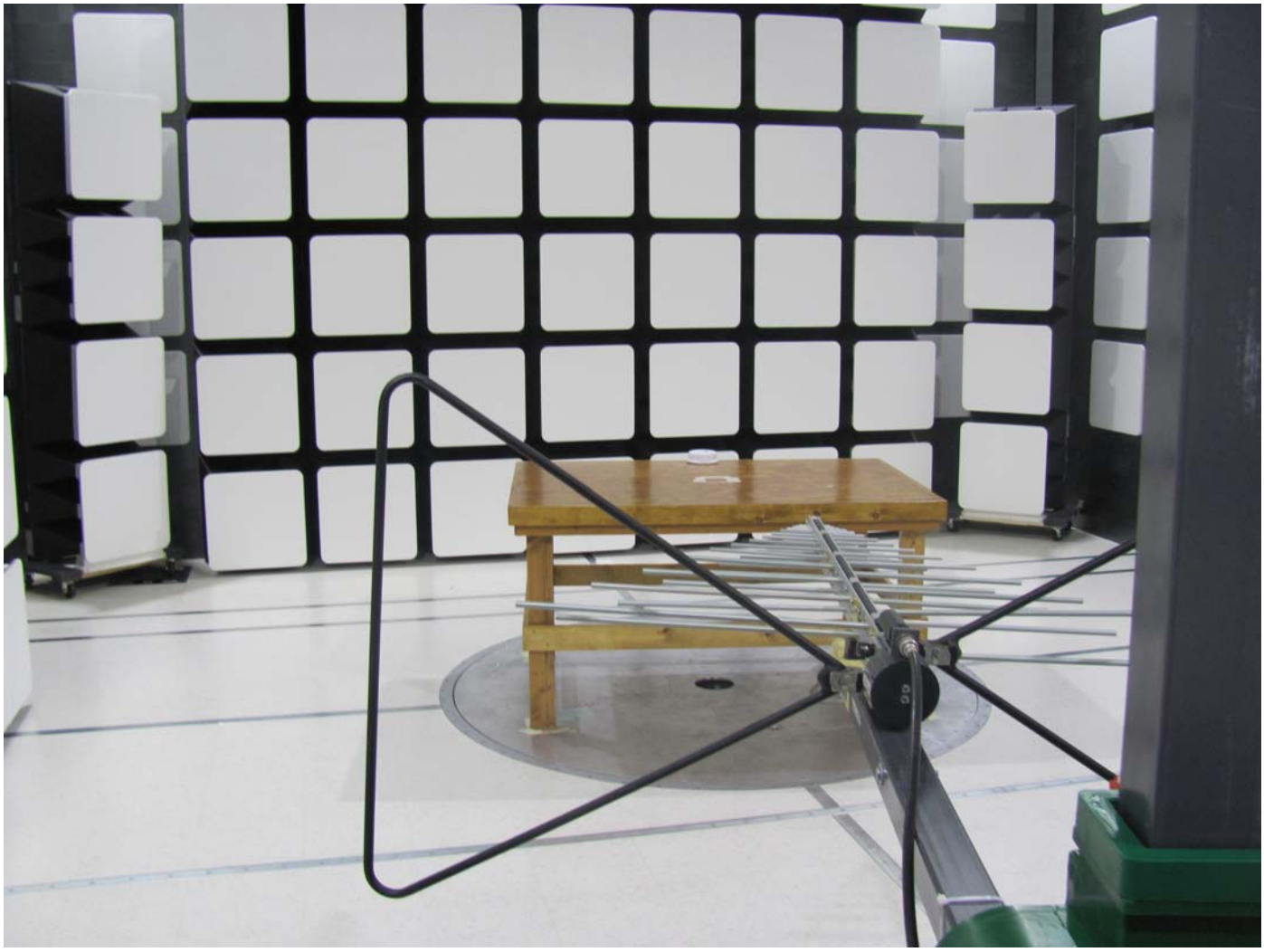
TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – CONDUCTED EMISSIONS – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**REAR VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6250
FCC SUBPART B AND C – CONDCUTED EMISSIONS – THERMOSTAT POWER

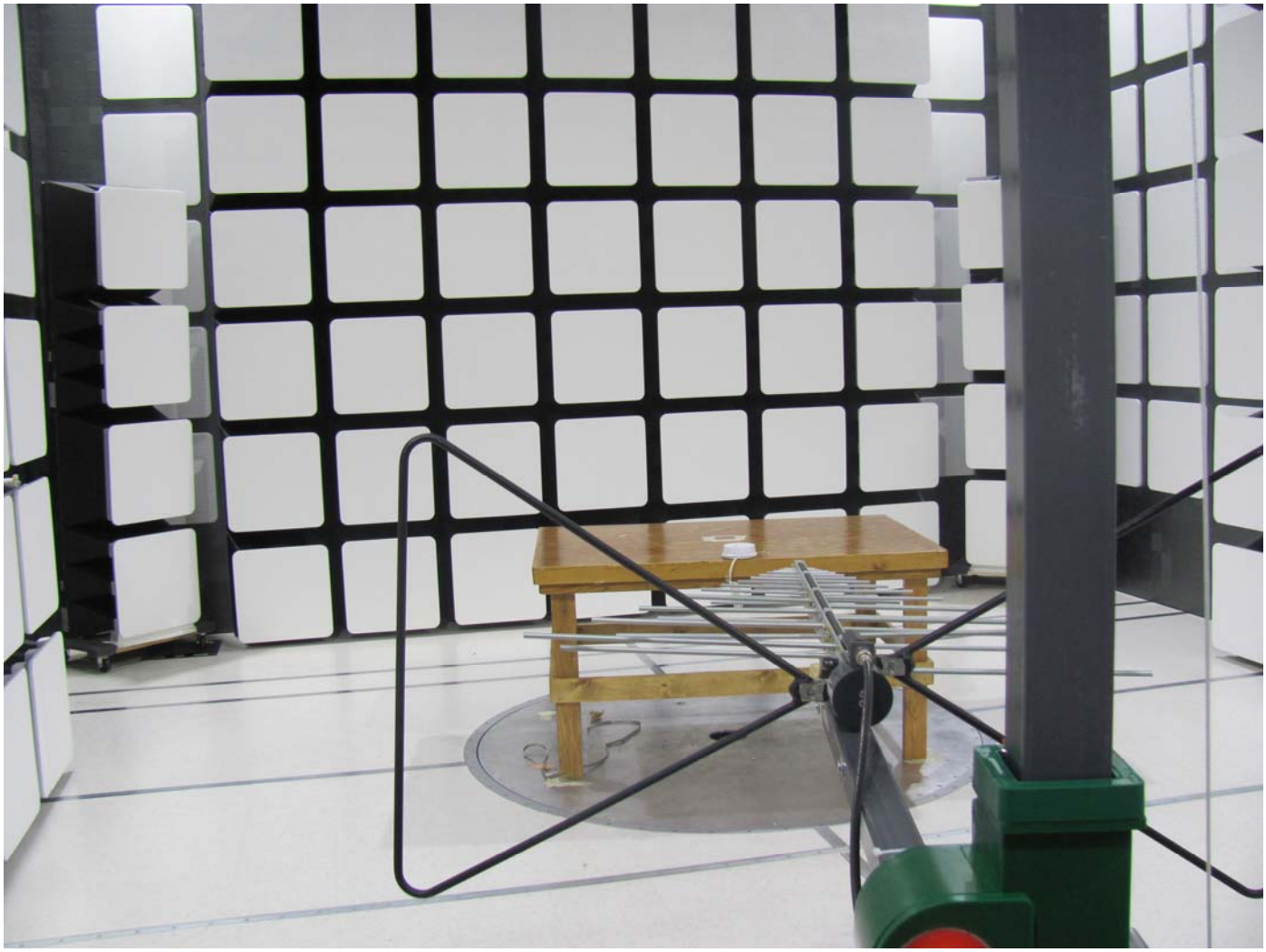
## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**FRONT VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – BATTERY POWER

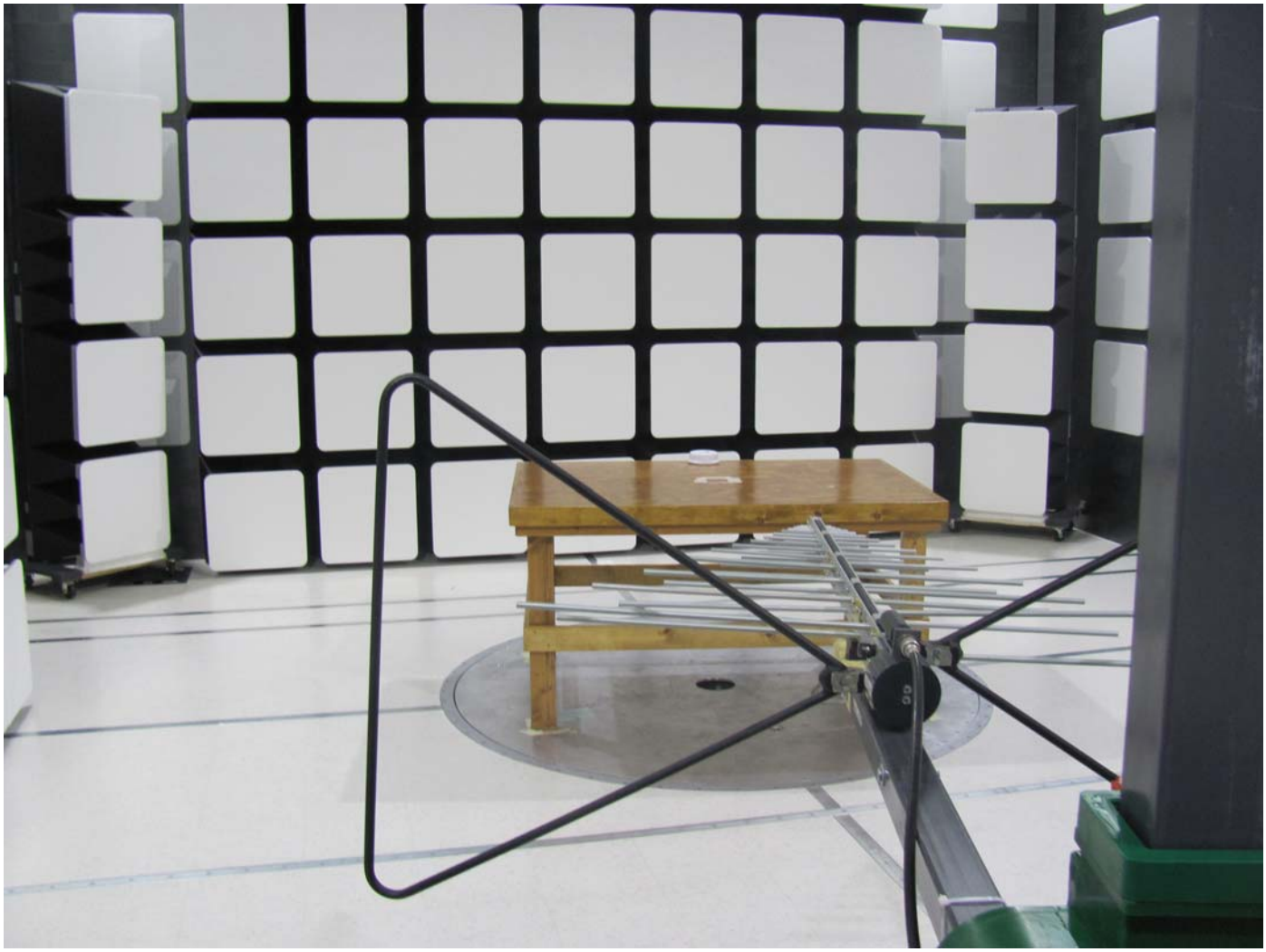
## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**REAR VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – BATTERY POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**FRONT VIEW**

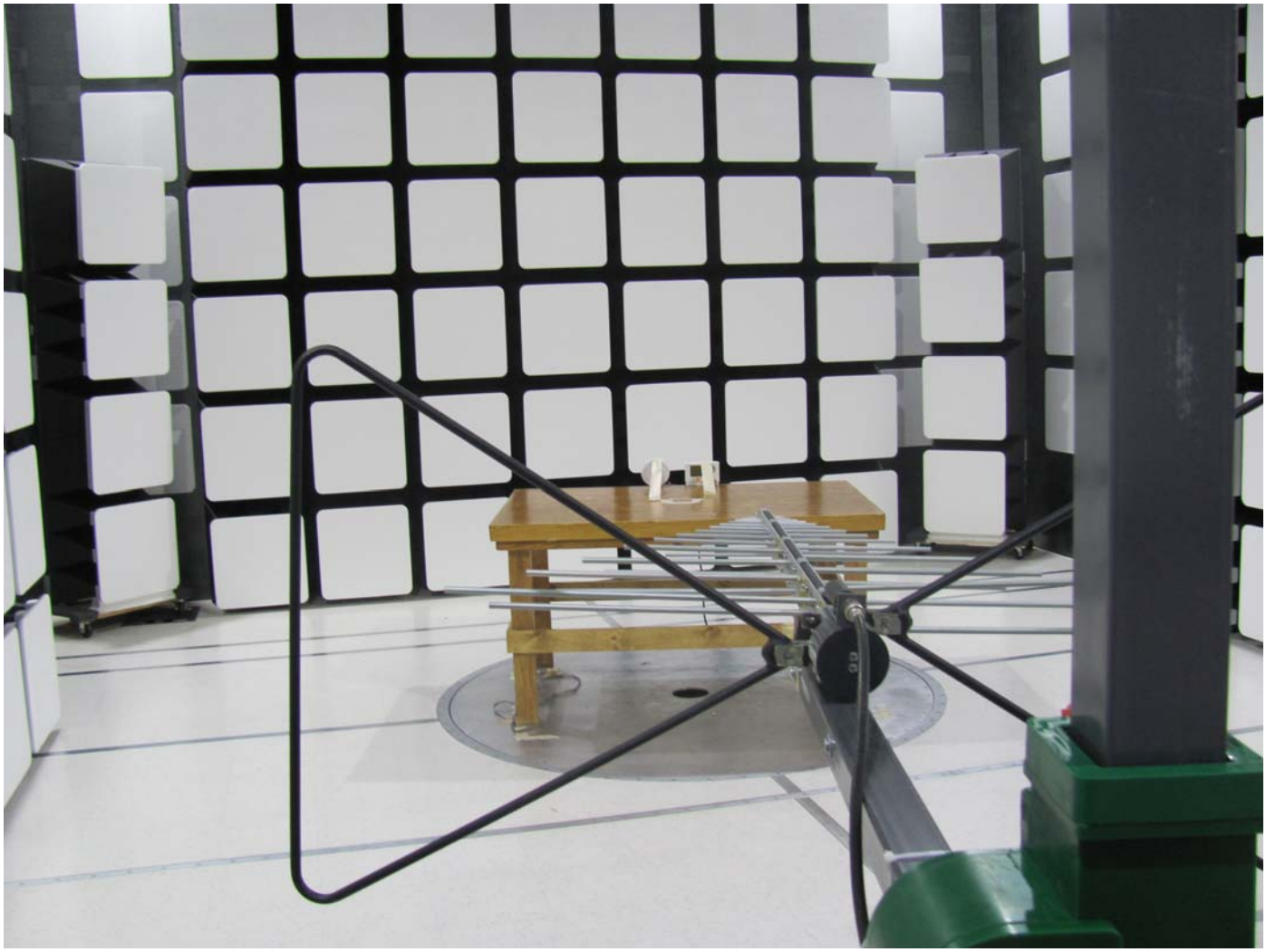
TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – BATTERY POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**REAR VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – BATTERY POWER

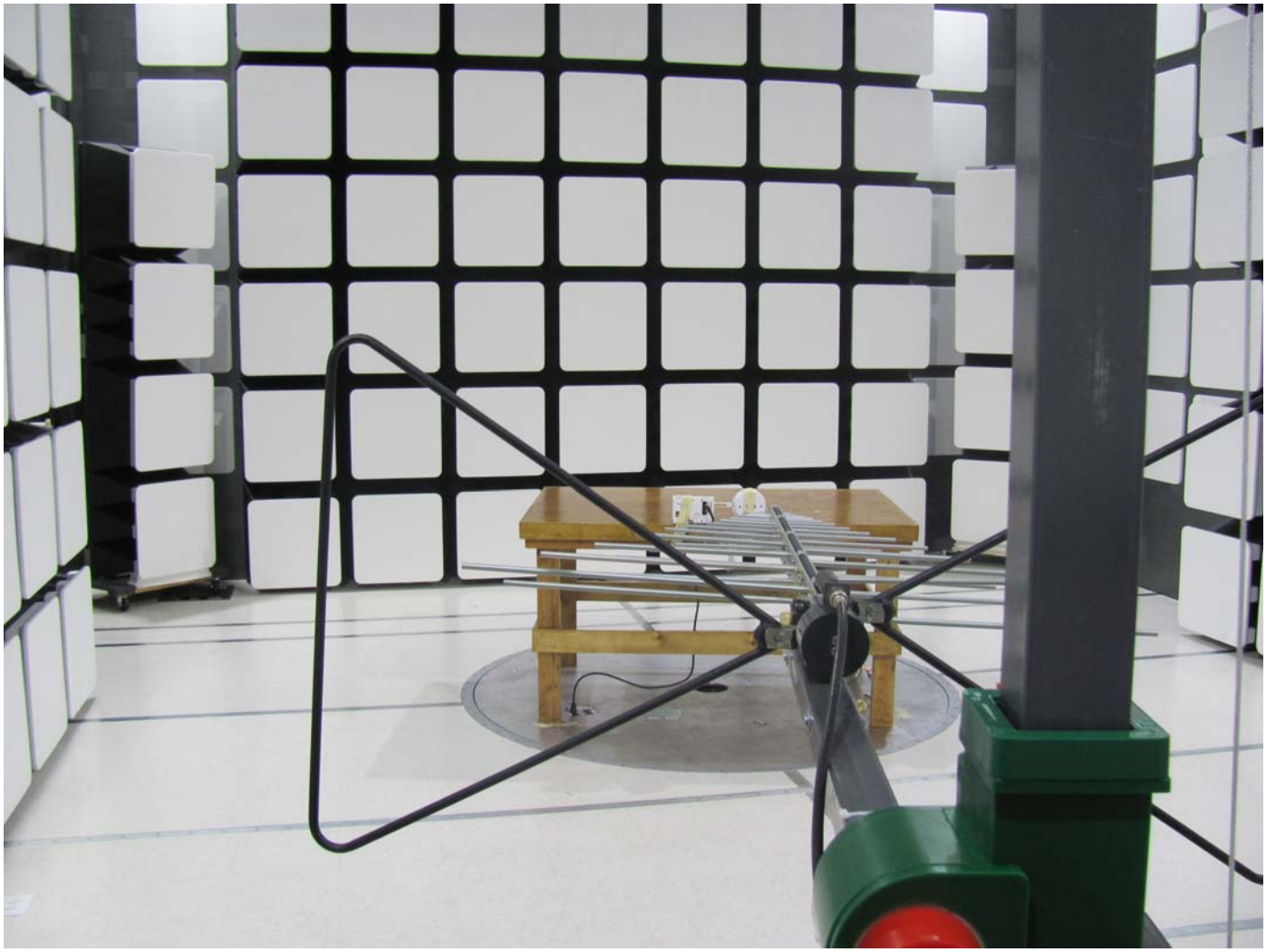
## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**FRONT VIEW**

TELKONET, INC.
ECOCONTACT
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**REAR VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**FRONT VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**REAR VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**FRONT VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – CONDUCTED EMISSIONS – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

**REAR VIEW**

TELKONET, INC.
ECOVIEW
MODEL: PST6200
FCC SUBPART B AND C – CONDCUTED EMISSIONS – THERMOSTAT POWER

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

# APPENDIX E

# *DATA SHEETS*

# *RADIATED EMISSIONS*

# *DATA SHEETS*

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 91.81 | V | 114 | -22.19 | Peak | 1.25 | 155 | |
| 2405 | 71.81 | V | 94 | -22.19 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 49.81 | V | 74 | -24.19 | Peak | 1.25 | 155 | |
| 4810 | 29.81 | V | 54 | -24.19 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7215 | 49.62 | V | 74 | -24.38 | Peak | 1.35 | 165 | |
| 7215 | 29.62 | V | 54 | -24.38 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 92.51 | H | 114 | -21.49 | Peak | 1.25 | 155 | |
| 2405 | 72.51 | H | 94 | -21.49 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 50.73 | H | 74 | -23.27 | Peak | 1.25 | 155 | |
| 4810 | 30.73 | H | 54 | -23.27 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7215 | 47.47 | H | 74 | -26.53 | Peak | 1.25 | 155 | |
| 7215 | 27.47 | H | 54 | -26.53 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**

Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 93.53 | V | 114 | -20.47 | Peak | 1.25 | 155 | |
| 2405 | 73.53 | V | 94 | -20.47 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 49.68 | V | 74 | -24.32 | Peak | 1.35 | 165 | |
| 4810 | 29.68 | V | 54 | -24.32 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7215 | 48.22 | V | 74 | -25.78 | Peak | 1.45 | 175 | |
| 7215 | 28.22 | V | 54 | -25.78 | Avg | 1.45 | 175 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 93.35 | H | 114 | -20.65 | Peak | 1.25 | 155 | |
| 2405 | 73.35 | H | 94 | -20.65 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 50.93 | H | 74 | -23.07 | Peak | 1.35 | 165 | |
| 4810 | 30.93 | H | 54 | -23.07 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7215 | 49.62 | H | 74 | -24.38 | Peak | 1.45 | 175 | |
| 7215 | 29.62 | H | 54 | -24.38 | Avg | 1.45 | 175 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 93.12 | V | 114 | -20.88 | Peak | 1.25 | 155 | |
| 2405 | 73.12 | V | 94 | -20.88 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 52.21 | V | 74 | -21.79 | Peak | 1.35 | 165 | |
| 4810 | 32.21 | V | 54 | -21.79 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7215 | 49.24 | V | 74 | -24.76 | Peak | 1.25 | 175 | |
| 7215 | 29.24 | V | 54 | -24.76 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 96.89 | H | 114 | -17.11 | Peak | 1.25 | 155 | |
| 2405 | 76.89 | H | 94 | -17.11 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 51.44 | H | 74 | -22.56 | Peak | 1.35 | 165 | |
| 4810 | 31.44 | H | 54 | -22.56 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7215 | 49.16 | H | 74 | -24.84 | Peak | 1.25 | 175 | |
| 7215 | 29.16 | H | 54 | -24.84 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 89.39 | V | 114 | -24.61 | Peak | 1.25 | 155 | |
| 2445 | 69.39 | V | 94 | -24.61 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 49.89 | V | 74 | -24.11 | Peak | 1.35 | 165 | |
| 4890 | 29.89 | V | 54 | -24.11 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 49.04 | V | 74 | -24.96 | Peak | 1.25 | 175 | |
| 7335 | 29.04 | V | 54 | -24.96 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**

Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 92.92 | H | 114 | -21.08 | Peak | 1.25 | 155 | |
| 2445 | 72.92 | H | 94 | -21.08 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 52.44 | H | 74 | -21.56 | Peak | 1.35 | 165 | |
| 4890 | 32.44 | H | 54 | -21.56 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 48.64 | H | 74 | -25.36 | Peak | 1.45 | 175 | |
| 7335 | 28.64 | H | 54 | -25.36 | Avg | 1.45 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 93.32 | V | 114 | -20.68 | Peak | 1.25 | 155 | |
| 2445 | 73.32 | V | 94 | -20.68 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 50.47 | V | 74 | -23.53 | Peak | 1.35 | 165 | |
| 4890 | 30.47 | V | 54 | -23.53 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 48.79 | V | 74 | -25.21 | Peak | 1.25 | 155 | |
| 7335 | 28.79 | V | 54 | -25.21 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 94.01 | H | 114 | -19.99 | Peak | 1.25 | 155 | |
| 2445 | 74.01 | H | 94 | -19.99 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 50.01 | H | 74 | -23.99 | Peak | 1.35 | 165 | |
| 4890 | 30.01 | H | 54 | -23.99 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 49.21 | H | 74 | -24.79 | Peak | 1.45 | 175 | |
| 7335 | 29.21 | H | 54 | -24.79 | Avg | 1.45 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 90.87 | V | 114 | -23.13 | Peak | 1.25 | 135 | |
| 2445 | 70.87 | V | 94 | -23.13 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4890 | 51.56 | V | 74 | -22.44 | Peak | 1.25 | 155 | |
| 4890 | 31.56 | V | 54 | -22.44 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7335 | 49.75 | V | 74 | -24.25 | Peak | 1.35 | 165 | |
| 7335 | 29.75 | V | 54 | -24.25 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 92.83 | H | 114 | -21.17 | Peak | 1.25 | 155 | |
| 2445 | 72.83 | H | 94 | -21.17 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 51.14 | H | 74 | -22.86 | Peak | 1.25 | 165 | |
| 4890 | 31.14 | H | 54 | -22.86 | Avg | 1.25 | 165 | |
| | | | | | | | | |
| 7335 | 48.95 | H | 74 | -25.05 | Peak | 1.25 | 175 | |
| 7335 | 28.95 | H | 54 | -25.05 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 93.66 | V | 114 | -20.34 | Peak | 1 | 225 | |
| 2480 | 73.66 | V | 94 | -20.34 | Avg | 1 | 225 | |
| | | | | | | | | |
| 4960 | 51.64 | V | 74 | -22.36 | Peak | 1.25 | 155 | |
| 4960 | 31.64 | V | 54 | -22.36 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7440 | 50.12 | V | 74 | -23.88 | Peak | 1.25 | 155 | |
| 7440 | 30.12 | V | 54 | -23.88 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 94.05 | H | 114 | -19.95 | Peak | 1.25 | 155 | |
| 2480 | 74.05 | H | 94 | -19.95 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 51.02 | H | 74 | -22.98 | Peak | 1.25 | 135 | |
| 4960 | 31.02 | H | 54 | -22.98 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 7440 | 49.64 | H | 74 | -24.36 | Peak | 1.25 | 155 | |
| 7440 | 29.64 | H | 54 | -24.36 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 91.95 | V | 114 | -22.05 | Peak | 1.25 | 180 | |
| 2480 | 71.95 | V | 94 | -22.05 | Avg | 1.25 | 180 | |
| | | | | | | | | |
| 4960 | 47.45 | V | 74 | -26.55 | Peak | 2.25 | 225 | |
| 4960 | 27.45 | V | 54 | -26.55 | Avg | 2.25 | 225 | |
| | | | | | | | | |
| 7440 | 52.26 | V | 74 | -21.74 | Peak | 2.25 | 0 | |
| 7440 | 32.26 | V | 54 | -21.74 | Avg | 2.25 | 0 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 95.52 | H | 114 | -18.48 | Peak | 1.25 | 225 | |
| 2480 | 75.52 | H | 94 | -18.48 | Avg | 1.25 | 225 | |
| | | | | | | | | |
| 4960 | 49.52 | H | 74 | -24.48 | Peak | 1.25 | 225 | |
| 4960 | 29.52 | H | 54 | -24.48 | Avg | 1.25 | 225 | |
| | | | | | | | | |
| 7440 | 49.01 | H | 74 | -24.99 | Peak | 1 | 135 | |
| 7440 | 29.01 | H | 54 | -24.99 | Avg | 1 | 135 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 95.83 | V | 114 | -18.17 | Peak | 1.25 | 155 | |
| 2480 | 75.83 | V | 94 | -18.17 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 46.24 | V | 74 | -27.76 | Peak | 1.5 | 225 | |
| 4960 | 26.24 | V | 54 | -27.76 | Avg | 1.5 | 225 | |
| | | | | | | | | |
| 7440 | 50.14 | V | 74 | -23.86 | Peak | 1.5 | 225 | |
| 7440 | 30.14 | V | 54 | -23.86 | Avg | 1.5 | 225 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/23/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 95.65 | H | 114 | -18.35 | Peak | 1.25 | 155 | |
| 2480 | 75.65 | H | 94 | -18.35 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 46.24 | H | 74 | -27.76 | Peak | 1 | 150 | |
| 4960 | 26.24 | H | 54 | -27.76 | Avg | 1 | 150 | |
| | | | | | | | | |
| 7440 | 47.25 | H | 74 | -26.75 | Peak | 1 | 150 | |
| 7440 | 27.25 | H | 54 | -26.75 | Avg | 1 | 150 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249 and FCC Class B**

Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/24/2014 & 04/29/2014
Labs: B and D
Tested By: Kyle Fujimoto

**Radiated Emissions 10 kHz to 30 MHz and 1 GHz to 25 GHz - Battery Power**

| Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | Tested in the X-Axis, |
| | | | | | | | | Y-Axis, and Z-Axis |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 94.13 | V | 114 | -19.87 | Peak | 1.25 | 45 | |
| 2405 | 74.13 | V | 94 | -19.87 | Avg | 1.25 | 45 | |
| | | | | | | | | |
| 4810 | 47.38 | V | 74 | -26.62 | Peak | 1.25 | 45 | |
| 4810 | 27.38 | V | 54 | -26.62 | Avg | 1.25 | 45 | |
| | | | | | | | | |
| 7215 | 49.25 | V | 74 | -24.75 | Peak | 1.15 | 50 | |
| 7215 | 29.25 | V | 54 | -24.75 | Avg | 1.15 | 50 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 93.35 | H | 114 | -20.65 | Peak | 1.25 | 180 | |
| 2405 | 73.35 | H | 94 | -20.65 | Avg | 1.25 | 180 | |
| | | | | | | | | |
| 4810 | 49.15 | H | 74 | -24.85 | Peak | 1.25 | 155 | |
| 4810 | 29.15 | H | 54 | -24.85 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7215 | 50.72 | H | 74 | -23.28 | Peak | 1.35 | 165 | |
| 7215 | 30.72 | H | 54 | -23.28 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 96.21 | V | 114 | -17.79 | Peak | 1.25 | 180 | |
| 2405 | 76.21 | V | 94 | -17.79 | Avg | 1.25 | 180 | |
| | | | | | | | | |
| 4810 | 48.11 | V | 74 | -25.89 | Peak | 1.35 | 135 | |
| 4810 | 28.11 | V | 54 | -25.89 | Avg | 1.35 | 135 | |
| | | | | | | | | |
| 7215 | 49.59 | V | 74 | -24.41 | Peak | 1.25 | 145 | |
| 7215 | 29.59 | V | 54 | -24.41 | Avg | 1.25 | 145 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 96.37 | H | 114 | -17.63 | Peak | 1.25 | 155 | |
| 2405 | 76.37 | H | 94 | -17.63 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 51.34 | H | 74 | -22.66 | Peak | 1.25 | 135 | |
| 4810 | 31.34 | H | 54 | -22.66 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 7215 | 47.87 | H | 74 | -26.13 | Peak | 1.25 | 155 | |
| 7215 | 27.87 | H | 54 | -26.13 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 95.51 | V | 114 | -18.49 | Peak | 1.25 | 155 | |
| 2405 | 75.51 | V | 94 | -18.49 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 48.25 | V | 74 | -25.75 | Peak | 1.35 | 165 | |
| 4810 | 28.25 | V | 54 | -25.75 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7215 | 48.83 | V | 74 | -25.17 | Peak | 1.35 | 175 | |
| 7215 | 28.83 | V | 54 | -25.17 | Avg | 1.35 | 175 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 96.38 | H | 114 | -17.62 | Peak | 1.25 | 225 | |
| 2405 | 76.38 | H | 94 | -17.62 | Avg | 1.25 | 225 | |
| | | | | | | | | |
| 4810 | 47.56 | H | 74 | -26.44 | Peak | 1.25 | 135 | |
| 4810 | 27.56 | H | 54 | -26.44 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 7215 | 51.13 | H | 74 | -22.87 | Peak | 1.25 | 145 | |
| 7215 | 31.13 | H | 54 | -22.87 | Avg | 1.25 | 145 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 88.15 | V | 114 | -25.85 | Peak | 1.25 | 155 | |
| 2445 | 68.15 | V | 94 | -25.85 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 48.08 | V | 74 | -25.92 | Peak | 1.35 | 165 | |
| 4890 | 28.08 | V | 54 | -25.92 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 57.23 | V | 74 | -16.77 | Peak | 1.45 | 175 | |
| 7335 | 37.23 | V | 54 | -16.77 | Avg | 1.45 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 92.42 | H | 114 | -21.58 | Peak | 1.25 | 155 | |
| 2445 | 72.42 | H | 94 | -21.58 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 53.43 | H | 74 | -20.57 | Peak | 1.35 | 165 | |
| 4890 | 33.43 | H | 54 | -20.57 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 48.43 | H | 74 | -25.57 | Peak | 1.45 | 175 | |
| 7335 | 28.43 | H | 54 | -25.57 | Avg | 1.45 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 95.18 | V | 114 | -18.82 | Peak | 1.25 | 45 | |
| 2445 | 75.18 | V | 94 | -18.82 | Avg | 1.25 | 45 | |
| | | | | | | | | |
| 4890 | 46.86 | V | 74 | -27.14 | Peak | 1.35 | 135 | |
| 4890 | 26.86 | V | 54 | -27.14 | Avg | 1.35 | 135 | |
| | | | | | | | | |
| 7335 | 48.89 | V | 74 | -25.11 | Peak | 1.45 | 125 | |
| 7335 | 28.89 | V | 54 | -25.11 | Avg | 1.45 | 125 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 94.01 | H | 114 | -19.99 | Peak | 1.25 | 155 | |
| 2445 | 74.01 | H | 94 | -19.99 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 51.11 | H | 74 | -22.89 | Peak | 1.25 | 315 | |
| 4890 | 31.11 | H | 54 | -22.89 | Avg | 1.25 | 315 | |
| | | | | | | | | |
| 7335 | 49.11 | H | 74 | -24.89 | Peak | 1.35 | 325 | |
| 7335 | 29.11 | H | 54 | -24.89 | Avg | 1.35 | 325 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 95.02 | V | 114 | -18.98 | Peak | 1.25 | 155 | |
| 2445 | 75.02 | V | 94 | -18.98 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 43.29 | V | 74 | -30.71 | Peak | 1.35 | 165 | |
| 4890 | 23.29 | V | 54 | -30.71 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 49.13 | V | 74 | -24.87 | Peak | 1.25 | 175 | |
| 7335 | 29.13 | V | 54 | -24.87 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 95.92 | H | 114 | -18.08 | Peak | 1.25 | 155 | |
| 2445 | 75.92 | H | 94 | -18.08 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 51.21 | H | 74 | -22.79 | Peak | 1.25 | 165 | |
| 4890 | 31.21 | H | 54 | -22.79 | Avg | 1.25 | 165 | |
| | | | | | | | | |
| 7335 | 49.94 | H | 74 | -24.06 | Peak | 1.35 | 175 | |
| 7335 | 29.94 | H | 54 | -24.06 | Avg | 1.35 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 90.63 | V | 114 | -23.37 | Peak | 1.25 | 225 | |
| 2480 | 70.63 | V | 94 | -23.37 | Avg | 1.25 | 225 | |
| | | | | | | | | |
| 4960 | 53.31 | V | 74 | -20.69 | Peak | 1.25 | 155 | |
| 4960 | 33.31 | V | 54 | -20.69 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7440 | 49.73 | V | 74 | -24.27 | Peak | 1.25 | 155 | |
| 7440 | 29.73 | V | 54 | -24.27 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 92.68 | H | 114 | -21.32 | Peak | 1.25 | 315 | |
| 2480 | 72.68 | H | 94 | -21.32 | Avg | 1.25 | 315 | |
| | | | | | | | | |
| 4960 | 50.66 | H | 74 | -23.34 | Peak | 1.25 | 45 | |
| 4960 | 30.66 | H | 54 | -23.34 | Avg | 1.25 | 45 | |
| | | | | | | | | |
| 7440 | 50.27 | H | 74 | -23.73 | Peak | 1.25 | 155 | |
| 7440 | 30.27 | H | 54 | -23.73 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 96.28 | V | 114 | -17.72 | Peak | 1.25 | 180 | |
| 2480 | 76.28 | V | 94 | -17.72 | Avg | 1.25 | 180 | |
| | | | | | | | | |
| 4960 | 51.01 | V | 74 | -22.99 | Peak | 1.35 | 225 | |
| 4960 | 31.01 | V | 54 | -22.99 | Avg | 1.35 | 225 | |
| | | | | | | | | |
| 7440 | 49.71 | V | 74 | -24.29 | Peak | 1.25 | 165 | |
| 7440 | 29.71 | V | 54 | -24.29 | Avg | 1.25 | 165 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 94.21 | H | 114 | -19.79 | Peak | 1.25 | 155 | |
| 2480 | 74.21 | H | 94 | -19.79 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 50.41 | H | 74 | -23.59 | Peak | 1.25 | 165 | |
| 4960 | 30.41 | H | 54 | -23.59 | Avg | 1.25 | 165 | |
| | | | | | | | | |
| 7440 | 49.12 | H | 74 | -24.88 | Peak | 1.65 | 175 | |
| 7440 | 29.12 | H | 54 | -24.88 | Avg | 1.65 | 175 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 94.25 | V | 114 | -19.75 | Peak | 1.25 | 155 | |
| 2480 | 74.25 | V | 94 | -19.75 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 52.95 | V | 74 | -21.05 | Peak | 1.15 | 165 | |
| 4960 | 32.95 | V | 54 | -21.05 | Avg | 1.15 | 165 | |
| | | | | | | | | |
| 7440 | 49.59 | V | 74 | -24.41 | Peak | 1.25 | 175 | |
| 7440 | 29.59 | V | 54 | -24.41 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**Z-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 95.58 | H | 114 | -18.42 | Peak | 1.25 | 155 | |
| 2480 | 75.58 | H | 94 | -18.42 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 53.82 | H | 74 | -20.18 | Peak | 1.25 | 155 | |
| 4960 | 33.82 | H | 54 | -20.18 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7440 | 51.54 | H | 74 | -22.46 | Peak | 1.35 | 165 | |
| 7440 | 31.54 | H | 54 | -22.46 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249 and FCC Class B**

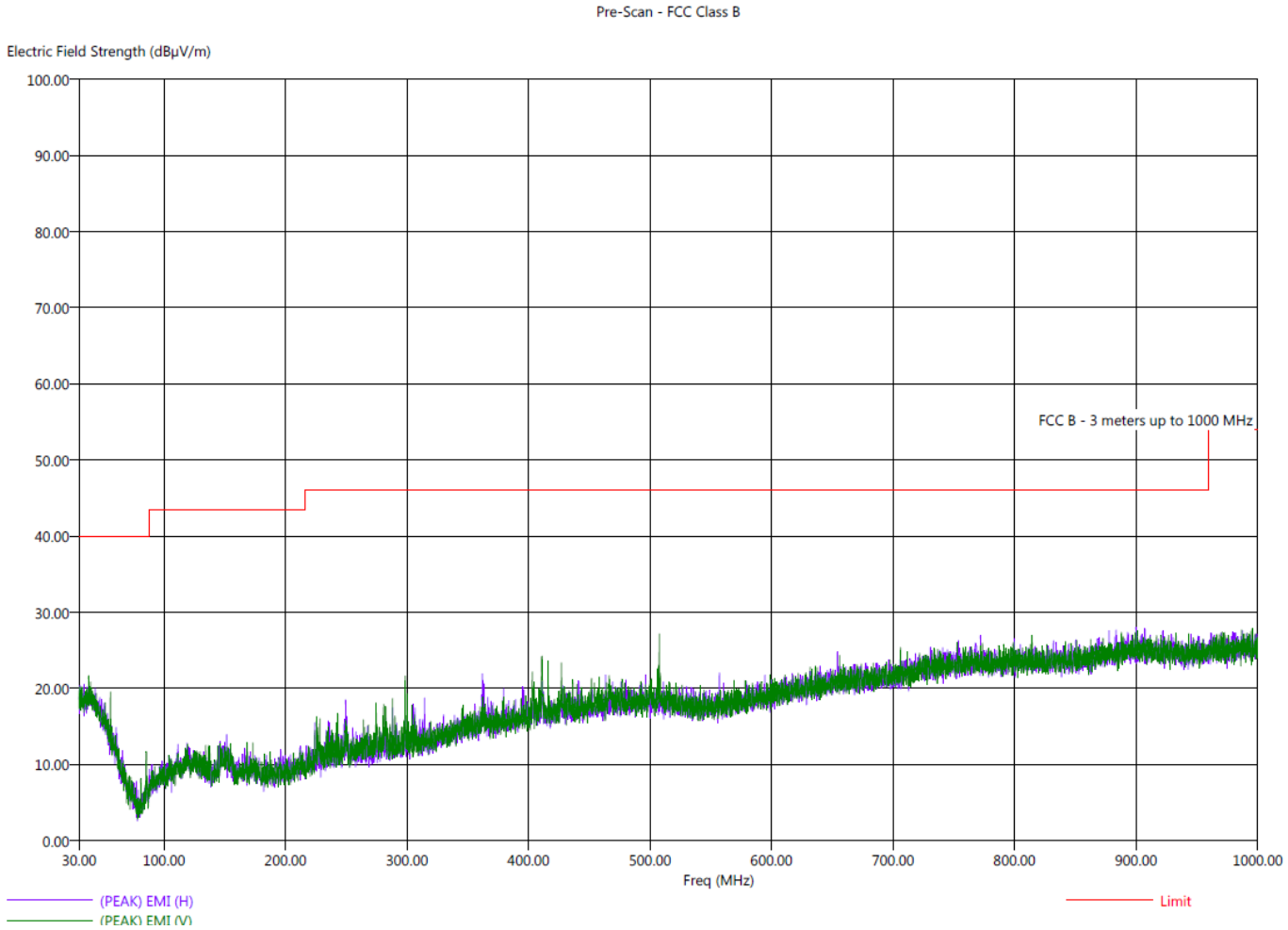
Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/24/2014 & 04/29/2014
Labs: B and D
Tested By: Kyle Fujimoto

**Radiated Emissions 10 kHz to 30 MHz and 1 GHz to 25 GHz - Thermostat Power**

| Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | Tested in the X-Axis, |
| | | | | | | | | Y-Axis, and Z-Axis |
| | | | | | | | | |

```
Title: Pre-Scan - FCC Class B                                    4/29/2014 8:30:46 AM
File: Agilent - EcoContact - Battery Power - Pre Scan - FCC Class B.set   Sequence: Preliminary Scan
Operator: Kyle Fujimoto
EUT Type: EcoContact
EUT Condition: Continuously Transmitting - Y axis (Worst Case) - Battery Power
Comments: Customer: Telkonet, Inc.
Model: PST6250
```



Title: Final Scan - FCC Class B
File: Agilent - EcoContact - Battery Power - Final Scan - FCC Class B.set
Operator: Kyle Fujimoto
EUT Type: EcoContact
EUT Condition: Continuously Transmitting - Y Axis (Worst Case) - Battery Power
Comments: Customer: Telkonet, Inc.
Model: PST6250

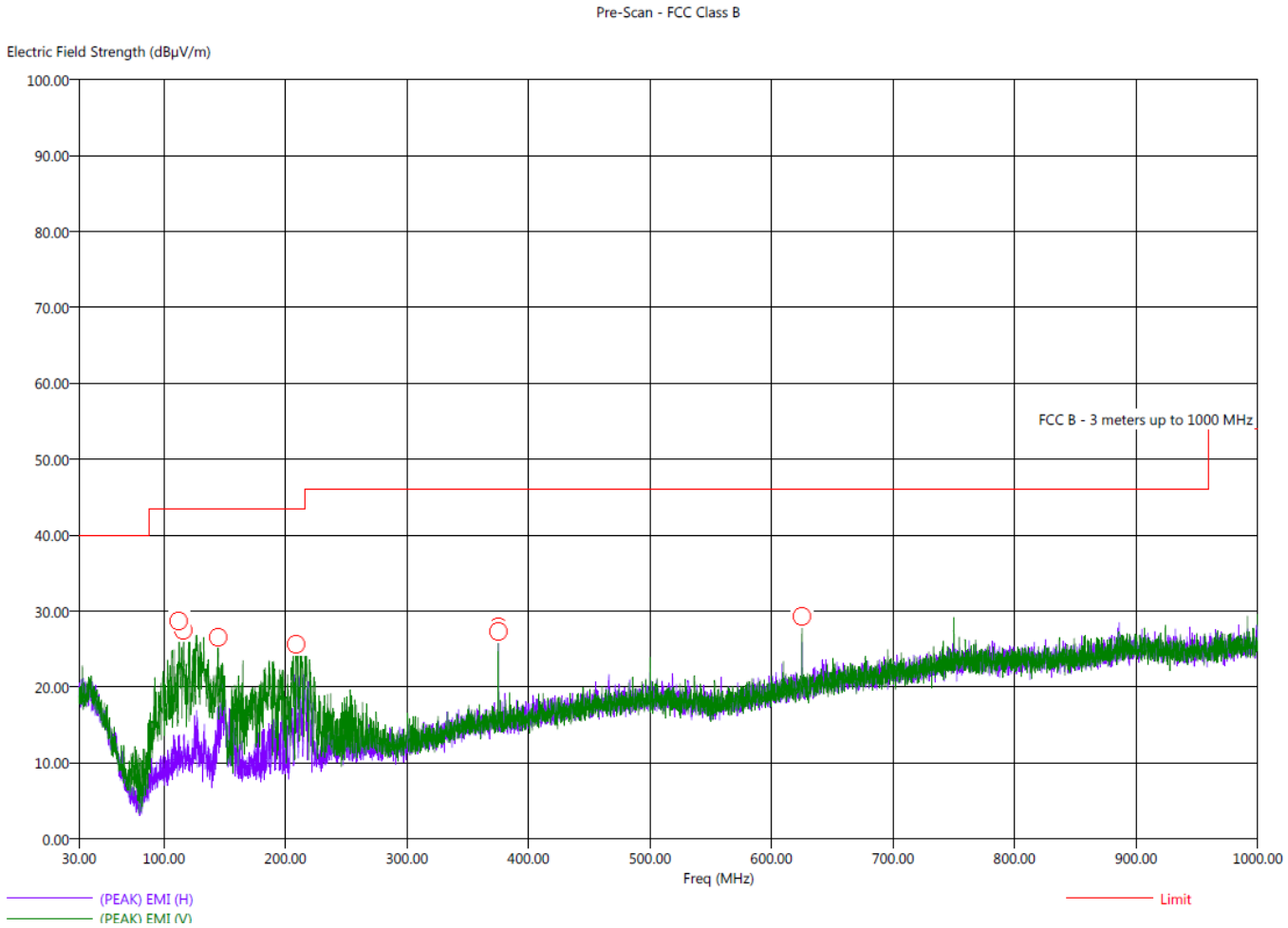
4/29/2014 9:05:24 AM
Sequence: Final Measurements

Final Scan - FCC Class B

| Freq (MHz) | Pol | (PEAK) EMI (dBµV/m) | (QP) EMI (dBµV/m) | (PEAK) Margin (dB) | (QP) Margin (dB) | Limit (dBµV/m) | Transducer (dB) | Cable (dB) | Ttbl Agl (deg) | Twr Ht (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 34.00 | H | 20.78 | 16.61 | -19.22 | -23.39 | 40.00 | 19.16 | 0.38 | 209.75 | 171.94 |
| 37.90 | V | 22.31 | 17.28 | -17.69 | -22.72 | 40.00 | 19.45 | 0.41 | 227.75 | 375.10 |
| 43.10 | H | 20.72 | 16.25 | -19.28 | -23.75 | 40.00 | 18.66 | 0.45 | 331.25 | 100.05 |
| 55.90 | V | 22.72 | 19.21 | -17.28 | -20.79 | 40.00 | 14.15 | 0.53 | 307.75 | 100.89 |
| 361.90 | H | 20.46 | 15.97 | -25.54 | -30.03 | 46.00 | 14.45 | 1.50 | 55.75 | 112.71 |
| 507.50 | V | 26.92 | 22.04 | -19.08 | -23.96 | 46.00 | 16.96 | 1.80 | 263.50 | 100.00 |

