

*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

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DATE: AUGUST 8, 2014

	REPORT BODY	APPENDICES					TOTAL
		A	B	C	D	E	
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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
Models: PST6250 and PST6200
S/N: N/A

Product Description: See Expository Statement

Modifications: The EUT was not modified during the testing.

Customer: Telkonet, Inc.
10200 West Innovation Drive, Suite 300
Milwaukee, Wisconsin 53226

Test Dates: April 23, 24, 25, and 29, 2014

Test Specifications: EMI requirements
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 (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, 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 $20 \log(\text{dwell time} / 100 \text{ ms})$.

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

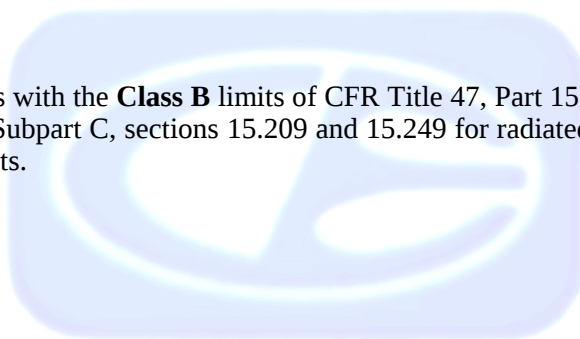
The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 2009. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a 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 -- EcoContactTable 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) -- EcoContactTable 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 -- EcoViewTable 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

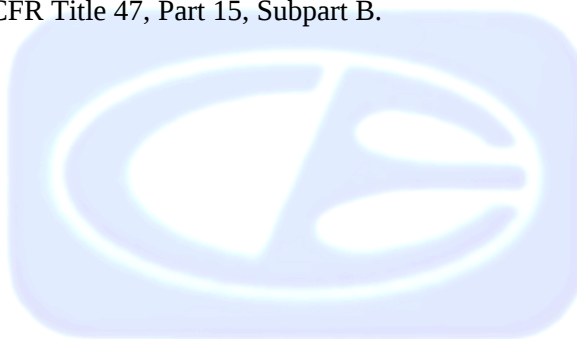
(V) Vertical

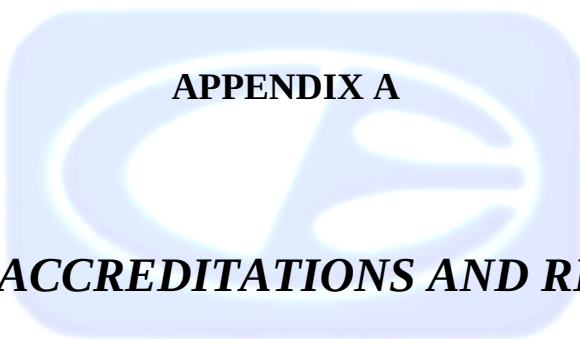
* The complete emissions data is given in Appendix E of this report.