Title: Pre-Scan - FCC Class B
File: Agilent - EcoContact - Thermostat Power - Pre Scan - FCC Class B.set
Operator: Kyle Fujimoto
EUT Type: EcoContact
EUT Condition: Continuously Transmitting - Y axis (Worst Case) - Thermostat Power
Comments: Customer: Telkonet, Inc.
Model: PST6250

4/29/2014 1:44:26 PM
Sequence: Preliminary Scan



Title: Final Scan - FCC Class B
File: Agilent - EcoContact - Thermostat Power - Final Scan - FCC Class B.set
Operator: Kyle Fujimoto
EUT Type: EcoContact
EUT Condition: Continuously Transmitting - Y Axis (Worst Case) - Thermostat Power
Comments: Customer: Telkonet, Inc.
Model: PST6250

4/29/2014 1:55:32 PM
Sequence: Final Measurements

Final Scan - FCC Class B

| Freq (MHz) | Pol | (PEAK) EMI (dBµV/m) | (QP) EMI (dBµV/m) | (PEAK) Margin (dB) | (QP) Margin (dB) | Limit (dBµV/m) | Transducer (dB) | Cable (dB) | Ttbl Agl (deg) | Twr Ht (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 112.50 | V | 28.68 | 23.83 | -14.82 | -19.67 | 43.50 | 9.91 | 0.77 | 92.50 | 133.67 |
| 116.20 | V | 27.44 | 22.05 | -16.06 | -21.45 | 43.50 | 10.20 | 0.78 | 107.25 | 131.64 |
| 144.40 | V | 29.59 | 24.49 | -13.91 | -19.01 | 43.50 | 9.75 | 0.88 | 262.50 | 99.94 |
| 209.10 | V | 25.36 | 23.50 | -18.14 | -20.00 | 43.50 | 9.56 | 1.05 | 104.00 | 106.14 |
| 375.00 | H | 29.28 | 28.18 | -16.72 | -17.82 | 46.00 | 14.72 | 1.53 | 229.75 | 110.86 |
| 375.00 | V | 30.28 | 29.36 | -15.72 | -16.64 | 46.00 | 14.72 | 1.53 | 330.75 | 136.41 |
| 625.00 | V | 32.60 | 31.42 | -13.40 | -14.58 | 46.00 | 18.41 | 2.10 | 328.00 | 101.85 |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 93.88 | V | 114 | -20.12 | Peak | 1.25 | 135 | |
| 2405 | 73.88 | V | 94 | -20.12 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4810 | 49.45 | V | 74 | -24.55 | Peak | 1.35 | 145 | |
| 4810 | 29.38 | V | 54 | -24.62 | Avg | 1.35 | 145 | |
| | | | | | | | | |
| 7215 | 50.62 | V | 74 | -23.38 | Peak | 1.25 | 155 | |
| 7215 | 30.62 | V | 54 | -23.38 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 94.52 | H | 114 | -19.48 | Peak | 1.25 | 135 | |
| 2405 | 74.52 | H | 94 | -19.48 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4810 | 50.95 | H | 74 | -23.05 | Peak | 1.35 | 225 | |
| 4810 | 30.95 | H | 54 | -23.05 | Avg | 1.35 | 225 | |
| | | | | | | | | |
| 7215 | 49.44 | H | 74 | -24.56 | Peak | 1.45 | 235 | |
| 7215 | 29.44 | H | 54 | -24.56 | Avg | 1.45 | 235 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 94.74 | V | 114 | -19.26 | Peak | 1.25 | 135 | |
| 2405 | 74.74 | V | 94 | -19.26 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4810 | 50.92 | V | 74 | -23.08 | Peak | 1.25 | 135 | |
| 4810 | 30.92 | V | 54 | -23.08 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 7215 | 48.66 | V | 74 | -25.34 | Peak | 1.35 | 145 | |
| 7215 | 28.66 | V | 54 | -25.34 | Avg | 1.35 | 145 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 92.76 | H | 114 | -21.24 | Peak | 1.25 | 135 | |
| 2405 | 72.76 | H | 94 | -21.24 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4810 | 45.58 | H | 74 | -28.42 | Peak | 1.35 | 145 | |
| 4810 | 25.58 | H | 54 | -28.42 | Avg | 1.35 | 145 | |
| | | | | | | | | |
| 7215 | 49.77 | H | 74 | -24.23 | Peak | 1.25 | 155 | |
| 7215 | 29.77 | H | 54 | -24.23 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 93.29 | V | 114 | -20.71 | Peak | 1.25 | 155 | |
| 2445 | 73.29 | V | 94 | -20.71 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 50.55 | V | 74 | -23.45 | Peak | 1.35 | 145 | |
| 4890 | 30.55 | V | 54 | -23.45 | Avg | 1.35 | 145 | |
| | | | | | | | | |
| 7335 | 49.18 | V | 74 | -24.82 | Peak | 1.25 | 155 | |
| 7335 | 29.18 | V | 54 | -24.82 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 93.47 | H | 114 | -20.53 | Peak | 1.25 | 155 | |
| 2445 | 73.47 | H | 94 | -20.53 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 53.11 | H | 74 | -20.89 | Peak | 1.35 | 175 | |
| 4890 | 33.11 | H | 54 | -20.89 | Avg | 1.35 | 175 | |
| | | | | | | | | |
| 7335 | 49.91 | H | 74 | -24.09 | Peak | 1.25 | 185 | |
| 7335 | 29.91 | H | 54 | -24.09 | Avg | 1.25 | 185 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 94.98 | V | 114 | -19.02 | Peak | 1.25 | 225 | |
| 2445 | 74.98 | V | 94 | -19.02 | Avg | 1.25 | 225 | |
| | | | | | | | | |
| 4890 | 54.33 | V | 74 | -19.67 | Peak | 1.35 | 235 | |
| 4890 | 34.33 | V | 54 | -19.67 | Avg | 1.35 | 235 | |
| | | | | | | | | |
| 7335 | 49.97 | V | 74 | -24.03 | Peak | 1.25 | 145 | |
| 7335 | 29.97 | V | 54 | -24.03 | Avg | 1.25 | 145 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 90.34 | H | 114 | -23.66 | Peak | 1.25 | 135 | |
| 2445 | 70.34 | H | 94 | -23.66 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4890 | 52.88 | H | 74 | -21.12 | Peak | 1.25 | 145 | |
| 4890 | 32.88 | H | 54 | -21.12 | Avg | 1.25 | 145 | |
| | | | | | | | | |
| 7335 | 49.94 | H | 74 | -24.06 | Peak | 1.35 | 155 | |
| 7335 | 29.94 | H | 54 | -24.06 | Avg | 1.35 | 155 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 93.09 | V | 114 | -20.91 | Peak | 1.25 | 155 | |
| 2480 | 73.09 | V | 94 | -20.91 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 51.51 | V | 74 | -22.49 | Peak | 1.25 | 155 | |
| 4960 | 31.51 | V | 54 | -22.49 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7440 | 50.35 | V | 74 | -23.65 | Peak | 1.25 | 155 | |
| 7440 | 30.35 | V | 54 | -23.65 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 96.35 | H | 114 | -17.65 | Peak | 1.25 | 155 | |
| 2480 | 76.35 | H | 94 | -17.65 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 50.99 | H | 74 | -23.01 | Peak | 1.25 | 135 | |
| 4960 | 30.99 | H | 54 | -23.01 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 7440 | 49.55 | H | 74 | -24.45 | Peak | 1.25 | 155 | |
| 7440 | 29.55 | H | 54 | -24.45 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 92.81 | V | 114 | -21.19 | Peak | 1.25 | 0 | |
| 2480 | 72.81 | V | 94 | -21.19 | Avg | 1.25 | 0 | |
| | | | | | | | | |
| 4960 | 48.11 | V | 74 | -25.89 | Peak | 2.25 | 225 | |
| 4960 | 28.11 | V | 54 | -25.89 | Avg | 2.25 | 225 | |
| | | | | | | | | |
| 7440 | 51.17 | V | 74 | -22.83 | Peak | 2.25 | 0 | |
| 7440 | 31.17 | V | 54 | -22.83 | Avg | 2.25 | 0 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Battery Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 95.15 | H | 114 | -18.85 | Peak | 1.25 | 135 | |
| 2480 | 75.15 | H | 94 | -18.85 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4960 | 48.48 | H | 74 | -25.52 | Peak | 1.25 | 225 | |
| 4960 | 28.48 | H | 54 | -25.52 | Avg | 1.25 | 225 | |
| | | | | | | | | |
| 7440 | 49.41 | H | 74 | -24.59 | Peak | 1 | 135 | |
| 7440 | 29.41 | H | 54 | -24.59 | Avg | 1 | 135 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249 and FCC Class B**

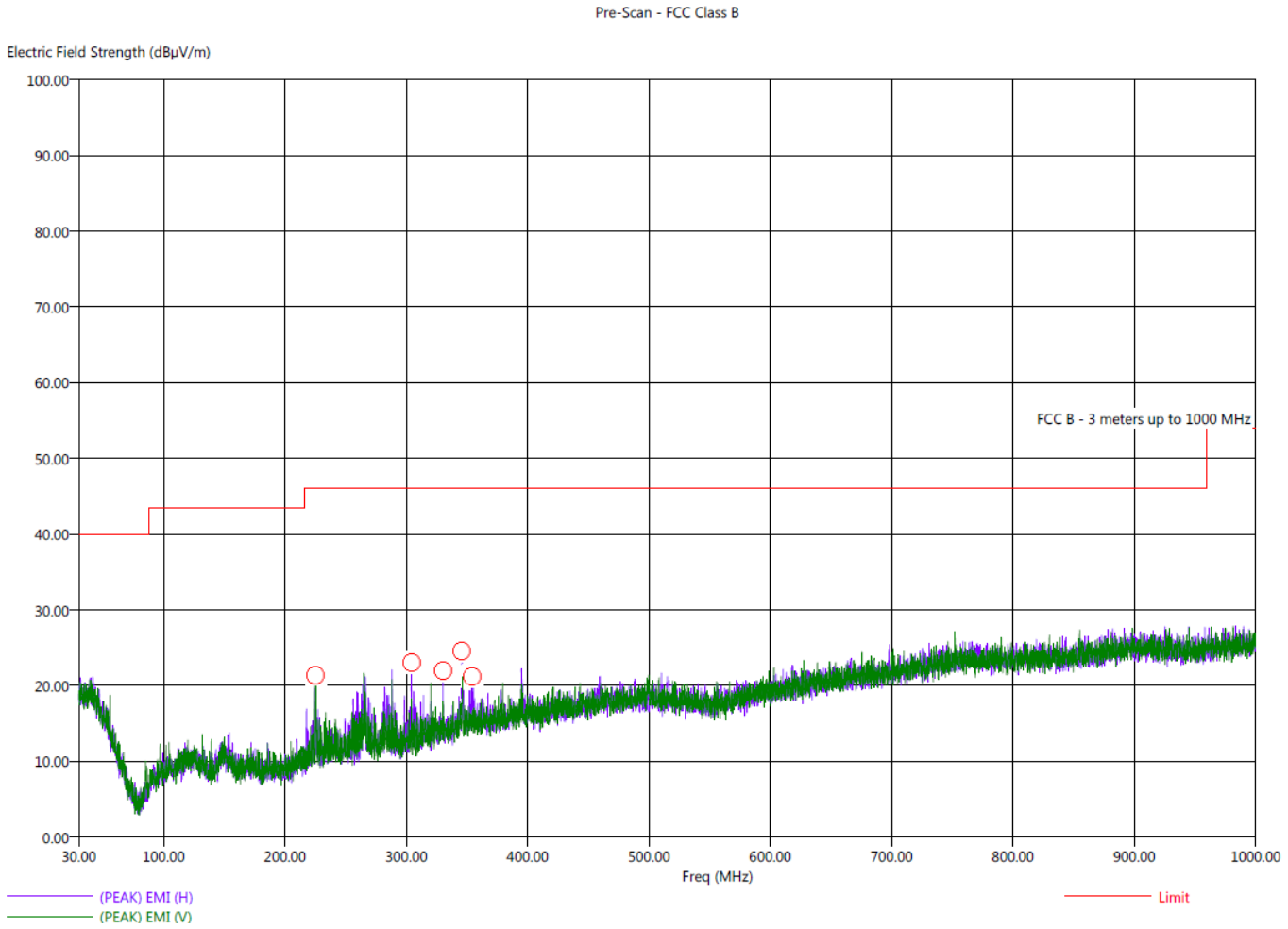
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014 and 04/29/2014
Labs: B and D
Tested By: Kyle Fujimoto

**Radiated Emissions 10 kHz to 30 MHz and 1 GHz to 25 GHz - Battery Power**

| Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | Tested in the X-Axis |
| | | | | | | | | and Y-Axis |
| | | | | | | | | |
| | | | | | | | | |

```
Title: Pre-Scan - FCC Class B                                    4/29/2014 9:29:20 AM
File: Agilent - EcoView - Battery Power - Pre Scan - FCC Class B.set   Sequence: Preliminary Scan
Operator: Kyle Fujimoto
EUT Type: EcoView
EUT Condition: Continuously Transmitting - X axis (Worst Case) - Battery Power
Comments: Customer: Telkonet, Inc.
Model: PST6200
```



Title: Final Scan - FCC Class B
File: Agilent - EcoView - Battery Power - Final Scan - FCC Class B.set
Operator: Kyle Fujimoto
EUT Type: EcoView
EUT Condition: Continuously Transmitting - X Axis (Worst Case) - Battery Power
Comments: Customer: Telkonet, Inc.
Model: PST6200

4/29/2014 9:39:26 AM
Sequence: Final Measurements

Final Scan - FCC Class B

| Freq (MHz) | Pol | (PEAK) EMI (dBµV/m) | (QP) EMI (dBµV/m) | (PEAK) Margin (dB) | (QP) Margin (dB) | Limit (dBµV/m) | Transducer (dB) | Cable (dB) | Ttbl Agl (deg) | Twr Ht (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 225.40 | V | 23.44 | 19.89 | -22.56 | -26.11 | 46.00 | 10.34 | 1.13 | 235.00 | 113.07 |
| 304.00 | H | 24.30 | 21.31 | -21.70 | -24.69 | 46.00 | 12.10 | 1.33 | 258.25 | 122.86 |
| 330.10 | H | 25.16 | 21.90 | -20.84 | -24.10 | 46.00 | 13.33 | 1.41 | 71.25 | 102.14 |
| 345.90 | H | 26.13 | 22.42 | -19.87 | -23.58 | 46.00 | 14.03 | 1.46 | 82.75 | 118.02 |
| 354.00 | H | 25.38 | 21.22 | -20.62 | -24.78 | 46.00 | 14.29 | 1.48 | 107.25 | 100.11 |
| 354.90 | H | 22.92 | 19.11 | -23.08 | -26.89 | 46.00 | 14.31 | 1.48 | 259.75 | 108.53 |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 92.84 | V | 114 | -21.16 | Peak | 1.25 | 155 | |
| 2405 | 72.84 | V | 94 | -21.16 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 50.94 | V | 74 | -23.06 | Peak | 1.35 | 155 | |
| 4810 | 30.94 | V | 54 | -23.06 | Avg | 1.35 | 155 | |
| | | | | | | | | |
| 7215 | 49.65 | V | 74 | -24.35 | Peak | 1.25 | 165 | |
| 7215 | 29.65 | V | 54 | -24.35 | Avg | 1.25 | 165 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 87.61 | H | 114 | -26.39 | Peak | 1.25 | 155 | |
| 2405 | 67.61 | H | 94 | -26.39 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4810 | 49.74 | H | 74 | -24.26 | Peak | 1.35 | 180 | |
| 4810 | 29.74 | H | 54 | -24.26 | Avg | 1.35 | 180 | |
| | | | | | | | | |
| 7215 | 49.03 | H | 74 | -24.97 | Peak | 1.25 | 155 | |
| 7215 | 29.03 | H | 54 | -24.97 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 93.21 | V | 114 | -20.79 | Peak | 1.5 | 180 | |
| 2405 | 73.21 | V | 94 | -20.79 | Avg | 1.5 | 180 | |
| | | | | | | | | |
| 4810 | 50.06 | V | 74 | -23.94 | Peak | 1.25 | 155 | |
| 4810 | 30.06 | V | 54 | -23.94 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7215 | 48.81 | V | 74 | -25.19 | Peak | 1.35 | 165 | |
| 7215 | 28.81 | V | 54 | -25.19 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Low Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2405 | 92.75 | H | 114 | -21.25 | Peak | 1.25 | 135 | |
| 2405 | 72.75 | H | 94 | -21.25 | Avg | 1.25 | 135 | |
| | | | | | | | | |
| 4810 | 49.78 | H | 74 | -24.22 | Peak | 1.35 | 145 | |
| 4810 | 29.78 | H | 54 | -24.22 | Avg | 1.35 | 145 | |
| | | | | | | | | |
| 7215 | 49.42 | H | 74 | -24.58 | Peak | 1.25 | 155 | |
| 7215 | 29.42 | H | 54 | -24.58 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9620 | | | | | | | | **No Emission** |
| 9620 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12025 | | | | | | | | **No Emission** |
| 12025 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14430 | | | | | | | | **No Emission** |
| 14430 | | | | | | | | **Detected** |
| | | | | | | | | |
| 16835 | | | | | | | | **No Emission** |
| 16835 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19240 | | | | | | | | **No Emission** |
| 19240 | | | | | | | | **Detected** |
| | | | | | | | | |
| 21645 | | | | | | | | **No Emission** |
| 21645 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24050 | | | | | | | | **No Emission** |
| 24050 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 89.26 | V | 114 | -24.74 | Peak | 1.25 | 155 | |
| 2445 | 69.23 | V | 94 | -24.77 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 48.67 | V | 74 | -25.33 | Peak | 1.25 | 145 | |
| 4890 | 28.67 | V | 54 | -25.33 | Avg | 1.25 | 145 | |
| | | | | | | | | |
| 7335 | 49.65 | V | 74 | -24.35 | Peak | 1.35 | 155 | |
| 7335 | 29.65 | V | 54 | -24.35 | Avg | 1.35 | 155 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 92.83 | H | 114 | -21.17 | Peak | 1.25 | 155 | |
| 2445 | 72.83 | H | 94 | -21.17 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 52.75 | H | 74 | -21.25 | Peak | 1.35 | 165 | |
| 4890 | 32.75 | H | 54 | -21.25 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7335 | 50.43 | H | 74 | -23.57 | Peak | 1.25 | 175 | |
| 7335 | 30.43 | H | 54 | -23.57 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**

Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 90.17 | V | 114 | -23.83 | Peak | 1.25 | 155 | |
| 2445 | 70.17 | V | 94 | -23.83 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4890 | 52.31 | V | 74 | -21.69 | Peak | 1.35 | 315 | |
| 4890 | 32.31 | V | 54 | -21.69 | Avg | 1.35 | 315 | |
| | | | | | | | | |
| 7335 | 51.27 | V | 74 | -22.73 | Peak | 1.25 | 155 | |
| 7335 | 31.27 | V | 54 | -22.73 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Middle Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2445 | 91.98 | H | 114 | -22.02 | Peak | 1.25 | 315 | |
| 2445 | 71.98 | H | 94 | -22.02 | Avg | 1.25 | 315 | |
| | | | | | | | | |
| 4890 | 50.97 | H | 74 | -23.03 | Peak | 1.35 | 325 | |
| 4890 | 30.97 | H | 54 | -23.03 | Avg | 1.35 | 325 | |
| | | | | | | | | |
| 7335 | 51.41 | H | 74 | -22.59 | Peak | 1.25 | 165 | |
| 7335 | 31.41 | H | 54 | -22.59 | Avg | 1.25 | 165 | |
| | | | | | | | | |
| 9780 | | | | | | | | **No Emission** |
| 9780 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12225 | | | | | | | | **No Emission** |
| 12225 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14670 | | | | | | | | **No Emission** |
| 14670 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17115 | | | | | | | | **No Emission** |
| 17115 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19560 | | | | | | | | **No Emission** |
| 19560 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22005 | | | | | | | | **No Emission** |
| 22005 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24450 | | | | | | | | **No Emission** |
| 24450 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 90.85 | V | 114 | -23.15 | Peak | 1.25 | 155 | |
| 2480 | 70.85 | V | 94 | -23.15 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 55.07 | V | 74 | -18.93 | Peak | 1.25 | 155 | |
| 4960 | 35.07 | V | 54 | -18.93 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7440 | 49.35 | V | 74 | -24.65 | Peak | 1.35 | 165 | |
| 7440 | 29.35 | V | 54 | -24.65 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**X-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 93.72 | H | 114 | -20.28 | Peak | 1.25 | 155 | |
| 2480 | 73.72 | H | 94 | -20.28 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 52.89 | H | 74 | -21.11 | Peak | 1.25 | 155 | |
| 4960 | 32.89 | H | 54 | -21.11 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7440 | 49.83 | H | 74 | -24.17 | Peak | 1.35 | 165 | |
| 7440 | 29.83 | H | 54 | -24.17 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 90.98 | V | 114 | -23.02 | Peak | 1.25 | 180 | |
| 2480 | 70.98 | V | 94 | -23.02 | Avg | 1.25 | 180 | |
| | | | | | | | | |
| 4960 | 47.81 | V | 74 | -26.19 | Peak | 1.25 | 155 | |
| 4960 | 27.81 | V | 54 | -26.19 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 7440 | 49.91 | V | 74 | -24.09 | Peak | 1.25 | 165 | |
| 7440 | 29.91 | V | 54 | -24.09 | Avg | 1.25 | 165 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249**
Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**High Channel - Thermostat Power**
**Y-Axis**

| Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| 2480 | 94.88 | H | 114 | -19.12 | Peak | 1.25 | 155 | |
| 2480 | 74.88 | H | 94 | -19.12 | Avg | 1.25 | 155 | |
| | | | | | | | | |
| 4960 | 47.04 | H | 74 | -26.96 | Peak | 1.35 | 165 | |
| 4960 | 27.04 | H | 54 | -26.96 | Avg | 1.35 | 165 | |
| | | | | | | | | |
| 7440 | 49.73 | H | 74 | -24.27 | Peak | 1.25 | 175 | |
| 7440 | 29.73 | H | 54 | -24.27 | Avg | 1.25 | 175 | |
| | | | | | | | | |
| 9920 | | | | | | | | **No Emission** |
| 9920 | | | | | | | | **Detected** |
| | | | | | | | | |
| 12400 | | | | | | | | **No Emission** |
| 12400 | | | | | | | | **Detected** |
| | | | | | | | | |
| 14880 | | | | | | | | **No Emission** |
| 14880 | | | | | | | | **Detected** |
| | | | | | | | | |
| 17360 | | | | | | | | **No Emission** |
| 17360 | | | | | | | | **Detected** |
| | | | | | | | | |
| 19840 | | | | | | | | **No Emission** |
| 19840 | | | | | | | | **Detected** |
| | | | | | | | | |
| 22320 | | | | | | | | **No Emission** |
| 22320 | | | | | | | | **Detected** |
| | | | | | | | | |
| 24800 | | | | | | | | **No Emission** |
| 24800 | | | | | | | | **Detected** |
| | | | | | | | | |

**FCC 15.249 and FCC Class B**

Telkonet, Inc.
EcoView
Model: PST6200

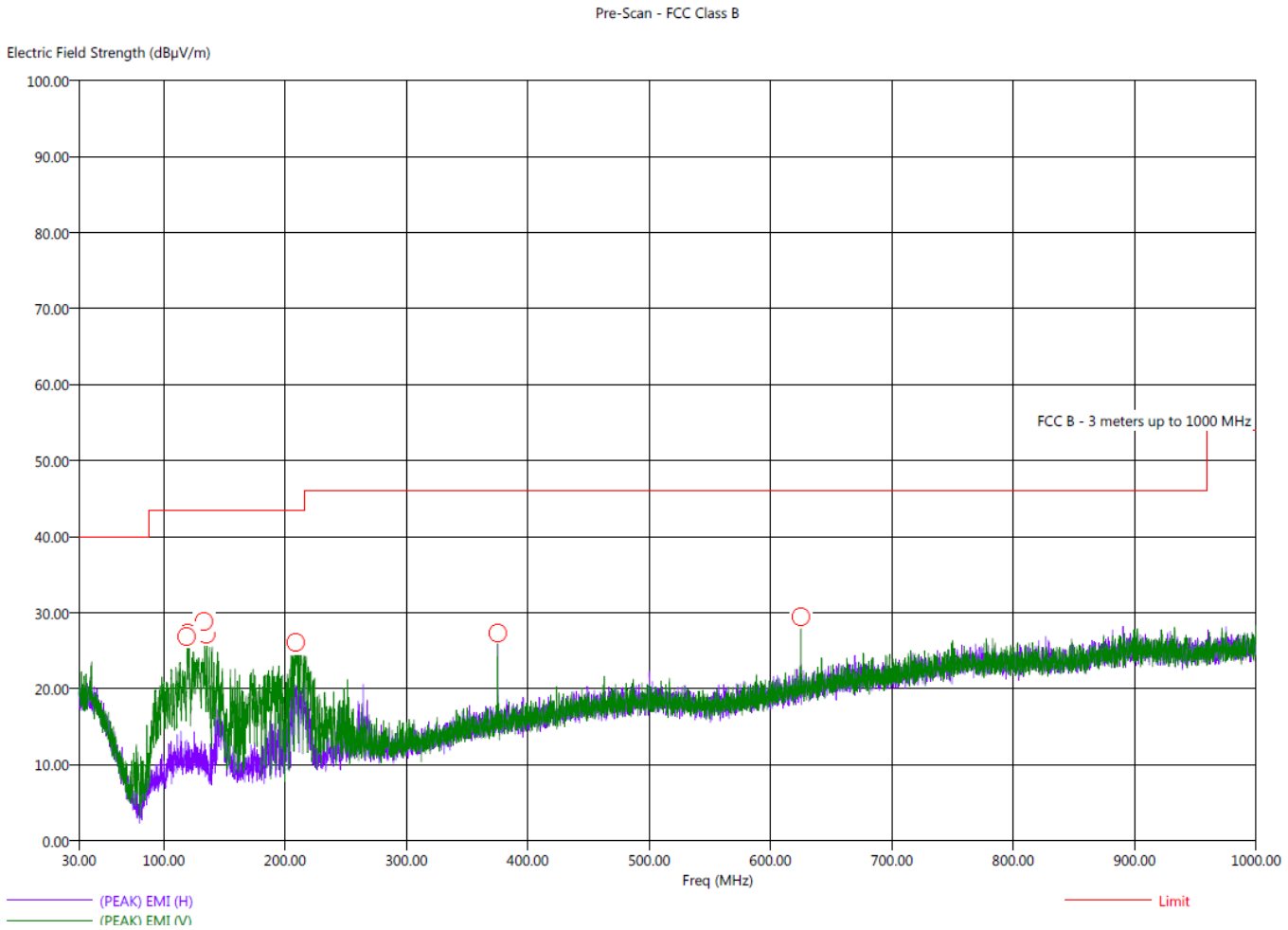
Date: 04/24/2014 and 04/29/2014
Labs: B and D
Tested By: Kyle Fujimoto

**Radiated Emissions 10 kHz to 30 MHz and 1 GHz to 25 GHz - Thermostat Power**

| Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 10 kHz to 30 MHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Non-Harmonic |
| | | | | | | | | Emissions from the |
| | | | | | | | | EUT for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | No Emissions Detected |
| | | | | | | | | from 1 GHz to 25 GHz |
| | | | | | | | | for the Digital Portion |
| | | | | | | | | of the EUT |
| | | | | | | | | for both the Vertical and |
| | | | | | | | | Horizontal Polarizations. |
| | | | | | | | | |
| | | | | | | | | Tested in the X-Axis |
| | | | | | | | | and Y-Axis |
| | | | | | | | | |
| | | | | | | | | |

Title: Pre-Scan - FCC Class B
File: Agilent - EcoView - Thermostat Power - Pre Scan - FCC Class B.set
Operator: Kyle Fujimoto
EUT Type: EcoView
EUT Condition: Continuously Transmitting - Y Axis (Worst Case) - Thermostat Power
Comments: Customer: Telkonet, Inc.
Model: PST6200

4/29/2014 11:53:51 AM
Sequence: Preliminary Scan



Title: Final Scan - FCC Class B
File: Agilent - EcoView - Thermostat Power - Final Scan - FCC Class B.set
Operator: Kyle Fujimoto
EUT Type: EcoView
EUT Condition: Continuously Transmitting - Y Axis (Worst Case) - Thermostat Power
Comments: Customer: Telkonet, Inc.
Model: PST6200

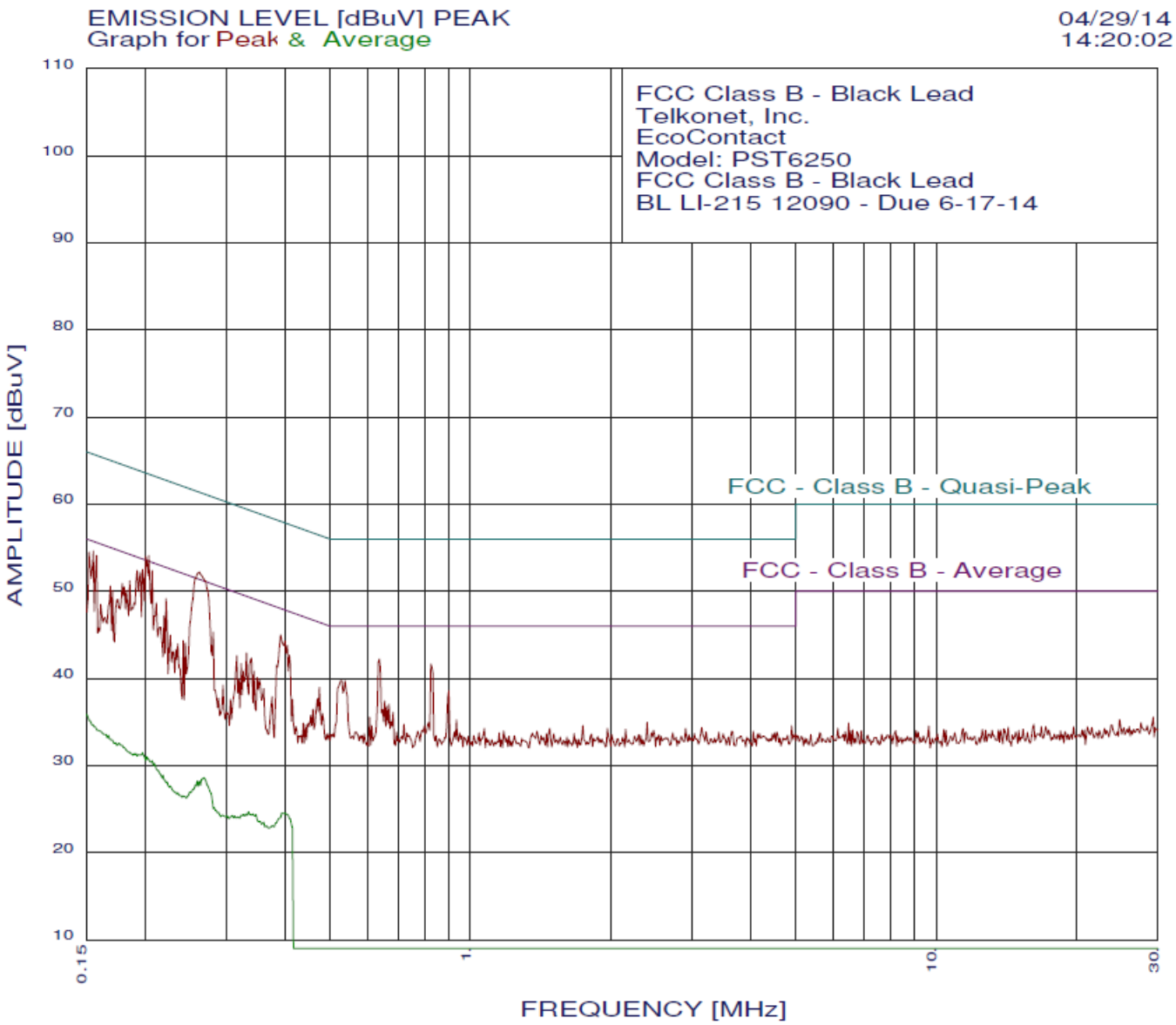
4/29/2014 12:04:55 PM
Sequence: Final Measurements

Final Scan - FCC Class B

| Freq (MHz) | Pol | (PEAK) EMI (dBµV/m) | (QP) EMI (dBµV/m) | (PEAK) Margin (dB) | (QP) Margin (dB) | Limit (dBµV/m) | Transducer (dB) | Cable (dB) | Ttbl Agl (deg) | Twr Ht (cm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32.50 | H | 21.74 | 16.89 | -18.26 | -23.11 | 40.00 | 19.25 | 0.37 | 17.50 | 257.43 |
| 32.80 | V | 24.56 | 19.25 | -15.44 | -20.75 | 40.00 | 19.22 | 0.38 | 44.75 | 100.05 |
| 35.60 | V | 24.14 | 17.68 | -15.86 | -22.32 | 40.00 | 19.19 | 0.40 | 4.50 | 120.17 |
| 36.80 | V | 22.10 | 17.72 | -17.90 | -22.28 | 40.00 | 19.31 | 0.41 | 67.00 | 134.50 |
| 38.60 | V | 22.90 | 18.04 | -17.10 | -21.96 | 40.00 | 19.53 | 0.42 | 340.25 | 127.04 |
| 38.80 | V | 21.65 | 17.47 | -18.35 | -22.53 | 40.00 | 19.59 | 0.42 | 187.25 | 395.58 |
| 39.00 | V | 24.04 | 18.97 | -15.96 | -21.03 | 40.00 | 19.57 | 0.42 | 13.50 | 113.37 |
| 39.20 | V | 24.58 | 19.29 | -15.42 | -20.71 | 40.00 | 19.60 | 0.42 | 1.50 | 101.91 |
| 39.60 | V | 23.76 | 18.43 | -16.24 | -21.57 | 40.00 | 19.64 | 0.43 | 351.75 | 167.76 |
| 125.00 | V | 29.54 | 24.37 | -13.96 | -19.13 | 43.50 | 10.60 | 0.80 | 303.00 | 100.05 |
| 129.60 | H | 16.42 | 11.75 | -27.08 | -31.75 | 43.50 | 9.96 | 0.82 | 35.75 | 212.17 |
| 133.80 | H | 14.95 | 9.53 | -28.55 | -33.97 | 43.50 | 9.40 | 0.84 | 360.25 | 111.04 |
| 146.90 | V | 27.84 | 22.25 | -15.66 | -21.25 | 43.50 | 10.36 | 0.89 | 246.00 | 104.29 |
| 210.00 | V | 26.71 | 24.07 | -16.79 | -19.43 | 43.50 | 9.60 | 1.05 | 81.50 | 105.25 |
| 211.50 | V | 26.56 | 23.80 | -16.94 | -19.70 | 43.50 | 9.68 | 1.06 | 97.25 | 99.94 |
| 215.00 | V | 25.78 | 23.26 | -17.72 | -20.24 | 43.50 | 9.85 | 1.08 | 96.75 | 103.88 |
| 375.00 | V | 30.52 | 29.52 | -15.48 | -16.48 | 46.00 | 14.72 | 1.53 | 338.00 | 147.10 |
| 625.00 | V | 32.68 | 31.46 | -13.32 | -14.54 | 46.00 | 18.41 | 2.10 | 331.00 | 104.17 |

# *CONDUCTED EMISSIONS*

# *DATA SHEETS*


EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average
04/29/14
14:20:02
FCC Class B - Black Lead
Telkonet, Inc.
EcoContact
Model: PST6250
FCC Class B - Black Lead
BL LI-215 12090 - Due 6-17-14
FCC - Class B - Quasi-Peak
FCC - Class B - Average
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30
FREQUENCY [MHz]

04/29/14 14:20:02

FCC Class B - Black Lead
Telkonet, Inc.
EcoContact
Model: PST6250
FCC Class B - Black Lead
BL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

45 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 1.00 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.262 | 52.23 | 51.38 | 0.85** |
| 2 | 0.204 | 54.08 | 53.44 | 0.64** |
| 3 | 0.201 | 53.98 | 53.58 | 0.40** |
| 4 | 0.207 | 52.38 | 53.31 | -0.93** |
| 5 | 0.155 | 54.59 | 55.73 | -1.14** |
| 6 | 0.198 | 52.48 | 53.71 | -1.23** |
| 7 | 0.152 | 54.49 | 55.91 | -1.42** |
| 8 | 0.157 | 54.09 | 55.60 | -1.51** |
| 9 | 0.193 | 52.38 | 53.93 | -1.55** |
| 10 | 0.196 | 52.18 | 53.80 | -1.62** |
| 11 | 0.391 | 44.98 | 48.03 | -3.06** |
| 12 | 0.185 | 51.18 | 54.24 | -3.06** |
| 13 | 0.222 | 49.16 | 52.74 | -3.58** |
| 14 | 0.179 | 50.88 | 54.54 | -3.66** |
| 15 | 0.637 | 42.23 | 46.00 | -3.77 |
| 16 | 0.183 | 50.08 | 54.37 | -4.29** |
| 17 | 0.822 | 41.64 | 46.00 | -4.36 |
| 18 | 0.169 | 50.59 | 55.03 | -4.44** |
| 19 | 0.212 | 48.67 | 53.14 | -4.47** |
| 20 | 0.170 | 50.09 | 54.94 | -4.85** |
| 21 | 0.409 | 42.67 | 47.68 | -5.00** |
| 22 | 0.280 | 45.32 | 50.81 | -5.48** |
| 23 | 0.175 | 49.09 | 54.72 | -5.63** |
| 24 | 0.220 | 47.16 | 52.83 | -5.66** |
| 25 | 0.527 | 39.73 | 46.00 | -6.27 |
| 26 | 0.538 | 39.73 | 46.00 | -6.27 |
| 27 | 0.331 | 42.90 | 49.44 | -6.54** |
| 28 | 0.339 | 42.30 | 49.22 | -6.92** |
| 29 | 0.161 | 48.49 | 55.43 | -6.94** |
| 30 | 0.215 | 45.87 | 53.00 | -7.14** |
| 31 | 0.315 | 42.60 | 49.84 | -7.23** |
| 32 | 0.899 | 38.54 | 46.00 | -7.46 |
| 33 | 0.474 | 38.95 | 46.45 | -7.49 |
| 34 | 0.227 | 44.95 | 52.57 | -7.61** |
| 35 | 0.242 | 44.34 | 52.04 | -7.70** |
| 36 | 0.244 | 44.04 | 51.95 | -7.91** |
| 37 | 0.322 | 41.70 | 49.66 | -7.96** |
| 38 | 0.235 | 43.95 | 52.25 | -8.31** |
| 39 | 0.343 | 40.80 | 49.13 | -8.34** |
| 40 | 0.655 | 37.42 | 46.00 | -8.58 |
| 41 | 0.325 | 40.80 | 49.57 | -8.77** |
| 42 | 0.469 | 37.65 | 46.53 | -8.88 |
| 43 | 0.348 | 40.10 | 49.00 | -8.90** |
| 44 | 0.669 | 37.02 | 46.00 | -8.98 |
| 45 | 0.233 | 43.35 | 52.34 | -8.99** |

---

**Please See the Average Readings on the Next Page and on the Plot

04/29/14 14:20:02

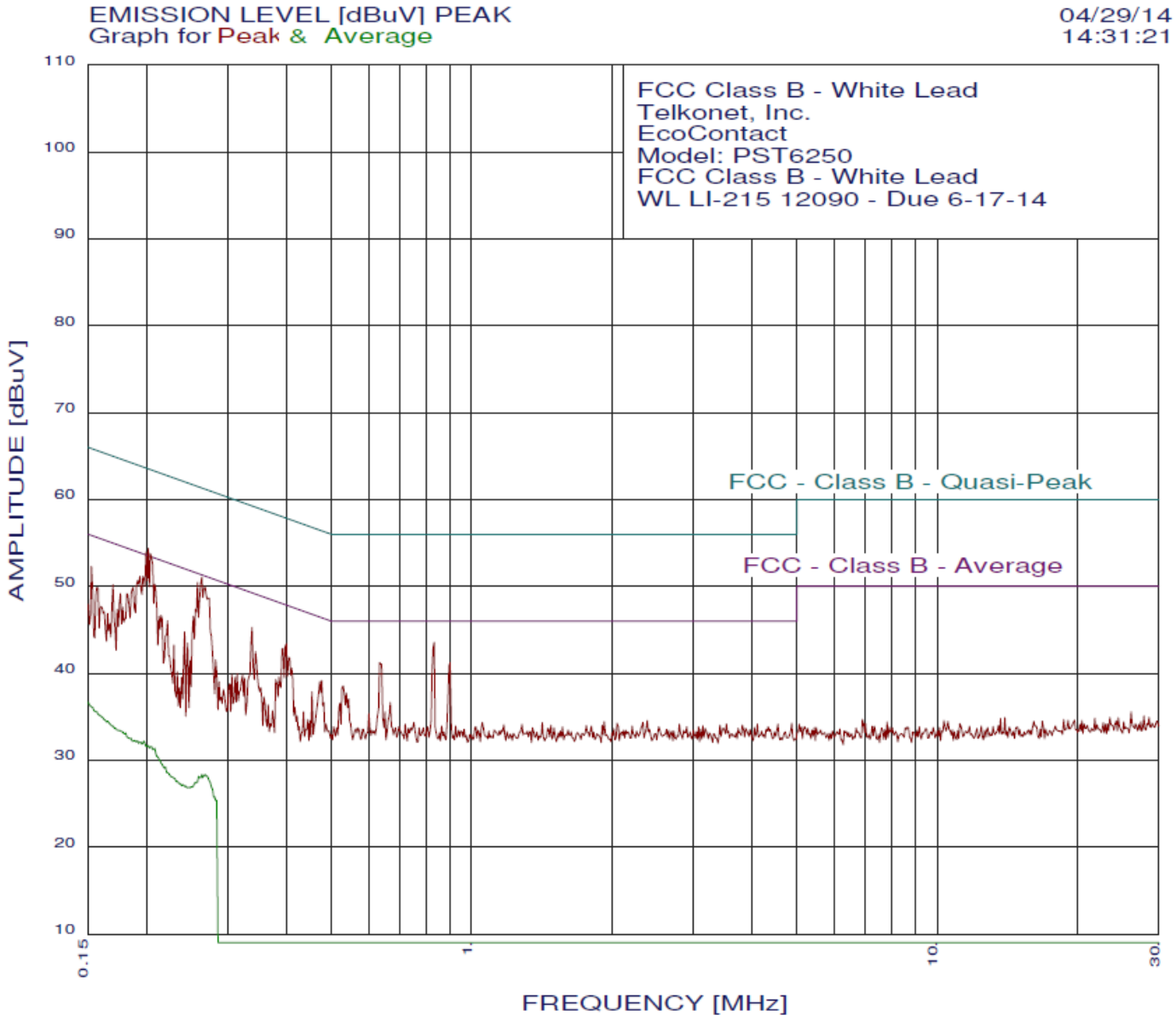
FCC Class B - Black Lead
Telkonet, Inc.
EcoContact
Model: PST6250
FCC Class B - Black Lead
BL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

44 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.00 dB, Curve : Average

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.155 | 34.64 | 55.73 | -21.09 |
| 2 | 0.167 | 33.47 | 55.11 | -21.64 |
| 3 | 0.176 | 32.54 | 54.68 | -22.14 |
| 4 | 0.173 | 32.62 | 54.81 | -22.19 |
| 5 | 0.198 | 31.46 | 53.71 | -22.25 |
| 6 | 0.181 | 32.08 | 54.46 | -22.37 |
| 7 | 0.202 | 30.98 | 53.53 | -22.55 |
| 8 | 0.192 | 31.38 | 53.97 | -22.59 |
| 9 | 0.267 | 28.58 | 51.20 | -22.62 |
| 10 | 0.194 | 31.26 | 53.88 | -22.62 |
| 11 | 0.189 | 31.35 | 54.06 | -22.71 |
| 12 | 0.207 | 30.54 | 53.31 | -22.77 |
| 13 | 0.265 | 28.42 | 51.29 | -22.87 |
| 14 | 0.210 | 30.24 | 53.23 | -22.98 |
| 15 | 0.262 | 28.21 | 51.38 | -23.17 |
| 16 | 0.259 | 28.21 | 51.47 | -23.26 |
| 17 | 0.400 | 24.54 | 47.86 | -23.31 |
| 18 | 0.393 | 24.55 | 47.99 | -23.44 |
| 19 | 0.256 | 27.73 | 51.55 | -23.82 |
| 20 | 0.219 | 28.89 | 52.87 | -23.98 |
| 21 | 0.254 | 27.32 | 51.64 | -24.32 |
| 22 | 0.223 | 28.11 | 52.70 | -24.59 |
| 23 | 0.334 | 24.70 | 49.35 | -24.65 |
| 24 | 0.347 | 24.38 | 49.04 | -24.67 |
| 25 | 0.341 | 24.44 | 49.18 | -24.74 |
| 26 | 0.250 | 26.95 | 51.77 | -24.82 |
| 27 | 0.381 | 23.39 | 48.25 | -24.86 |
| 28 | 0.227 | 27.62 | 52.57 | -24.94 |
| 29 | 0.329 | 24.44 | 49.48 | -25.04 |
| 30 | 0.325 | 24.38 | 49.57 | -25.19 |
| 31 | 0.360 | 23.48 | 48.73 | -25.26 |
| 32 | 0.375 | 23.10 | 48.38 | -25.29 |
| 33 | 0.322 | 24.31 | 49.66 | -25.35 |
| 34 | 0.235 | 26.86 | 52.25 | -25.40 |
| 35 | 0.242 | 26.50 | 52.04 | -25.54 |
| 36 | 0.282 | 25.15 | 50.76 | -25.61 |
| 37 | 0.363 | 23.03 | 48.65 | -25.61 |
| 38 | 0.317 | 24.11 | 49.79 | -25.68 |
| 39 | 0.312 | 24.18 | 49.92 | -25.74 |
| 40 | 0.309 | 24.26 | 50.01 | -25.75 |
| 41 | 0.300 | 24.26 | 50.23 | -25.97 |
| 42 | 0.305 | 24.12 | 50.10 | -25.98 |
| 43 | 0.288 | 24.59 | 50.58 | -25.99 |
| 44 | 0.293 | 24.27 | 50.45 | -26.18 |

---


EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average
04/29/14
14:31:21
FCC Class B - White Lead
Telkonet, Inc.
EcoContact
Model: PST6250
FCC Class B - White Lead
WL LI-215 12090 - Due 6-17-14
FCC - Class B - Quasi-Peak
FCC - Class B - Average
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1.
10.
30.
FREQUENCY [MHz]

04/29/14 14:31:21

FCC Class B - White Lead
Telkonet, Inc.
EcoContact
Model: PST6250
FCC Class B - White Lead
WL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