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

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400

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>

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400

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

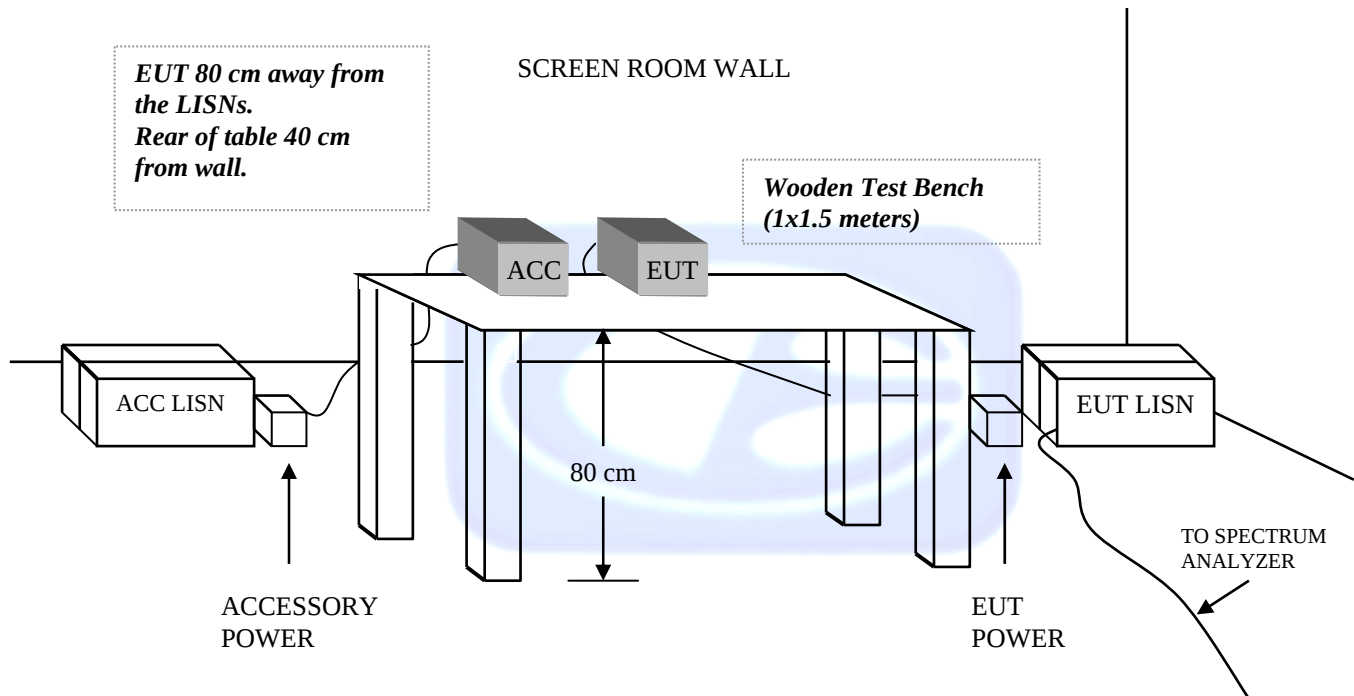
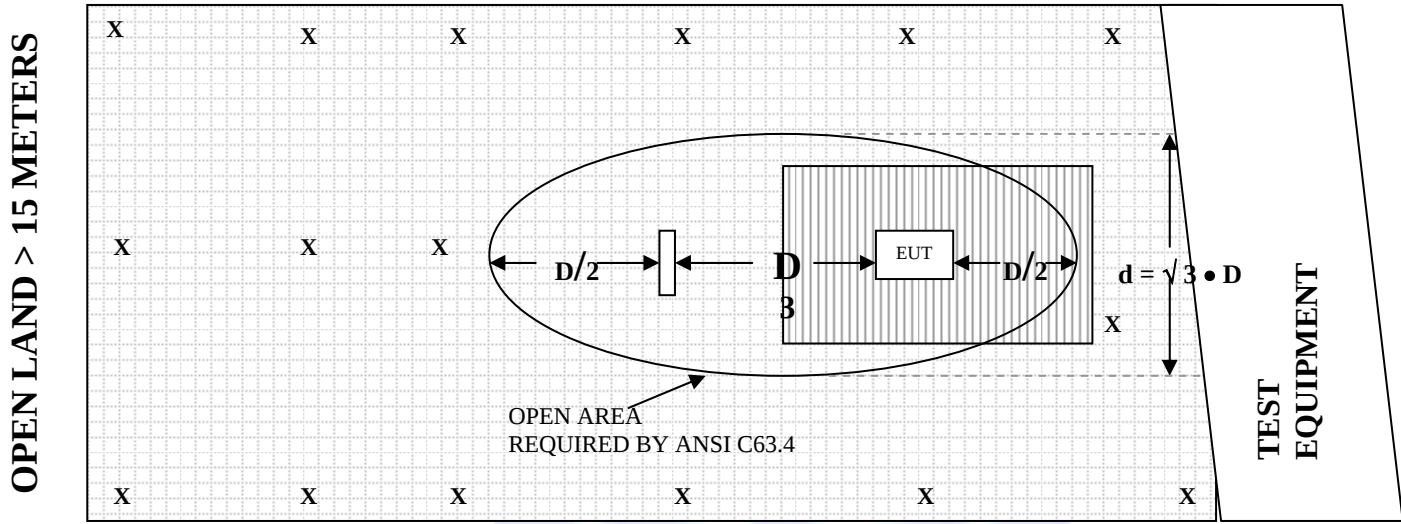
FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED SITE