45 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 1.00 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.202 | 54.36 | 53.53 | 0.83** |
| 2 | 0.200 | 53.96 | 53.62 | 0.34** |
| 3 | 0.204 | 53.76 | 53.44 | 0.32** |
| 4 | 0.263 | 51.03 | 51.33 | -0.30** |
| 5 | 0.258 | 50.44 | 51.51 | -1.07** |
| 6 | 0.267 | 49.93 | 51.20 | -1.27** |
| 7 | 0.831 | 43.53 | 46.00 | -2.47 |
| 8 | 0.197 | 51.16 | 53.75 | -2.59** |
| 9 | 0.194 | 51.16 | 53.88 | -2.72** |
| 10 | 0.208 | 50.26 | 53.27 | -3.01** |
| 11 | 0.152 | 52.29 | 55.86 | -3.58** |
| 12 | 0.338 | 45.29 | 49.26 | -3.97 |
| 13 | 0.187 | 49.86 | 54.15 | -4.29** |
| 14 | 0.400 | 43.37 | 47.86 | -4.48 |
| 15 | 0.634 | 41.23 | 46.00 | -4.77 |
| 16 | 0.899 | 41.23 | 46.00 | -4.77 |
| 17 | 0.170 | 50.18 | 54.98 | -4.81** |
| 18 | 0.393 | 42.87 | 47.99 | -5.12 |
| 19 | 0.252 | 46.54 | 51.68 | -5.14** |
| 20 | 0.182 | 49.16 | 54.41 | -5.25** |
| 21 | 0.176 | 49.17 | 54.68 | -5.50** |
| 22 | 0.157 | 49.89 | 55.64 | -5.76** |
| 23 | 0.404 | 41.77 | 47.77 | -5.99 |
| 24 | 0.215 | 46.65 | 53.00 | -6.35** |
| 25 | 0.213 | 46.56 | 53.09 | -6.54** |
| 26 | 0.343 | 42.49 | 49.13 | -6.65 |
| 27 | 0.222 | 46.05 | 52.74 | -6.69** |
| 28 | 0.178 | 47.57 | 54.59 | -7.02** |
| 29 | 0.476 | 39.15 | 46.40 | -7.26 |
| 30 | 0.242 | 44.75 | 52.04 | -7.29** |
| 31 | 0.173 | 47.37 | 54.81 | -7.44** |
| 32 | 0.471 | 39.05 | 46.49 | -7.44 |
| 33 | 0.530 | 38.53 | 46.00 | -7.47 |
| 34 | 0.160 | 47.68 | 55.47 | -7.79** |
| 35 | 0.538 | 37.73 | 46.00 | -8.27 |
| 36 | 0.165 | 46.88 | 55.20 | -8.32** |
| 37 | 0.246 | 43.44 | 51.90 | -8.46** |
| 38 | 0.385 | 39.58 | 48.16 | -8.59 |
| 39 | 0.454 | 37.86 | 46.80 | -8.95 |
| 40 | 0.379 | 39.28 | 48.29 | -9.02 |
| 41 | 0.229 | 43.25 | 52.48 | -9.23** |
| 42 | 0.282 | 41.52 | 50.76 | -9.24** |
| 43 | 0.669 | 36.63 | 46.00 | -9.37 |
| 44 | 0.521 | 36.53 | 46.00 | -9.47 |
| 45 | 0.322 | 39.80 | 49.66 | -9.86 |

---

**Please See the Average Readings on the Next Page and on the Plot

04/29/14 14:31:21

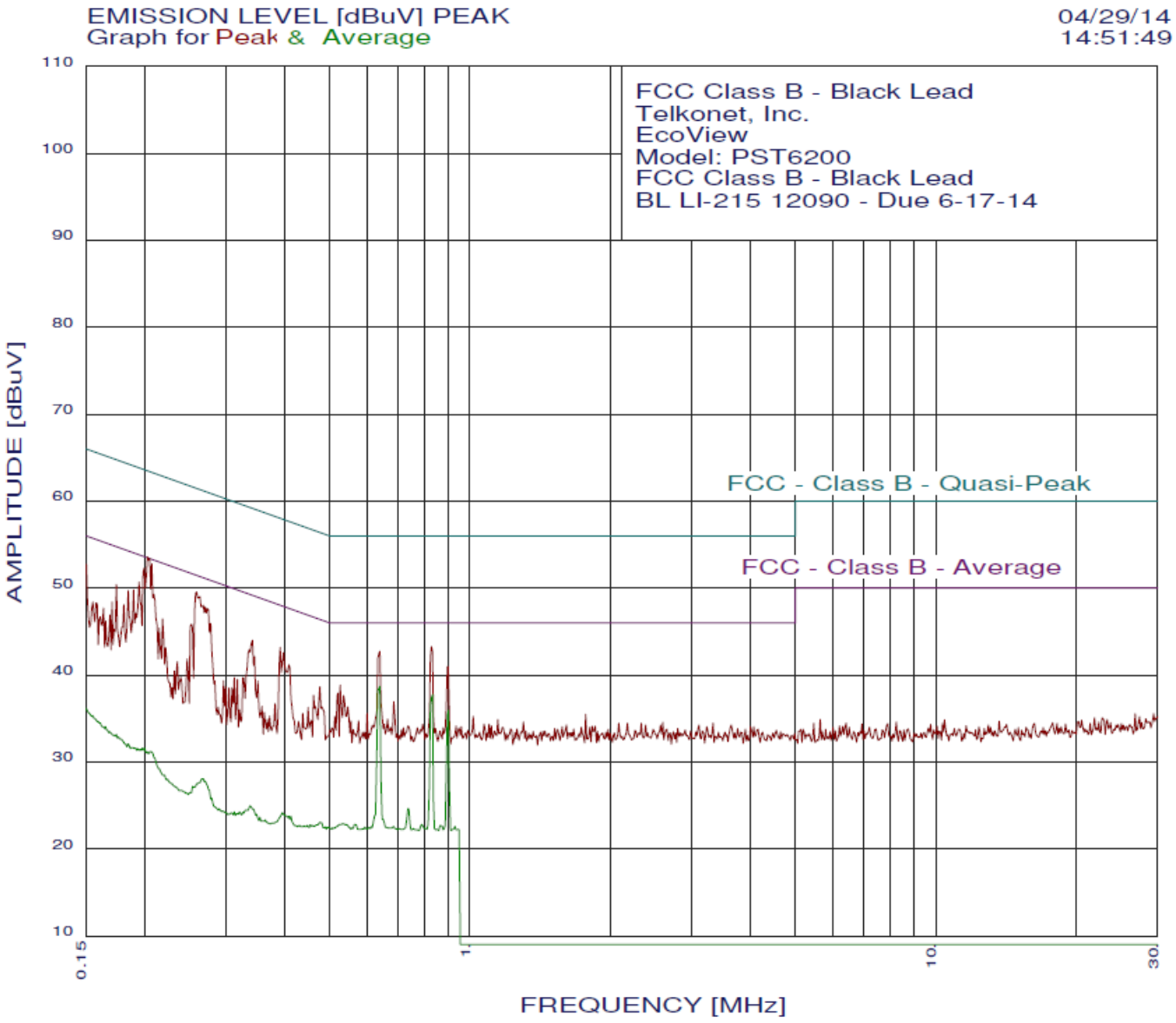
FCC Class B - White Lead
Telkonet, Inc.
EcoContact
Model: PST6250
FCC Class B - White Lead
WL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

23 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.00 dB, Curve : Average

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.165 | 34.47 | 55.20 | -20.73 |
| 2 | 0.181 | 33.12 | 54.46 | -21.34 |
| 3 | 0.198 | 32.20 | 53.71 | -21.51 |
| 4 | 0.185 | 32.51 | 54.24 | -21.73 |
| 5 | 0.192 | 32.22 | 53.97 | -21.75 |
| 6 | 0.195 | 32.06 | 53.84 | -21.78 |
| 7 | 0.188 | 32.28 | 54.10 | -21.82 |
| 8 | 0.202 | 31.65 | 53.53 | -21.88 |
| 9 | 0.204 | 31.56 | 53.44 | -21.88 |
| 10 | 0.208 | 31.36 | 53.27 | -21.91 |
| 11 | 0.267 | 28.33 | 51.20 | -22.87 |
| 12 | 0.263 | 28.33 | 51.33 | -23.00 |
| 13 | 0.259 | 28.13 | 51.47 | -23.34 |
| 14 | 0.220 | 29.22 | 52.83 | -23.60 |
| 15 | 0.256 | 27.47 | 51.55 | -24.08 |
| 16 | 0.254 | 27.38 | 51.64 | -24.26 |
| 17 | 0.233 | 27.57 | 52.34 | -24.77 |
| 18 | 0.250 | 26.95 | 51.77 | -24.82 |
| 19 | 0.239 | 27.20 | 52.12 | -24.93 |
| 20 | 0.243 | 27.01 | 52.00 | -24.99 |
| 21 | 0.247 | 26.85 | 51.86 | -25.01 |
| 22 | 0.280 | 25.78 | 50.81 | -25.03 |
| 23 | 0.283 | 25.37 | 50.72 | -25.34 |

---


EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average
04/29/14
14:51:49
FCC Class B - Black Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - Black Lead
BL LI-215 12090 - Due 6-17-14
FCC - Class B - Quasi-Peak
FCC - Class B - Average
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30
FREQUENCY [MHz]

04/29/14 14:51:49

FCC Class B - Black Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - Black Lead
BL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

45 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 1.00 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.203 | 53.58 | 53.49 | 0.09** |
| 2 | 0.207 | 52.78 | 53.31 | -0.53** |
| 3 | 0.200 | 52.28 | 53.62 | -1.34** |
| 4 | 0.259 | 49.53 | 51.47 | -1.94** |
| 5 | 0.826 | 43.24 | 46.00 | -2.76** |
| 6 | 0.195 | 50.68 | 53.84 | -3.16** |
| 7 | 0.641 | 42.73 | 46.00 | -3.27** |
| 8 | 0.189 | 49.78 | 54.06 | -4.28** |
| 9 | 0.174 | 50.39 | 54.77 | -4.38** |
| 10 | 0.184 | 49.68 | 54.28 | -4.60** |
| 11 | 0.391 | 43.18 | 48.03 | -4.86** |
| 12 | 0.895 | 40.94 | 46.00 | -5.06** |
| 13 | 0.341 | 44.00 | 49.18 | -5.18** |
| 14 | 0.398 | 42.57 | 47.90 | -5.33** |
| 15 | 0.252 | 45.83 | 51.68 | -5.85** |
| 16 | 0.181 | 48.08 | 54.46 | -6.37** |
| 17 | 0.219 | 46.46 | 52.87 | -6.41** |
| 18 | 0.170 | 48.39 | 54.94 | -6.55** |
| 19 | 0.527 | 38.83 | 46.00 | -7.17** |
| 20 | 0.157 | 48.29 | 55.60 | -7.31** |
| 21 | 0.155 | 48.39 | 55.73 | -7.34** |
| 22 | 0.163 | 47.69 | 55.29 | -7.60** |
| 23 | 0.215 | 45.37 | 53.00 | -7.64** |
| 24 | 0.476 | 38.65 | 46.40 | -7.75** |
| 25 | 0.521 | 37.93 | 46.00 | -8.07** |
| 26 | 0.169 | 46.89 | 55.03 | -8.14** |
| 27 | 0.535 | 37.63 | 46.00 | -8.37** |
| 28 | 0.461 | 37.66 | 46.67 | -9.01** |
| 29 | 0.165 | 46.19 | 55.20 | -9.01** |
| 30 | 0.686 | 36.92 | 46.00 | -9.08** |
| 31 | 0.222 | 43.16 | 52.74 | -9.58** |
| 32 | 0.350 | 39.30 | 48.95 | -9.66** |
| 33 | 0.547 | 36.33 | 46.00 | -9.67** |
| 34 | 0.325 | 39.70 | 49.57 | -9.87** |
| 35 | 0.247 | 41.84 | 51.86 | -10.02** |
| 36 | 0.312 | 39.70 | 49.92 | -10.22** |
| 37 | 0.317 | 39.50 | 49.79 | -10.29** |
| 38 | 0.601 | 35.53 | 46.00 | -10.47** |
| 39 | 1.772 | 35.49 | 46.00 | -10.51 |
| 40 | 0.449 | 36.27 | 46.89 | -10.62** |
| 41 | 0.235 | 41.55 | 52.25 | -10.71** |
| 42 | 1.016 | 35.24 | 46.00 | -10.76 |
| 43 | 0.513 | 35.24 | 46.00 | -10.76** |
| 44 | 0.296 | 39.32 | 50.36 | -11.05** |
| 45 | 0.665 | 34.92 | 46.00 | -11.08** |

---

**Please See the Average Readings on the Next Page and on the Plot

04/29/14 14:51:49

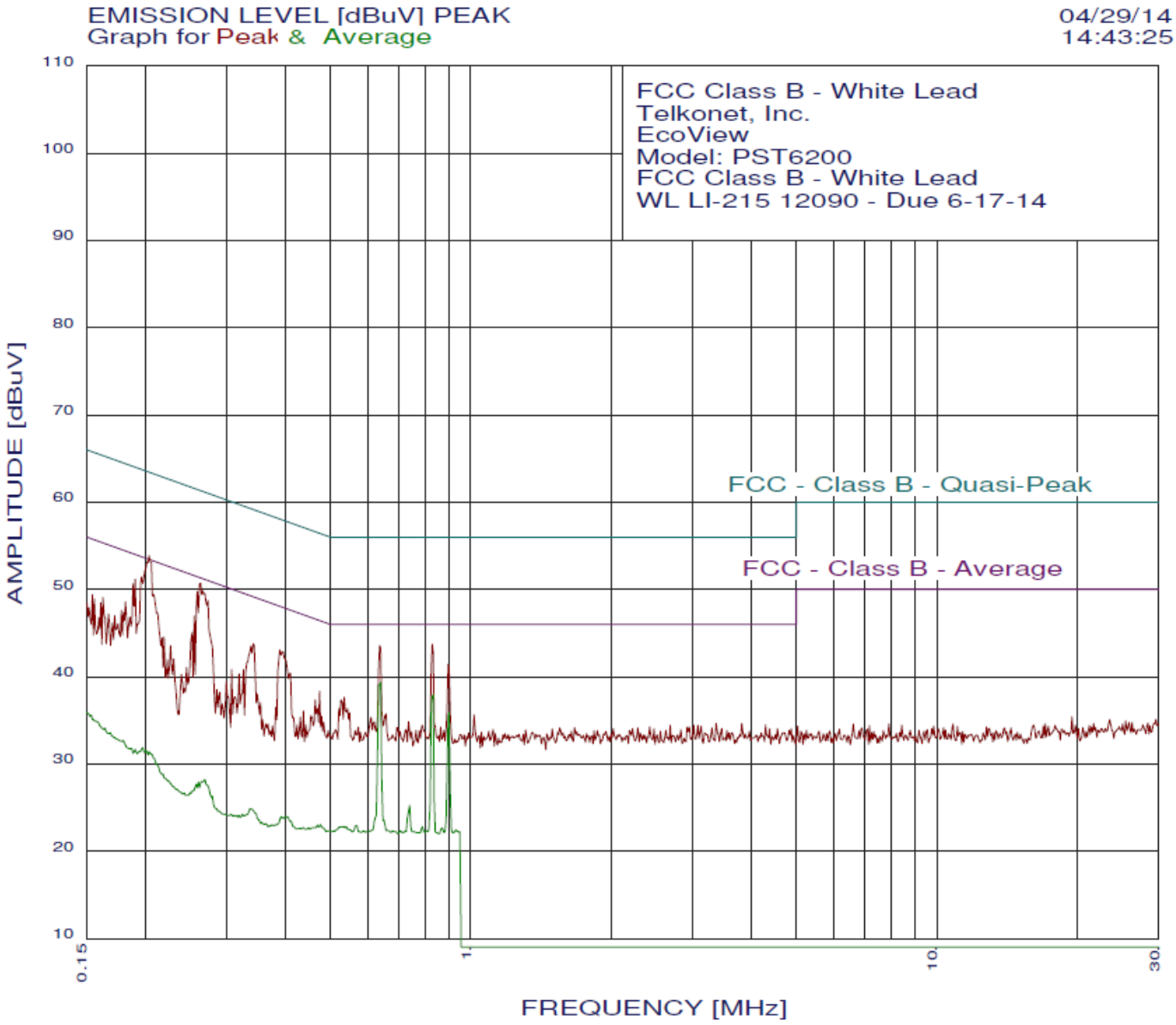
FCC Class B - Black Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - Black Lead
BL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

45 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.00 dB, Curve : Average

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.641 | 38.69 | 46.00 | -7.31 |
| 2 | 0.831 | 37.72 | 46.00 | -8.28 |
| 3 | 0.899 | 35.94 | 46.00 | -10.06 |
| 4 | 0.155 | 35.30 | 55.73 | -20.43 |
| 5 | 0.165 | 34.05 | 55.20 | -21.15 |
| 6 | 0.163 | 34.03 | 55.29 | -21.26 |
| 7 | 0.735 | 24.63 | 46.00 | -21.37 |
| 8 | 0.169 | 33.47 | 55.03 | -21.56 |
| 9 | 0.174 | 33.16 | 54.77 | -21.61 |
| 10 | 0.176 | 32.87 | 54.68 | -21.81 |
| 11 | 0.200 | 31.61 | 53.62 | -22.01 |
| 12 | 0.198 | 31.58 | 53.71 | -22.13 |
| 13 | 0.206 | 31.20 | 53.35 | -22.16 |
| 14 | 0.184 | 32.06 | 54.28 | -22.22 |
| 15 | 0.203 | 31.14 | 53.49 | -22.35 |
| 16 | 0.192 | 31.61 | 53.97 | -22.36 |
| 17 | 0.194 | 31.52 | 53.88 | -22.36 |
| 18 | 0.196 | 31.43 | 53.80 | -22.37 |
| 19 | 0.187 | 31.64 | 54.15 | -22.51 |
| 20 | 0.532 | 22.89 | 46.00 | -23.11 |
| 21 | 0.266 | 28.08 | 51.24 | -23.17 |
| 22 | 0.788 | 22.82 | 46.00 | -23.18 |
| 23 | 0.524 | 22.81 | 46.00 | -23.19 |
| 24 | 0.544 | 22.81 | 46.00 | -23.19 |
| 25 | 0.564 | 22.81 | 46.00 | -23.19 |
| 26 | 0.862 | 22.67 | 46.00 | -23.33 |
| 27 | 0.476 | 23.06 | 46.40 | -23.34 |
| 28 | 0.270 | 27.77 | 51.11 | -23.34 |
| 29 | 0.929 | 22.59 | 46.00 | -23.41 |
| 30 | 0.614 | 22.58 | 46.00 | -23.42 |
| 31 | 0.686 | 22.57 | 46.00 | -23.43 |
| 32 | 0.595 | 22.50 | 46.00 | -23.50 |
| 33 | 0.608 | 22.50 | 46.00 | -23.50 |
| 34 | 0.508 | 22.43 | 46.00 | -23.57 |
| 35 | 0.558 | 22.42 | 46.00 | -23.58 |
| 36 | 0.494 | 22.51 | 46.09 | -23.58 |
| 37 | 0.755 | 22.34 | 46.00 | -23.66 |
| 38 | 0.489 | 22.51 | 46.18 | -23.67 |
| 39 | 0.589 | 22.33 | 46.00 | -23.67 |
| 40 | 0.705 | 22.33 | 46.00 | -23.67 |
| 41 | 0.694 | 22.32 | 46.00 | -23.68 |
| 42 | 0.849 | 22.26 | 46.00 | -23.74 |
| 43 | 0.944 | 22.26 | 46.00 | -23.74 |
| 44 | 0.469 | 22.76 | 46.53 | -23.77 |
| 45 | 0.262 | 27.60 | 51.38 | -23.78 |

---


EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average
04/29/14
14:43:25
FCC Class B - White Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - White Lead
WL LI-215 12090 - Due 6-17-14
FCC - Class B - Quasi-Peak
FCC - Class B - Average
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30
FREQUENCY [MHz]

04/29/14 14:43:25

FCC Class B - White Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - White Lead
WL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

45 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 1.00 dB, Curve : Peak

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.204 | 53.86 | 53.44 | 0.42** |
| 2 | 0.263 | 50.73 | 51.33 | -0.60** |
| 3 | 0.259 | 49.74 | 51.47 | -1.73** |
| 4 | 0.826 | 43.73 | 46.00 | -2.27** |
| 5 | 0.637 | 43.53 | 46.00 | -2.47** |
| 6 | 0.190 | 51.16 | 54.01 | -2.85** |
| 7 | 0.188 | 50.66 | 54.10 | -3.44** |
| 8 | 0.895 | 41.43 | 46.00 | -4.57** |
| 9 | 0.255 | 46.94 | 51.60 | -4.65** |
| 10 | 0.389 | 43.08 | 48.08 | -5.00** |
| 11 | 0.341 | 43.79 | 49.18 | -5.39** |
| 12 | 0.182 | 48.56 | 54.41 | -5.85** |
| 13 | 0.162 | 49.08 | 55.34 | -6.25** |
| 14 | 0.154 | 49.39 | 55.78 | -6.39** |
| 15 | 0.252 | 45.04 | 51.68 | -6.64** |
| 16 | 0.156 | 48.89 | 55.69 | -6.80** |
| 17 | 0.161 | 48.48 | 55.43 | -6.94** |
| 18 | 0.178 | 47.57 | 54.59 | -7.02** |
| 19 | 0.185 | 46.86 | 54.24 | -7.38** |
| 20 | 0.172 | 46.97 | 54.86 | -7.88** |
| 21 | 0.167 | 47.18 | 55.11 | -7.93** |
| 22 | 0.474 | 38.35 | 46.45 | -8.10** |
| 23 | 0.220 | 44.55 | 52.83 | -8.27** |
| 24 | 0.535 | 37.63 | 46.00 | -8.37** |
| 25 | 0.527 | 37.33 | 46.00 | -8.67** |
| 26 | 0.159 | 46.78 | 55.51 | -8.73** |
| 27 | 0.170 | 46.18 | 54.94 | -8.76** |
| 28 | 0.325 | 40.80 | 49.57 | -8.77** |
| 29 | 0.227 | 43.55 | 52.57 | -9.02** |
| 30 | 0.307 | 40.80 | 50.05 | -9.25** |
| 31 | 0.464 | 37.35 | 46.62 | -9.27** |
| 32 | 0.318 | 40.30 | 49.75 | -9.45** |
| 33 | 0.658 | 35.73 | 46.00 | -10.27** |
| 34 | 1.016 | 35.63 | 46.00 | -10.37 |
| 35 | 0.230 | 42.05 | 52.43 | -10.38** |
| 36 | 0.611 | 35.33 | 46.00 | -10.67** |
| 37 | 0.223 | 41.95 | 52.70 | -10.74** |
| 38 | 0.246 | 41.04 | 51.90 | -10.86** |
| 39 | 0.299 | 39.41 | 50.28 | -10.87** |
| 40 | 0.479 | 35.45 | 46.36 | -10.91** |
| 41 | 0.438 | 36.06 | 47.11 | -11.04** |
| 42 | 0.735 | 34.83 | 46.00 | -11.17** |
| 43 | 0.454 | 35.56 | 46.80 | -11.25** |
| 44 | 3.820 | 34.65 | 46.00 | -11.35 |
| 45 | 3.365 | 34.65 | 46.00 | -11.35 |

---

**Please See the Average Readings on the Next Page and on the Plot

04/29/14 14:43:25

FCC Class B - White Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - White Lead
WL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

---

45 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.00 dB, Curve : Average

| Peak# | Freq(MHz) | Amp(dBuV) | Limit(dB) | Delta(dB) |
|---|---|---|---|---|
| 1 | 0.641 | 39.30 | 46.00 | -6.70 |
| 2 | 0.831 | 37.94 | 46.00 | -8.06 |
| 3 | 0.899 | 35.88 | 46.00 | -10.12 |
| 4 | 0.153 | 35.60 | 55.82 | -20.22 |
| 5 | 0.155 | 35.11 | 55.73 | -20.62 |
| 6 | 0.739 | 25.24 | 46.00 | -20.76 |
| 7 | 0.164 | 34.09 | 55.25 | -21.16 |
| 8 | 0.162 | 34.11 | 55.34 | -21.22 |
| 9 | 0.169 | 33.55 | 55.03 | -21.48 |
| 10 | 0.180 | 32.70 | 54.50 | -21.80 |
| 11 | 0.198 | 31.87 | 53.71 | -21.84 |
| 12 | 0.201 | 31.56 | 53.58 | -22.02 |
| 13 | 0.204 | 31.41 | 53.44 | -22.03 |
| 14 | 0.190 | 31.65 | 54.01 | -22.36 |
| 15 | 0.186 | 31.82 | 54.19 | -22.37 |
| 16 | 0.651 | 23.56 | 46.00 | -22.44 |
| 17 | 0.269 | 28.21 | 51.15 | -22.95 |
| 18 | 0.567 | 22.97 | 46.00 | -23.03 |
| 19 | 0.530 | 22.81 | 46.00 | -23.19 |
| 20 | 0.535 | 22.81 | 46.00 | -23.19 |
| 21 | 0.541 | 22.81 | 46.00 | -23.19 |
| 22 | 0.788 | 22.81 | 46.00 | -23.19 |
| 23 | 0.521 | 22.74 | 46.00 | -23.26 |
| 24 | 0.265 | 27.99 | 51.29 | -23.29 |
| 25 | 0.867 | 22.66 | 46.00 | -23.34 |
| 26 | 0.476 | 23.06 | 46.40 | -23.35 |
| 27 | 0.516 | 22.51 | 46.00 | -23.49 |
| 28 | 0.260 | 27.92 | 51.42 | -23.51 |
| 29 | 0.469 | 22.99 | 46.53 | -23.54 |
| 30 | 0.662 | 22.42 | 46.00 | -23.58 |
| 31 | 0.929 | 22.42 | 46.00 | -23.58 |
| 32 | 0.508 | 22.34 | 46.00 | -23.66 |
| 33 | 0.589 | 22.33 | 46.00 | -23.67 |
| 34 | 0.679 | 22.33 | 46.00 | -23.67 |
| 35 | 0.705 | 22.33 | 46.00 | -23.67 |
| 36 | 0.724 | 22.33 | 46.00 | -23.67 |
| 37 | 0.805 | 22.33 | 46.00 | -23.67 |
| 38 | 0.948 | 22.25 | 46.00 | -23.75 |
| 39 | 0.492 | 22.34 | 46.14 | -23.80 |
| 40 | 0.404 | 23.94 | 47.77 | -23.82 |
| 41 | 0.258 | 27.65 | 51.51 | -23.86 |
| 42 | 0.400 | 23.94 | 47.86 | -23.91 |
| 43 | 0.219 | 28.84 | 52.87 | -24.03 |
| 44 | 0.396 | 23.88 | 47.95 | -24.06 |
| 45 | 0.457 | 22.68 | 46.76 | -24.07 |

---

# *BAND EDGES*

# *DATA SHEETS*

**FCC 15.249**

Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Vertical Polarization - Battery Power**

| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Z-Axis | 2405 | 93.53 | V | 114 | -20.47 | Peak | 1.25 | 155 | **Fundamental of** |
| Z-Axis | 2405 | 73.53 | V | 94 | -20.47 | Avg | 1.25 | 155 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2400 | 46.95 | V | 74 | -27.05 | Peak | 1.25 | 155 | **Band Edge of** |
| Z-Axis | 2400 | 26.95 | V | 54 | -27.05 | Avg | 1.25 | 155 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2480 | 95.83 | V | 114 | -18.17 | Peak | 1.25 | 135 | **Fundamental of** |
| Z-Axis | 2480 | 75.83 | V | 94 | -18.17 | Avg | 1.25 | 135 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2483.5 | 62.07 | V | 74 | -11.93 | Peak | 1.25 | 135 | **Band Edge of** |
| Z-Axis | 2483.5 | 42.07 | V | 54 | -11.93 | Avg | 1.25 | 135 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

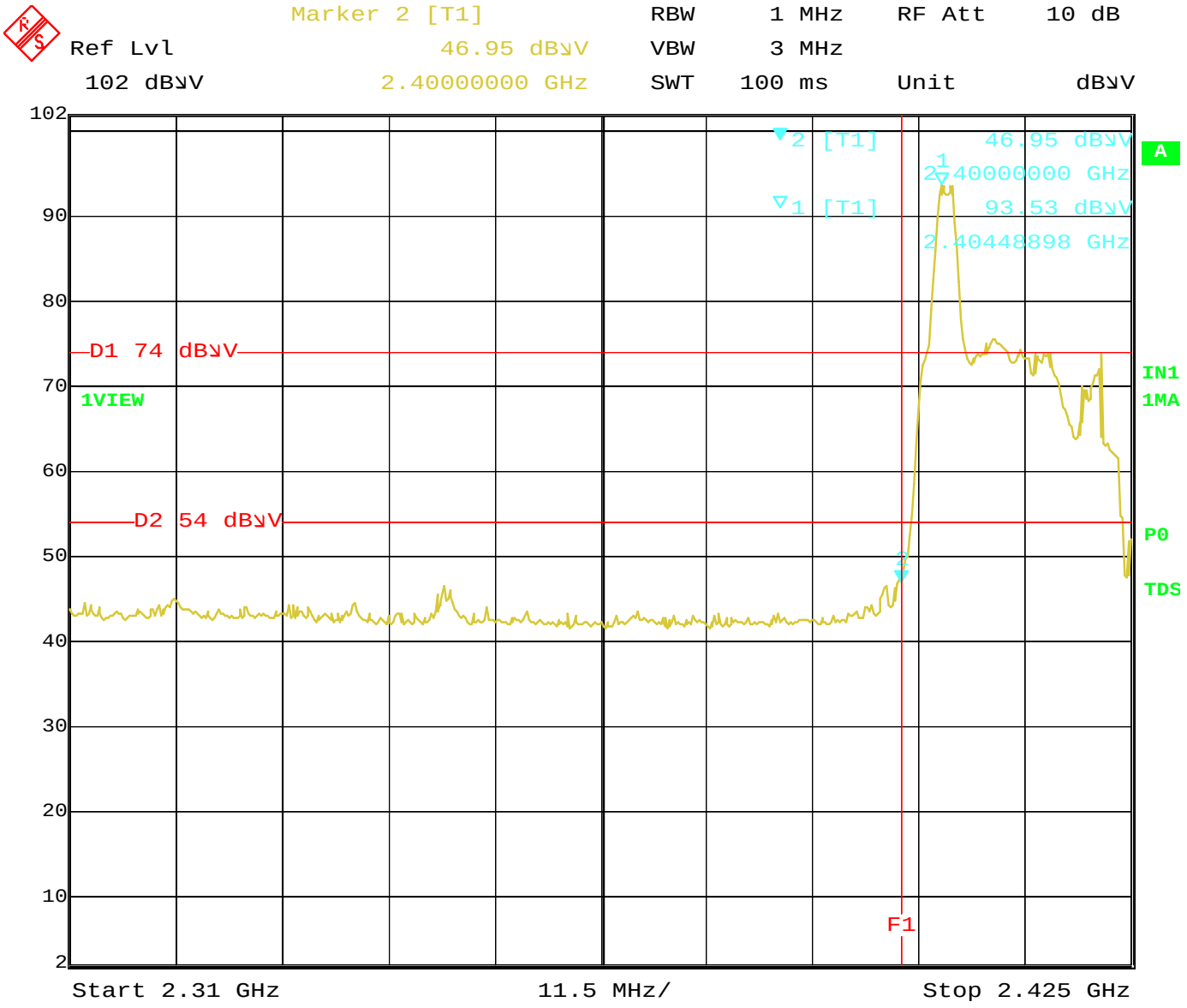
**FCC 15.249**

Telkonet, Inc.
EcoContact
Model: PST6250

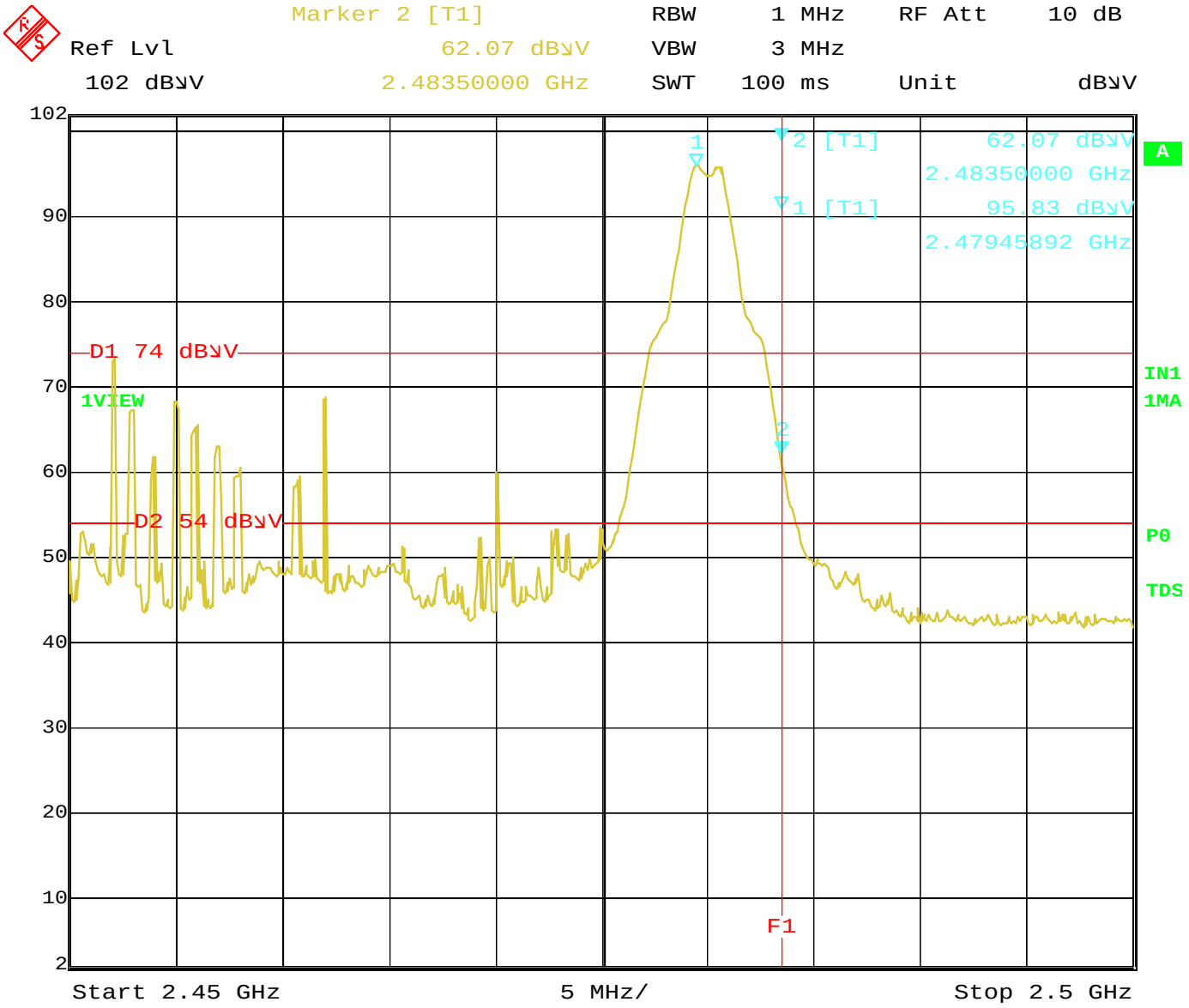
Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Horizontal Polarization - Battery Power**

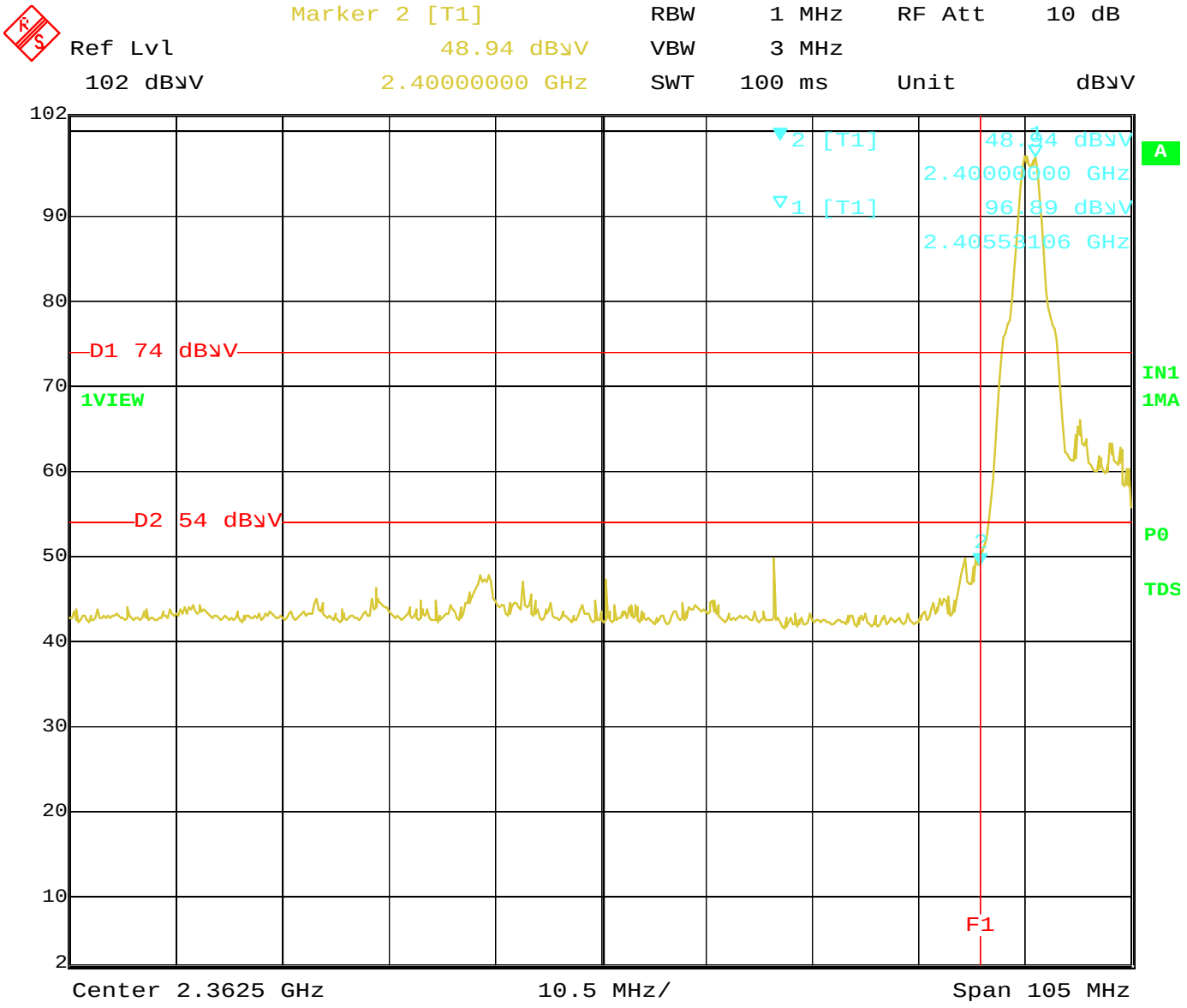
| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Z-Axis | 2405 | 96.89 | H | 114 | -17.11 | Peak | 1.25 | 155 | **Fundamental of** |
| Z-Axis | 2405 | 76.89 | H | 94 | -17.11 | Avg | 1.25 | 155 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2400 | 48.94 | H | 74 | -25.06 | Peak | 1.25 | 155 | **Band Edge of** |
| Z-Axis | 2400 | 28.94 | H | 54 | -25.06 | Avg | 1.25 | 155 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2480 | 95.65 | H | 114 | -18.35 | Peak | 1.25 | 155 | **Fundamental of** |
| Z-Axis | 2480 | 75.65 | H | 94 | -18.35 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2483.5 | 61.56 | H | 74 | -12.44 | Peak | 1.25 | 155 | **Band Edge of** |
| Z-Axis | 2483.5 | 41.56 | H | 54 | -12.44 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |



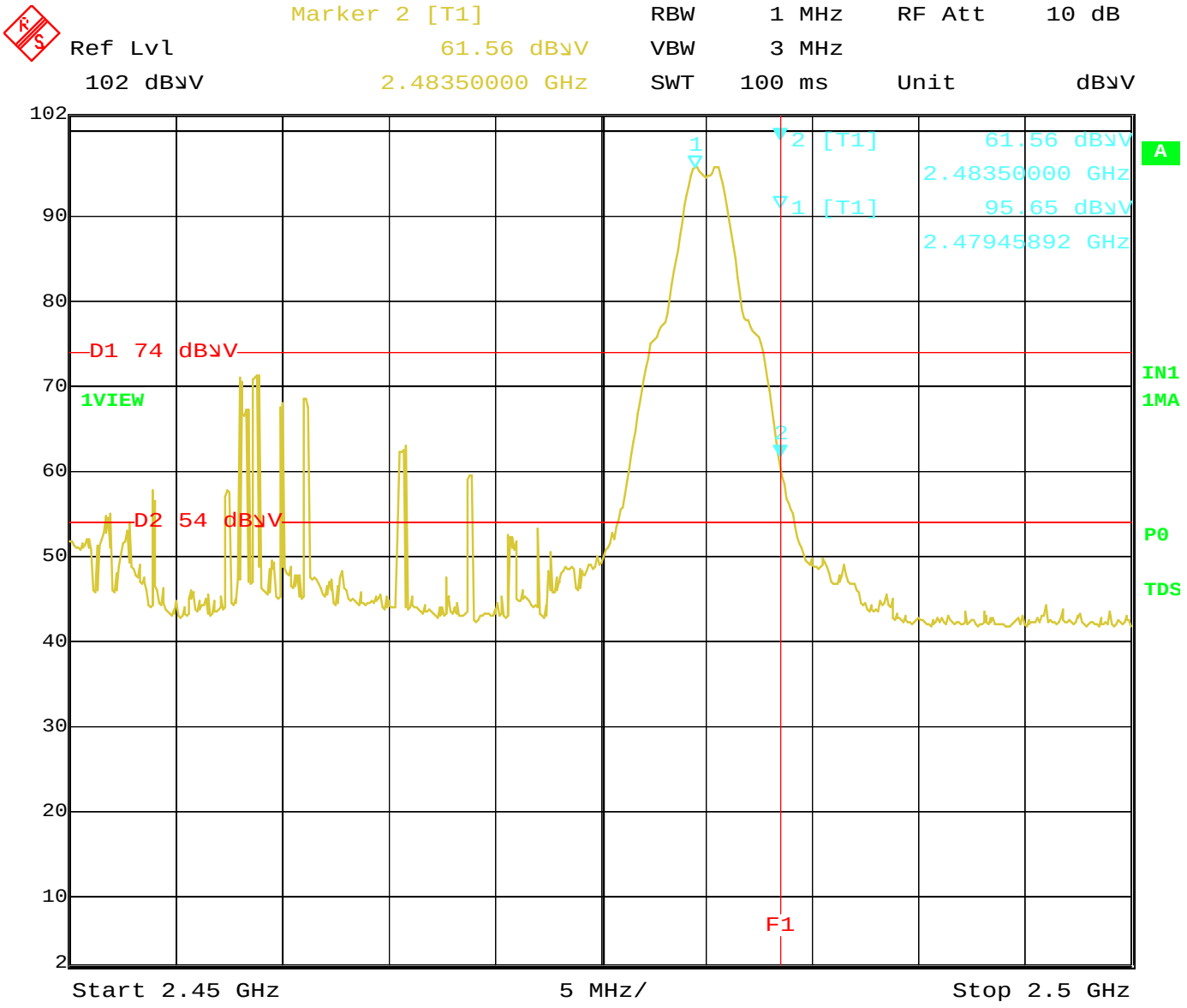

Band Edge – Low Channel – Vertical Polarization – Battery Power – Z-Axis – EcoContact




Band Edge – High Channel – Vertical Polarization – Battery Power – Z-Axis – EcoContact




Band Edge – Low Channel – Horizontal Polarization – Battery Power – Z-Axis – EcoContact




Date: 25.APR.2014 07:45:35

Band Edge – High Channel – Horizontal Polarization – Battery Power – Z-Axis – EcoContact

**FCC 15.249**

Telkonet, Inc.
EcoContact
Model: PST6250

Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Vertical Polarization - Thermostat Power**

| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Z-Axis | 2405 | 96.21 | V | 114 | -17.79 | Peak | 1.25 | 180 | **Fundamental of** |
| Z-Axis | 2405 | 76.21 | V | 94 | -17.79 | Avg | 1.25 | 180 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2400 | 49.71 | V | 74 | -24.29 | Peak | 1.35 | 180 | **Band Edge of** |
| Z-Axis | 2400 | 29.71 | V | 54 | -24.29 | Avg | 1.35 | 180 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2480 | 96.28 | V | 114 | -17.72 | Peak | 1.25 | 180 | **Fundamental of** |
| Y-Axis | 2480 | 76.28 | V | 94 | -17.72 | Avg | 1.25 | 180 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2483.5 | 62.23 | V | 74 | -11.77 | Peak | 1.25 | 180 | **Band Edge of** |
| Y-Axis | 2483.5 | 42.23 | V | 54 | -11.77 | Avg | 1.25 | 180 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

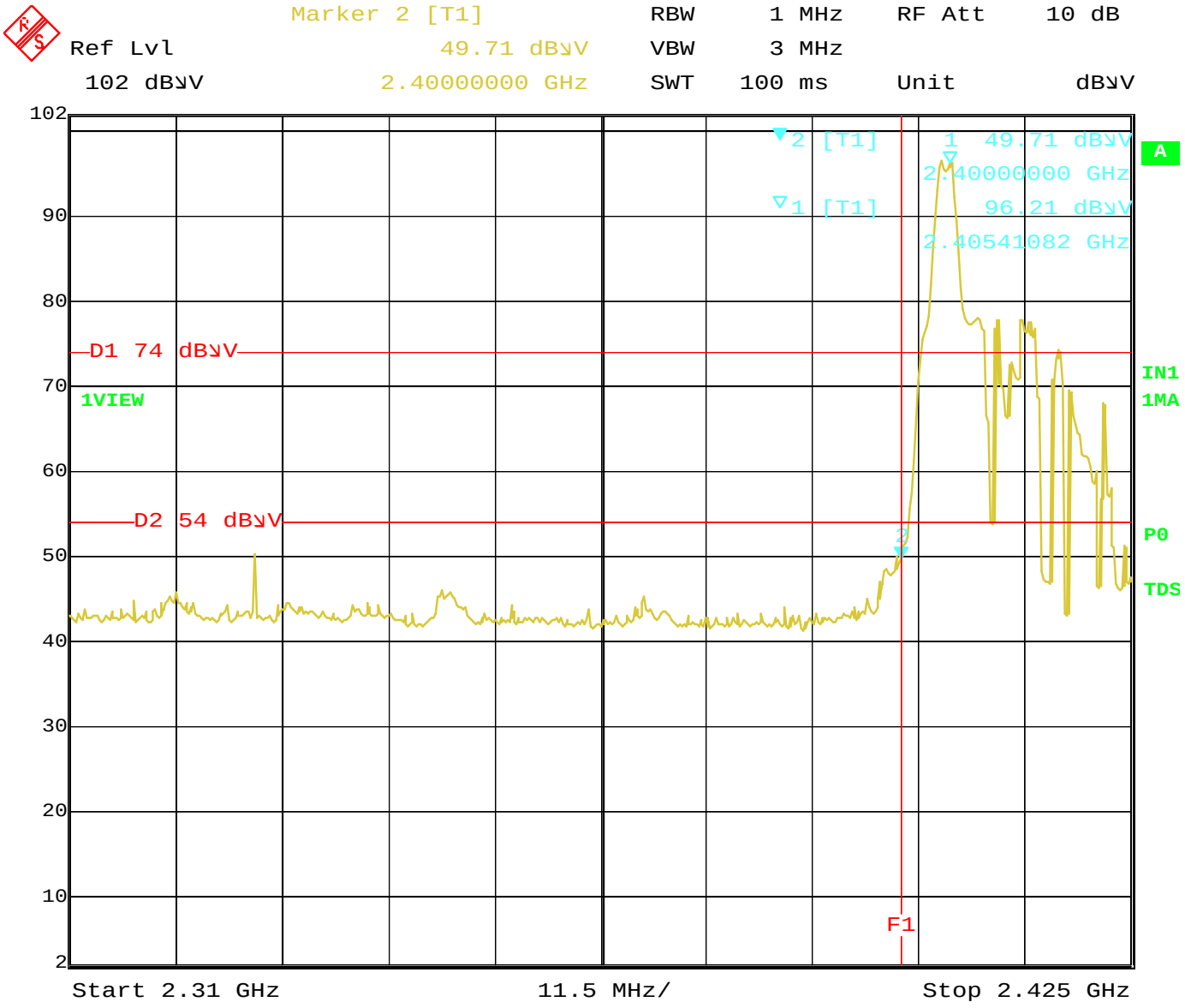
**FCC 15.249**

Telkonet, Inc.
EcoContact
Model: PST6250

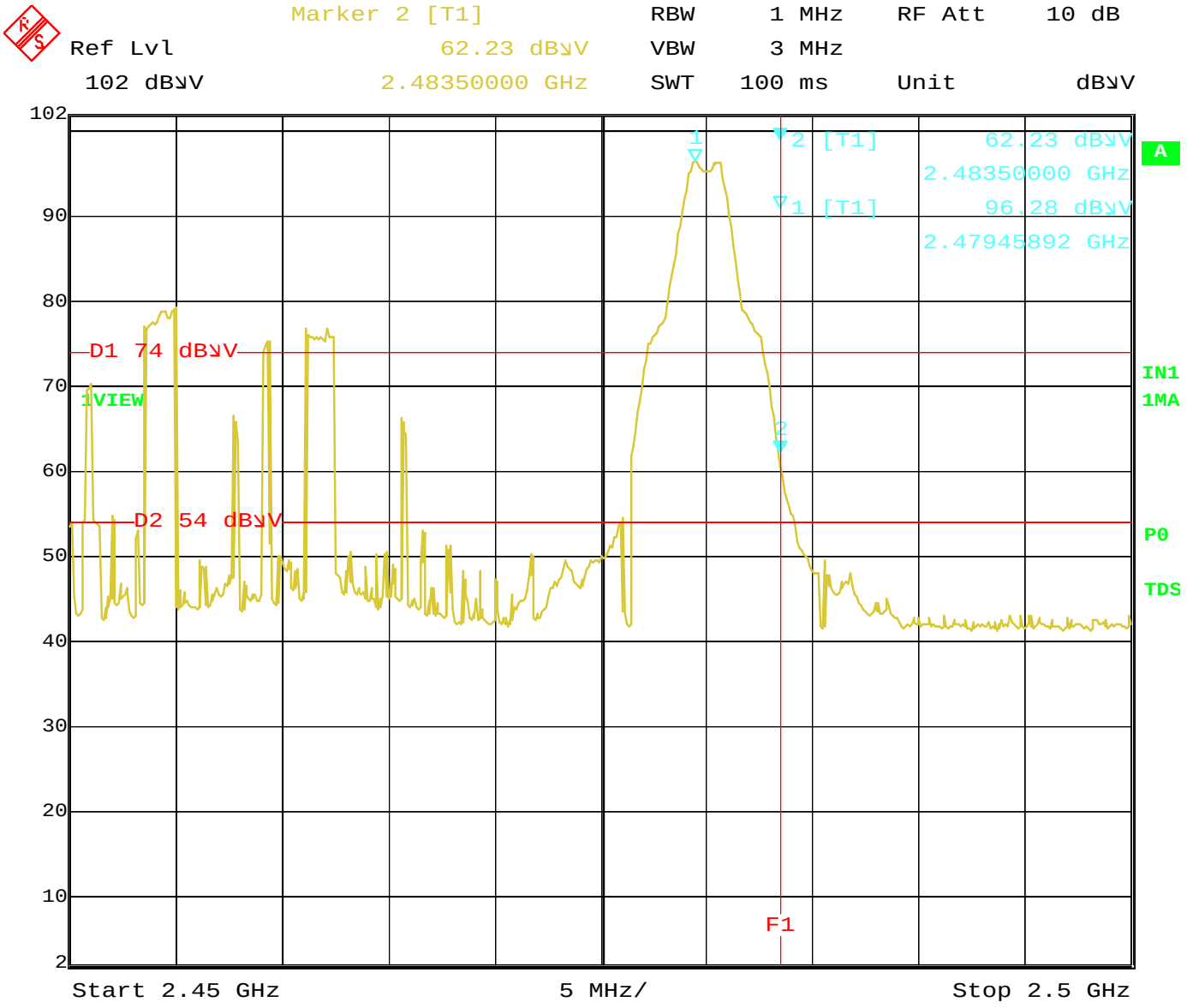
Date: 04/25/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Horizontal Polarization - Thermostat Power**

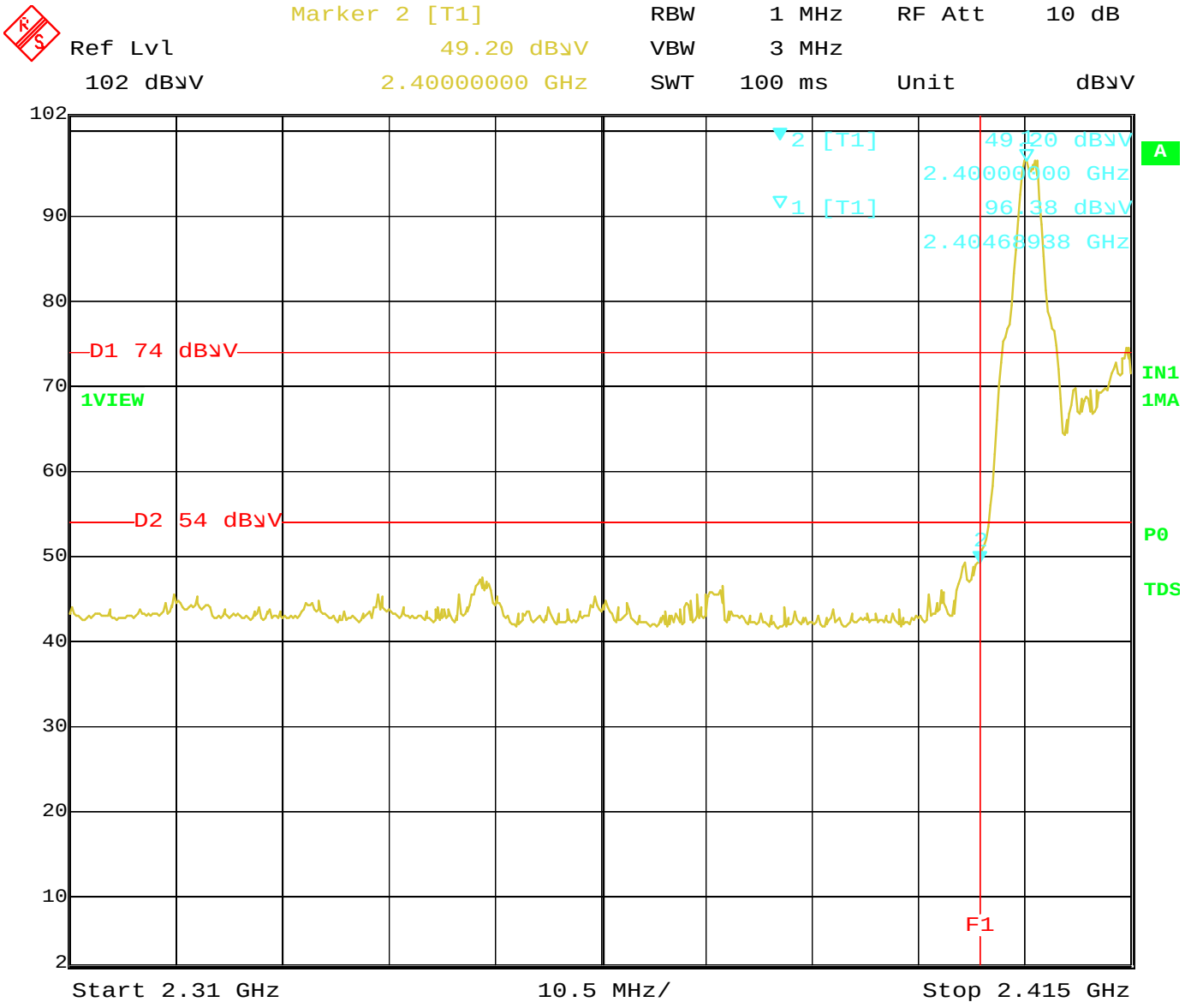
| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Z-Axis | 2405 | 96.38 | H | 114 | -17.62 | Peak | 1.25 | 225 | **Fundamental of** |
| Z-Axis | 2405 | 76.38 | H | 94 | -17.62 | Avg | 1.25 | 225 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2400 | 49.2 | H | 74 | -24.8 | Peak | 1.25 | 225 | **Band Edge of** |
| Z-Axis | 2400 | 29.2 | H | 54 | -24.8 | Avg | 1.25 | 225 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2480 | 95.65 | H | 114 | -18.35 | Peak | 1.25 | 155 | **Fundamental of** |
| Z-Axis | 2480 | 75.65 | H | 94 | -18.35 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| Z-Axis | 2483.5 | 61.56 | H | 74 | -12.44 | Peak | 1.25 | 155 | **Band Edge of** |
| Z-Axis | 2483.5 | 41.56 | H | 54 | -12.44 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |



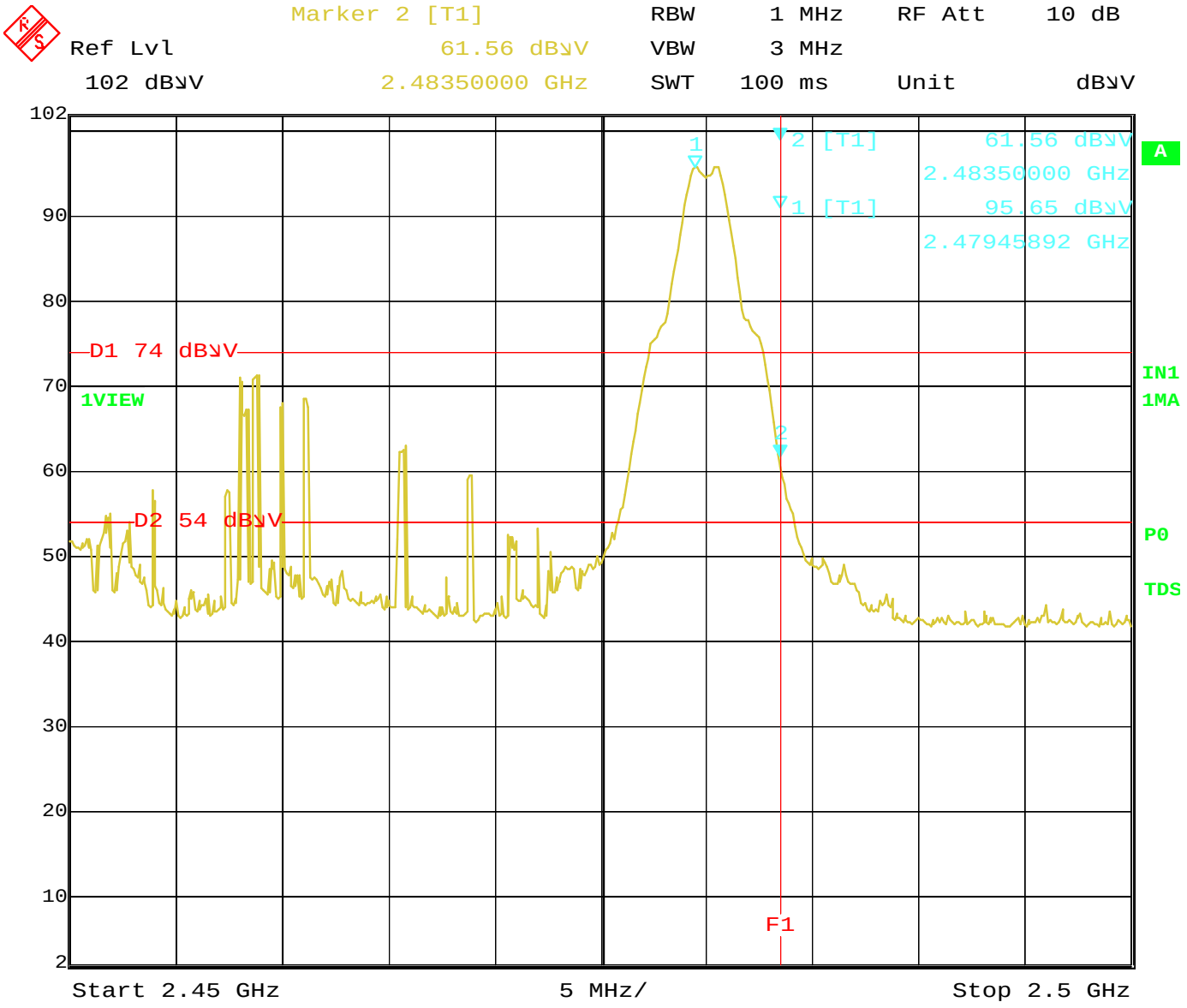

Band Edge – Low Channel – Vertical Polarization – Thermostat Power – Z-Axis – EcoContact




Band Edge – High Channel – Vertical Polarization – Thermostat Power – Y-Axis – EcoContact




Band Edge – Low Channel – Horizontal Polarization – Thermostat Power – Z-Axis – EcoContact




Band Edge – High Channel – Horizontal Polarization – Thermostat Power – Z-Axis – EcoContact

**FCC 15.249**

Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Vertical Polarization - Battery Power**

| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Y-Axis | 2405 | 94.74 | V | 114 | -19.26 | Peak | 1.25 | 135 | **Fundamental of** |
| Y-Axis | 2405 | 74.74 | V | 94 | -19.26 | Avg | 1.25 | 135 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2400 | 50.04 | V | 74 | -23.96 | Peak | 1.25 | 135 | **Band Edge of** |
| Y-Axis | 2400 | 30.04 | V | 54 | -23.96 | Avg | 1.25 | 135 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| X-Axis | 2480 | 93.09 | V | 114 | -20.91 | Peak | 1.25 | 155 | **Fundamental of** |
| X-Axis | 2480 | 73.09 | V | 94 | -20.91 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| X-Axis | 2483.5 | 59.85 | V | 74 | -14.15 | Peak | 1.25 | 155 | **Band Edge of** |
| X-Axis | 2483.5 | 39.85 | V | 54 | -14.15 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

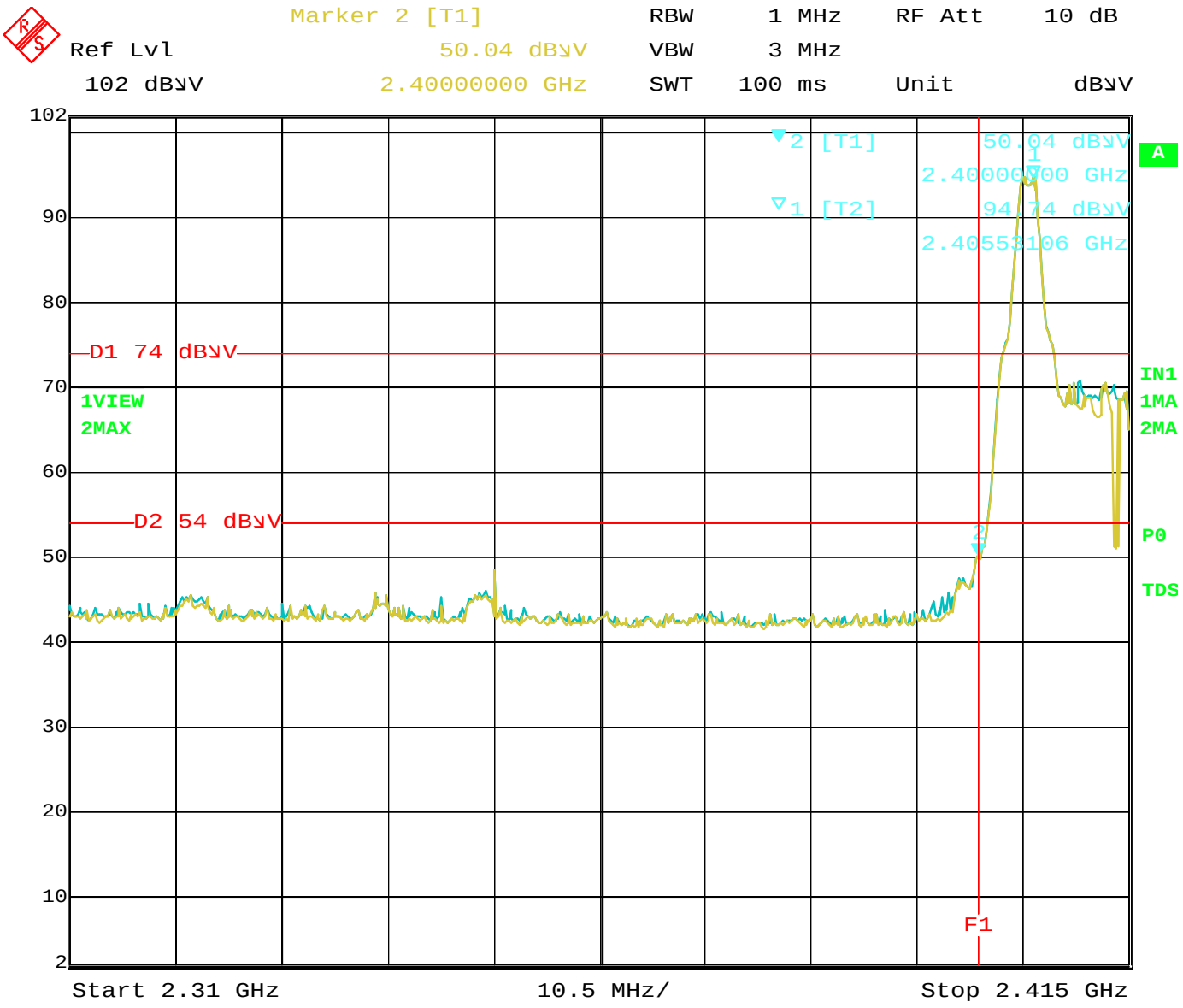
**FCC 15.249**

Telkonet, Inc.
EcoView
Model: PST6200

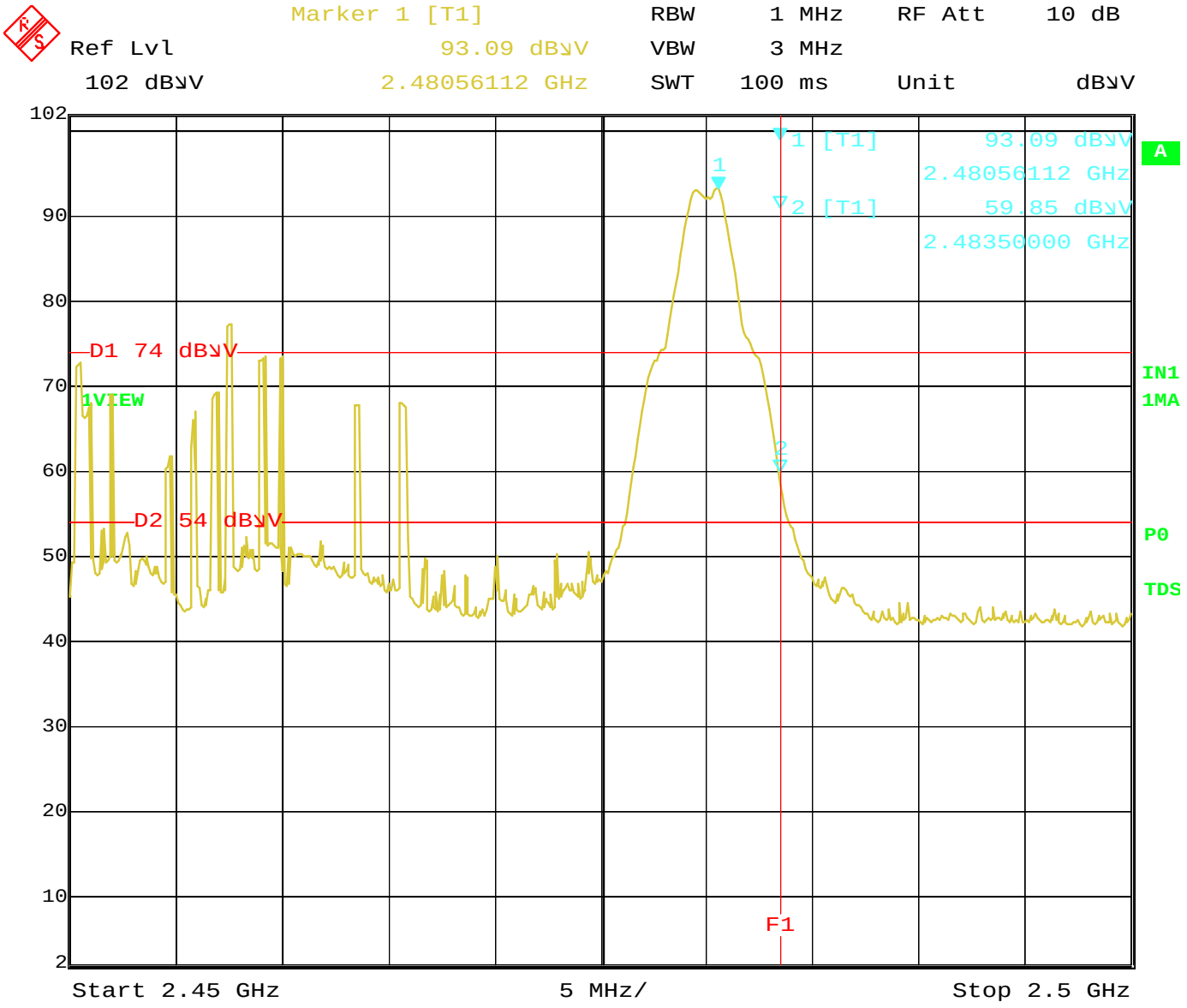
Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Vertical Polarization - Battery Power**

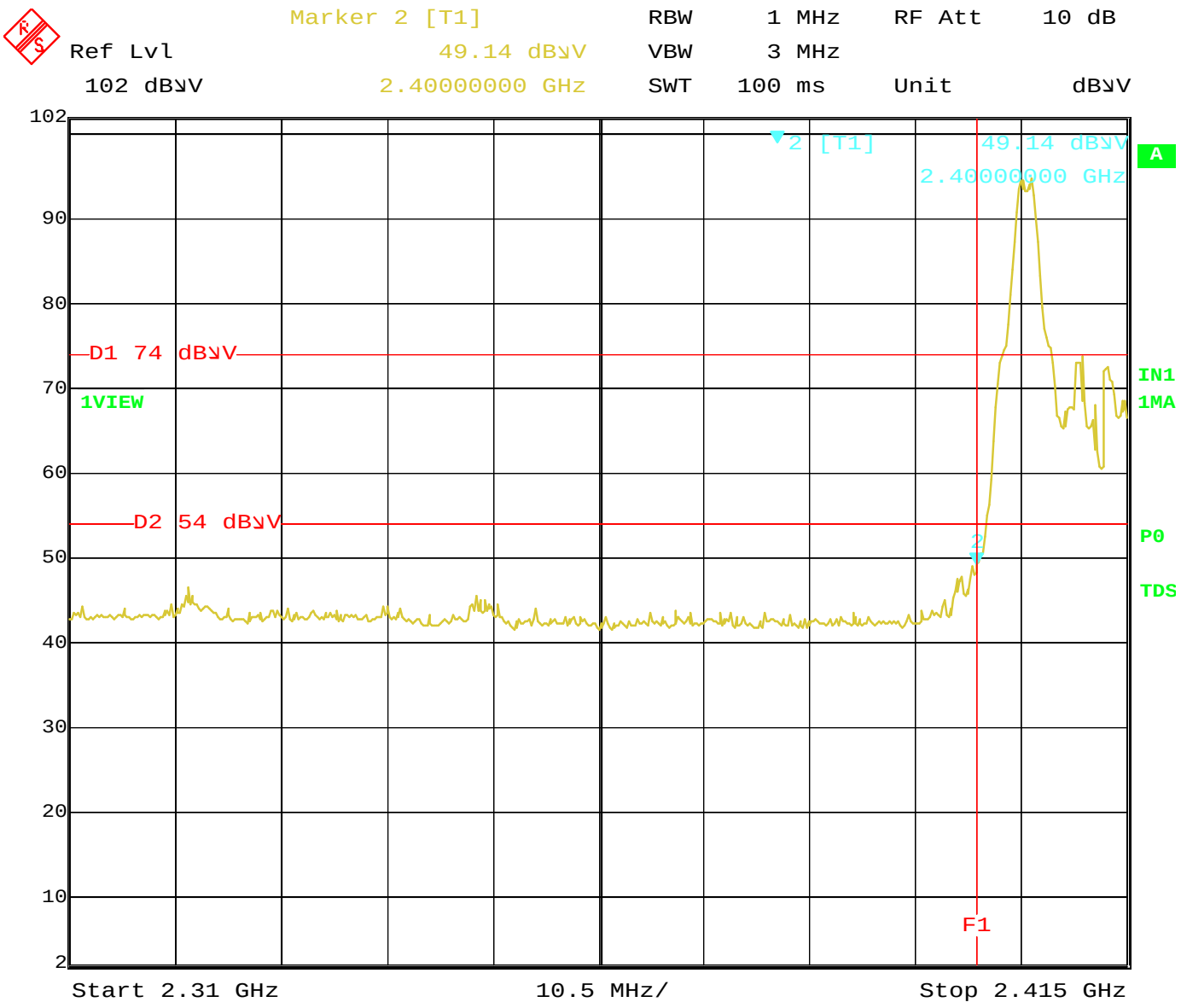
| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| X-Axis | 2405 | 94.52 | H | 114 | -19.48 | Peak | 1.25 | 135 | **Fundamental of** |
| X-Axis | 2405 | 74.52 | H | 94 | -19.48 | Avg | 1.25 | 135 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| X-Axis | 2400 | 49.14 | H | 74 | -24.86 | Peak | 1.25 | 135 | **Band Edge of** |
| X-Axis | 2400 | 29.14 | H | 54 | -24.86 | Avg | 1.25 | 135 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| X-Axis | 2480 | 96.35 | H | 114 | -17.65 | Peak | 1.25 | 155 | **Fundamental of** |
| X-Axis | 2480 | 76.35 | H | 94 | -17.65 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| X-Axis | 2483.5 | 63.28 | H | 74 | -10.72 | Peak | 1.25 | 155 | **Band Edge of** |
| X-Axis | 2483.5 | 43.28 | H | 54 | -10.72 | Avg | 1.25 | 155 | **High Channel @ 3 Meters** |



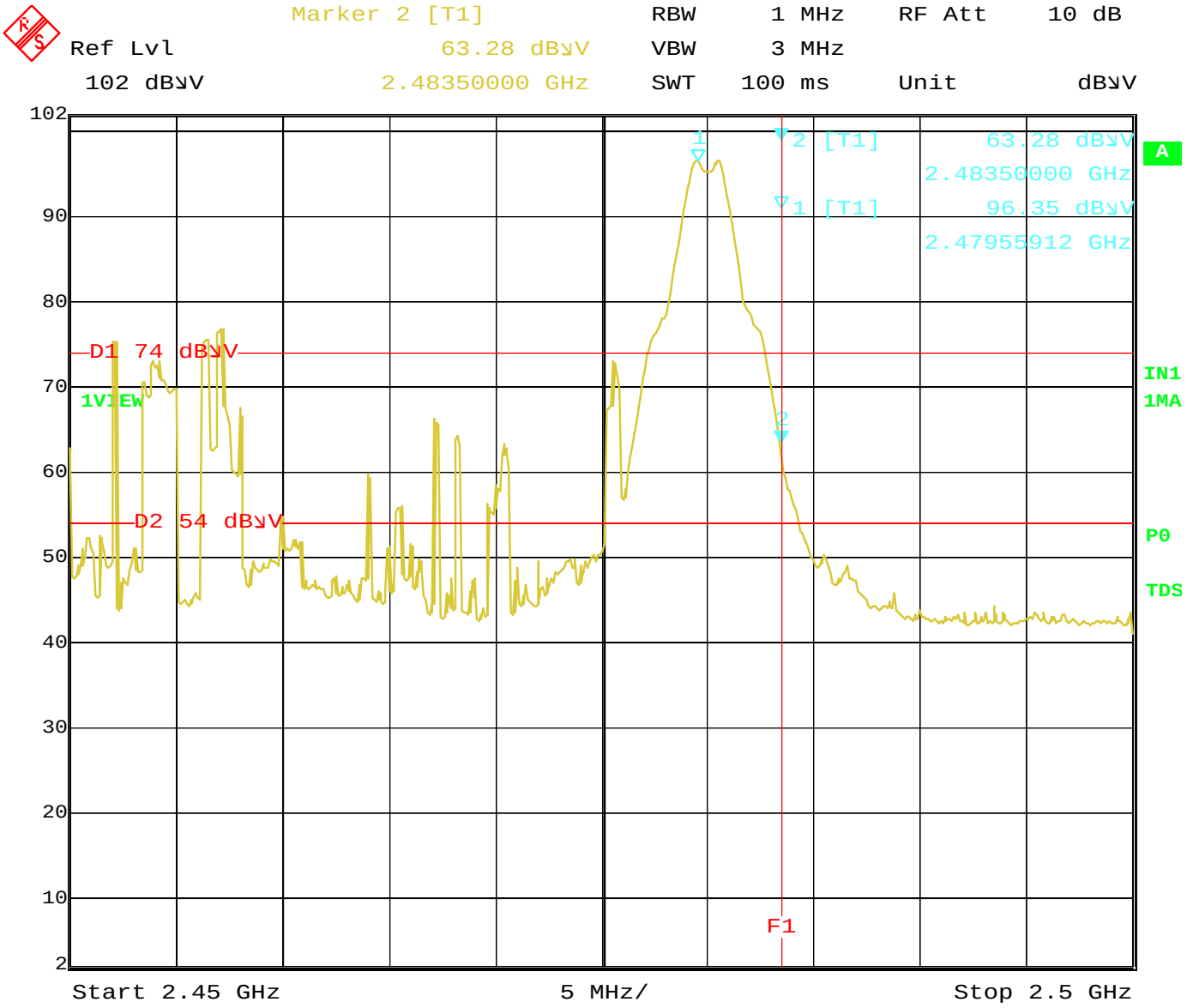

Band Edge – Low Channel – Vertical Polarization – Battery Power – Y-Axis – EcoView




Band Edge – High Channel – Vertical Polarization – Battery Power – X-Axis – EcoView




Band Edge – Low Channel – Horizontal Polarization – Battery Power – X-Axis – EcoView




Band Edge – High Channel – Horizontal Polarization – Battery Power – X-Axis – EcoView

**FCC 15.249**

Telkonet, Inc.
EcoView
Model: PST6200

Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Vertical Polarization - Thermostat Power**

| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Y-Axis | 2405 | 93.21 | V | 114 | -20.79 | Peak | 1.5 | 180 | **Fundamental of** |
| Y-Axis | 2405 | 73.21 | V | 94 | -20.79 | Avg | 1.5 | 180 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2400 | 47.65 | V | 74 | -26.35 | Peak | 1.5 | 180 | **Band Edge of** |
| Y-Axis | 2400 | 27.65 | V | 54 | -26.35 | Avg | 1.5 | 180 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2480 | 90.98 | V | 114 | -23.02 | Peak | 1.25 | 180 | **Fundamental of** |
| Y-Axis | 2480 | 70.98 | V | 94 | -23.02 | Avg | 1.25 | 180 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2483.5 | 57.08 | V | 74 | -16.92 | Peak | 1.25 | 180 | **Band Edge of** |
| Y-Axis | 2483.5 | 37.08 | V | 54 | -16.92 | Avg | 1.25 | 180 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

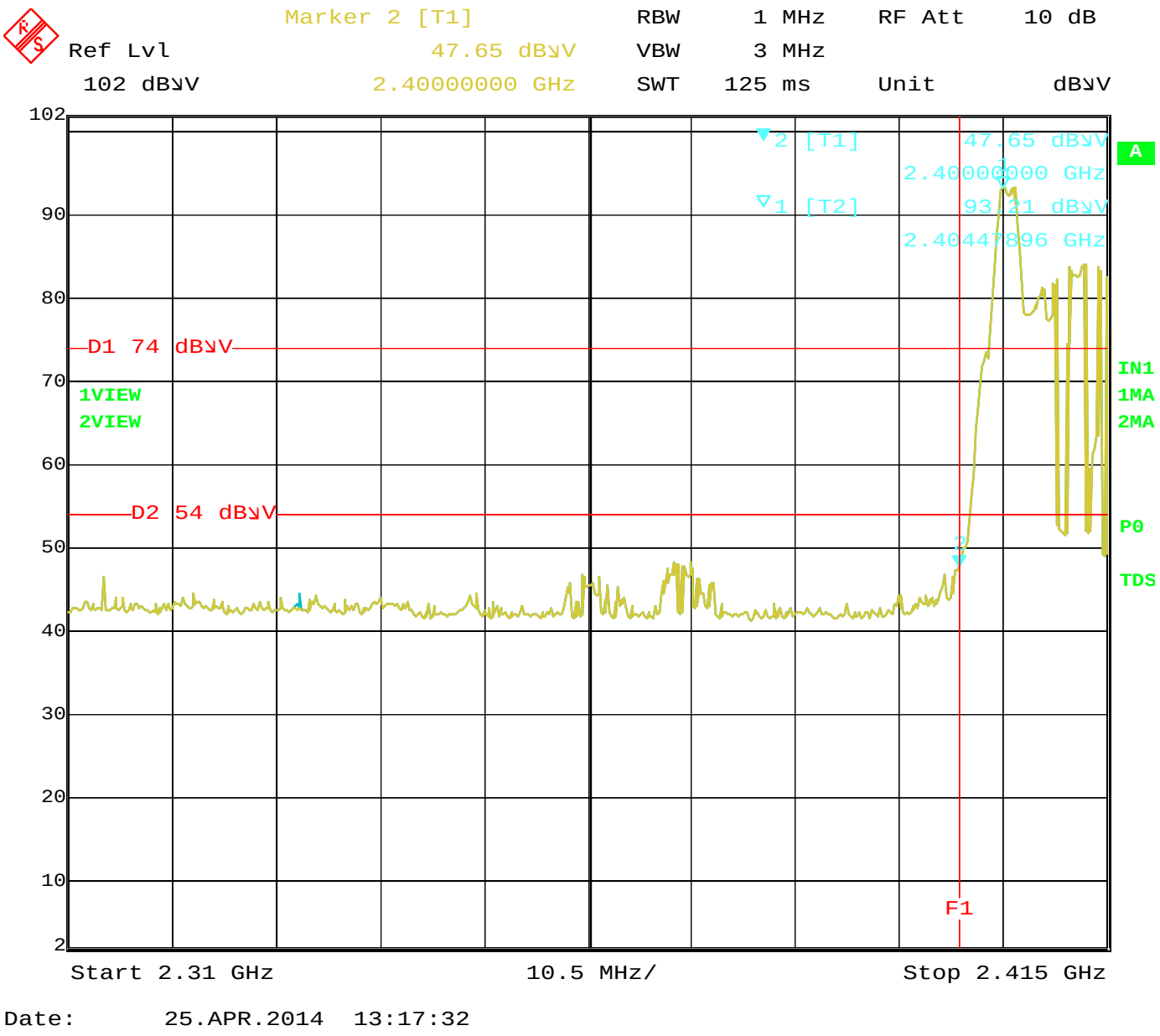
**FCC 15.249**

Telkonet, Inc.
EcoView
Model: PST6200

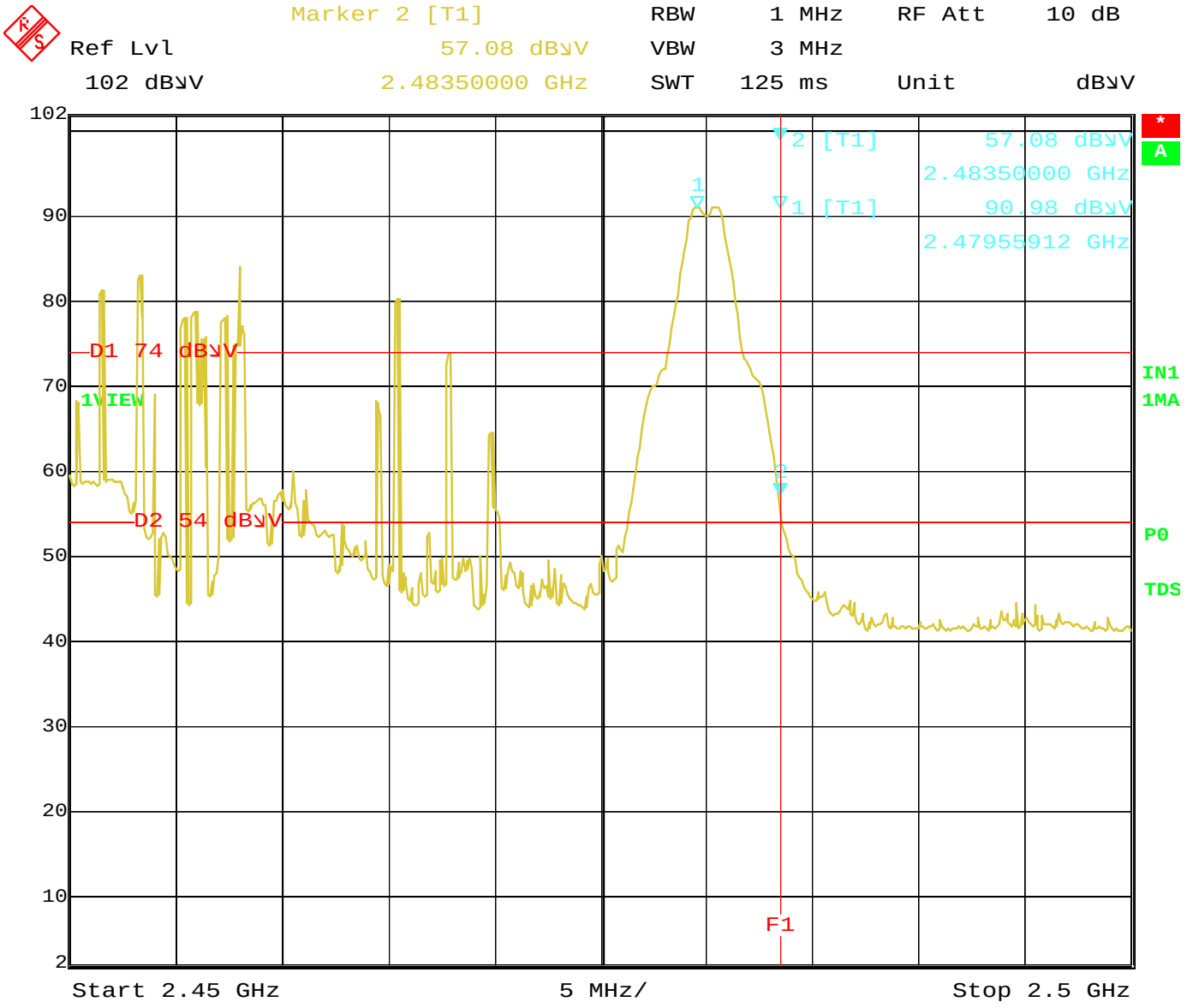
Date: 04/24/2014
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Vertical Polarization - Thermostat Power**

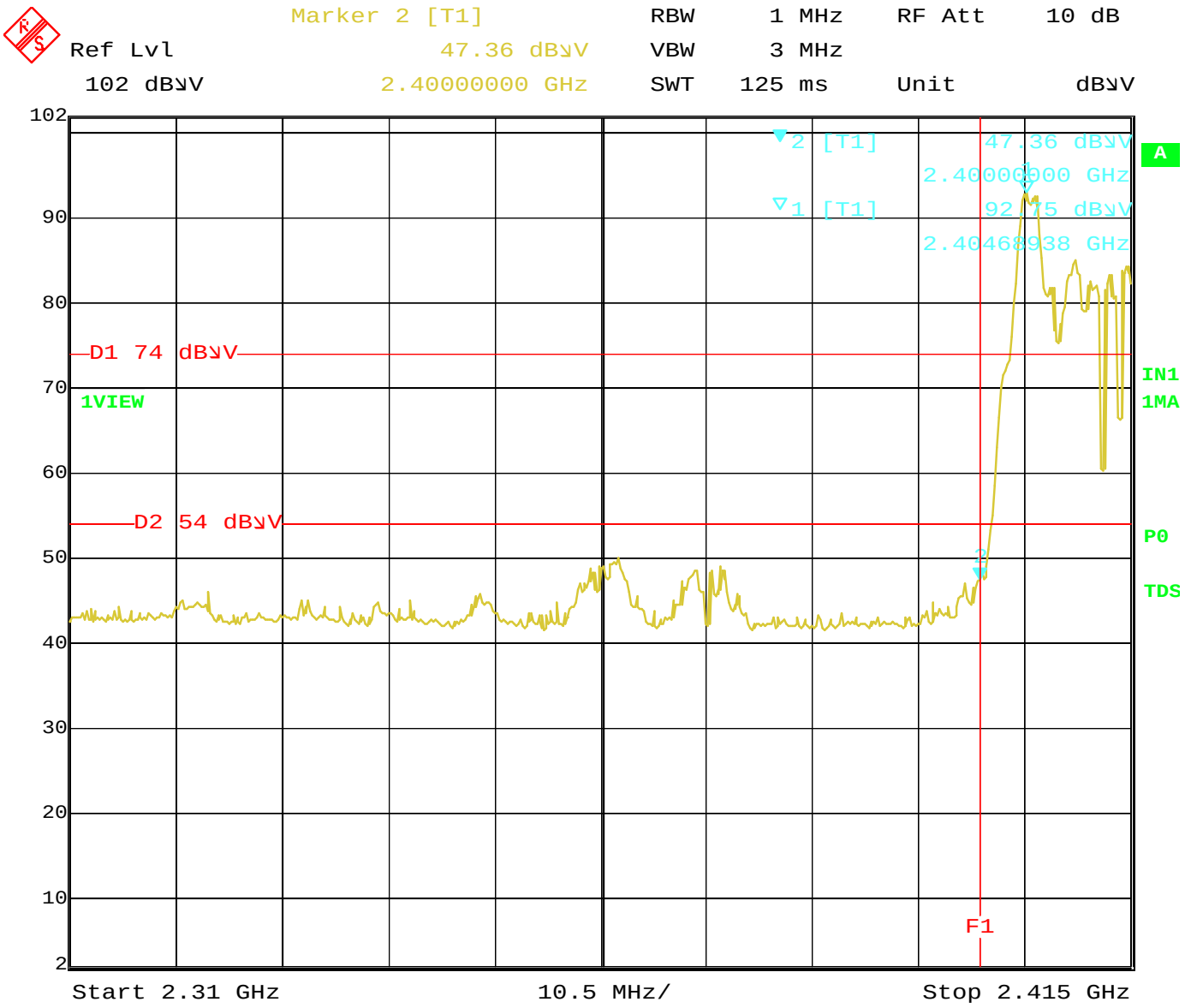
| Worst Case Axis of EUT | Freq. (MHz) | Level (dBuV) | Pol (v/h) | Limit | Margin | Peak / QP / Avg | Ant. Height (m) | Table Angle (deg) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Y-Axis | 2405 | 92.75 | H | 114 | -21.25 | Peak | 1.25 | 135 | **Fundamental of** |
| Y-Axis | 2405 | 72.75 | H | 94 | -21.25 | Avg | 1.25 | 135 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2400 | 47.36 | H | 74 | -26.64 | Peak | 1.25 | 135 | **Band Edge of** |
| Y-Axis | 2400 | 27.36 | H | 54 | -26.64 | Avg | 1.25 | 135 | **Low Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2480 | 94.88 | H | 114 | -19.12 | Peak | 1.25 | 165 | **Fundamental of** |
| Y-Axis | 2480 | 74.88 | H | 94 | -19.12 | Avg | 1.25 | 165 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| Y-Axis | 2483.5 | 61.45 | H | 74 | -12.55 | Peak | 1.25 | 165 | **Band Edge of** |
| Y-Axis | 2483.5 | 41.45 | H | 54 | -12.55 | Avg | 1.25 | 165 | **High Channel @ 3 Meters** |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



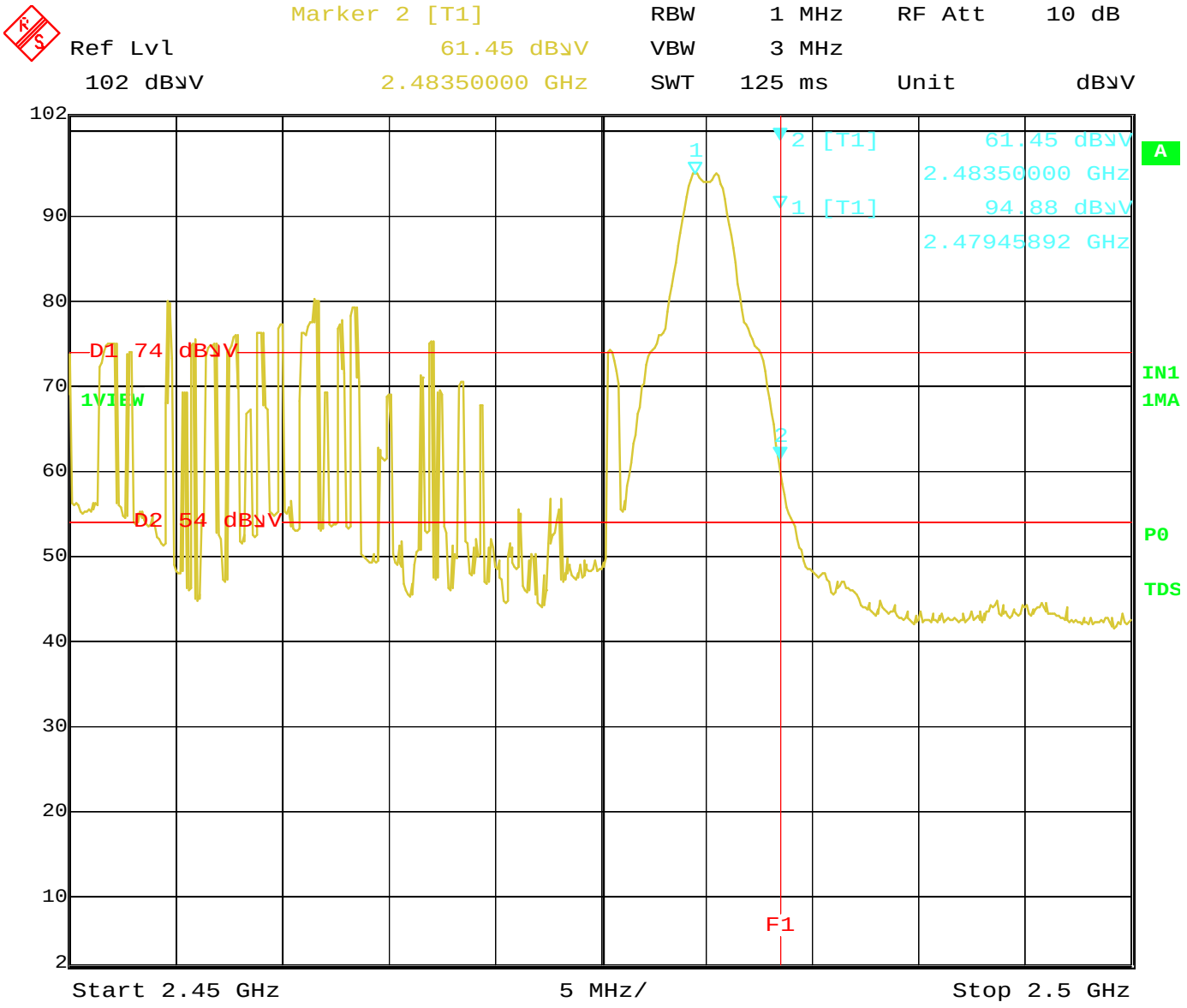

Band Edge – Low Channel – Vertical Polarization – Thermostat Power – Y-Axis – EcoView




Band Edge – High Channel – Vertical Polarization – Thermostat Power – Y-Axis – EcoView




Band Edge – Low Channel – Horizontal Polarization – Thermostat Power – Y-Axis – EcoView




Band Edge – High Channel – Horizontal Polarization – Thermostat Power – Y-Axis – EcoView