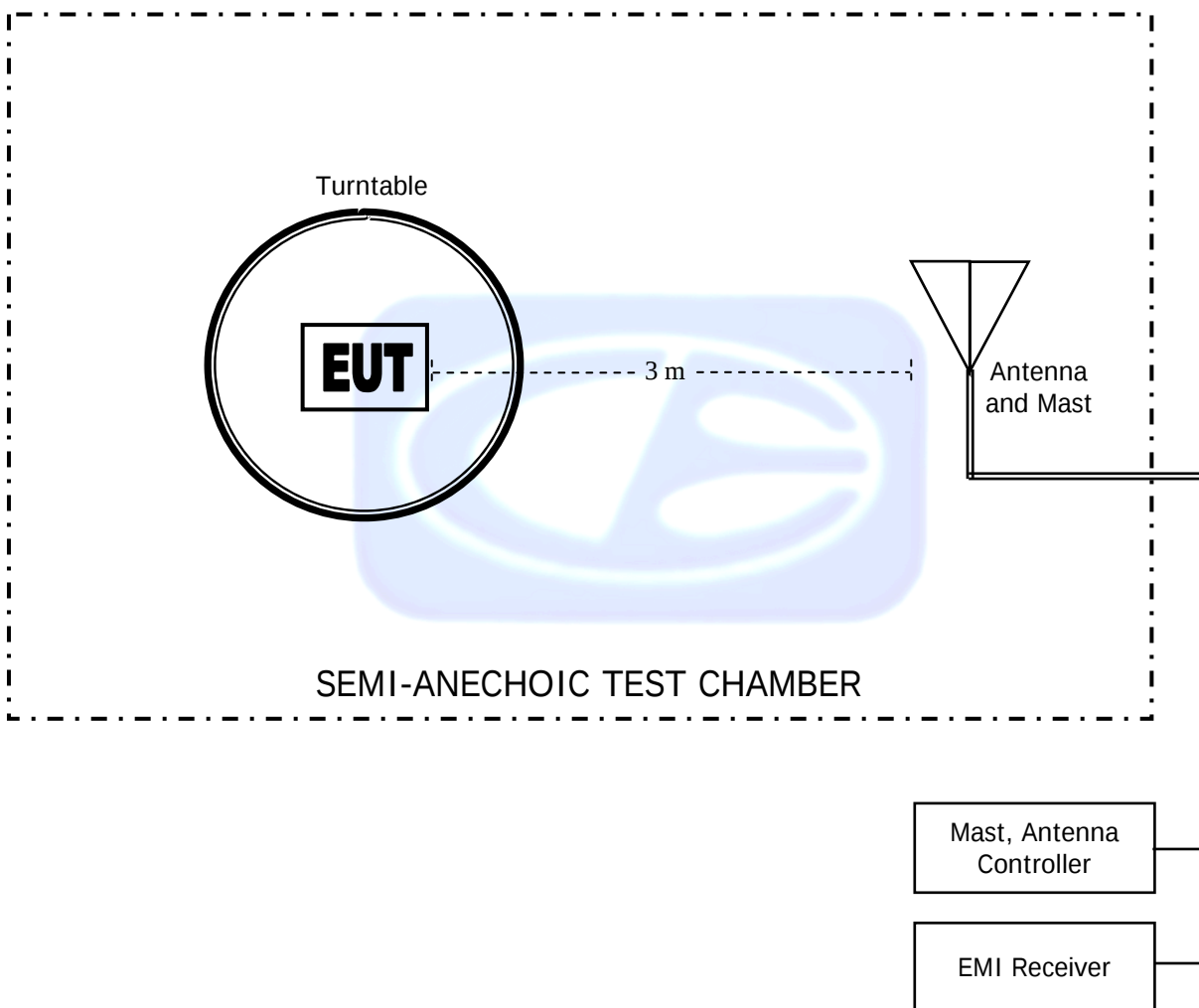
OPEN LAND > 15 METERS



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

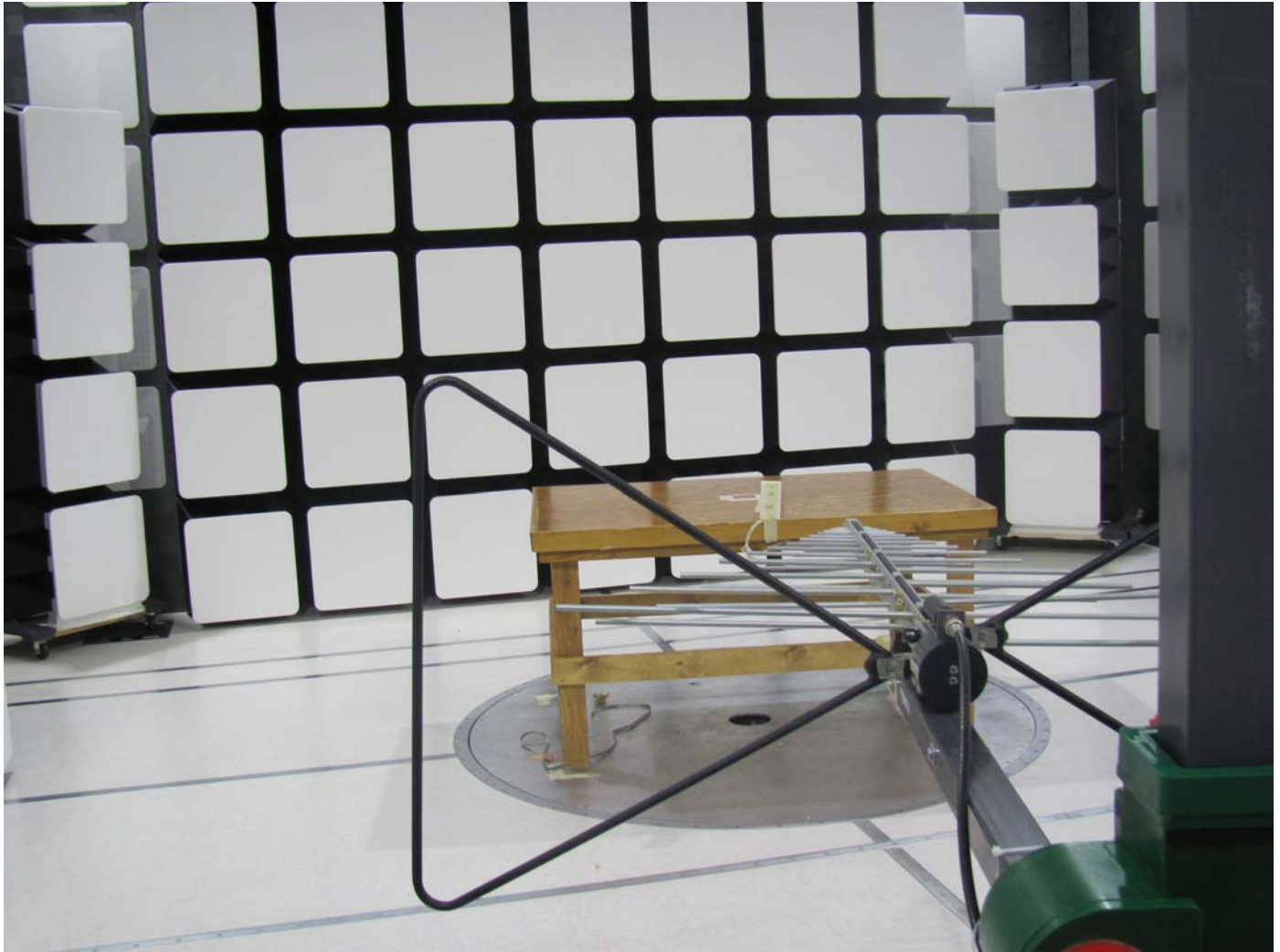
**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



REAR VIEW

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ECOCONTACT
MODEL: PST6250

FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – BATTERY POWER

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FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz – BATTERY POWER

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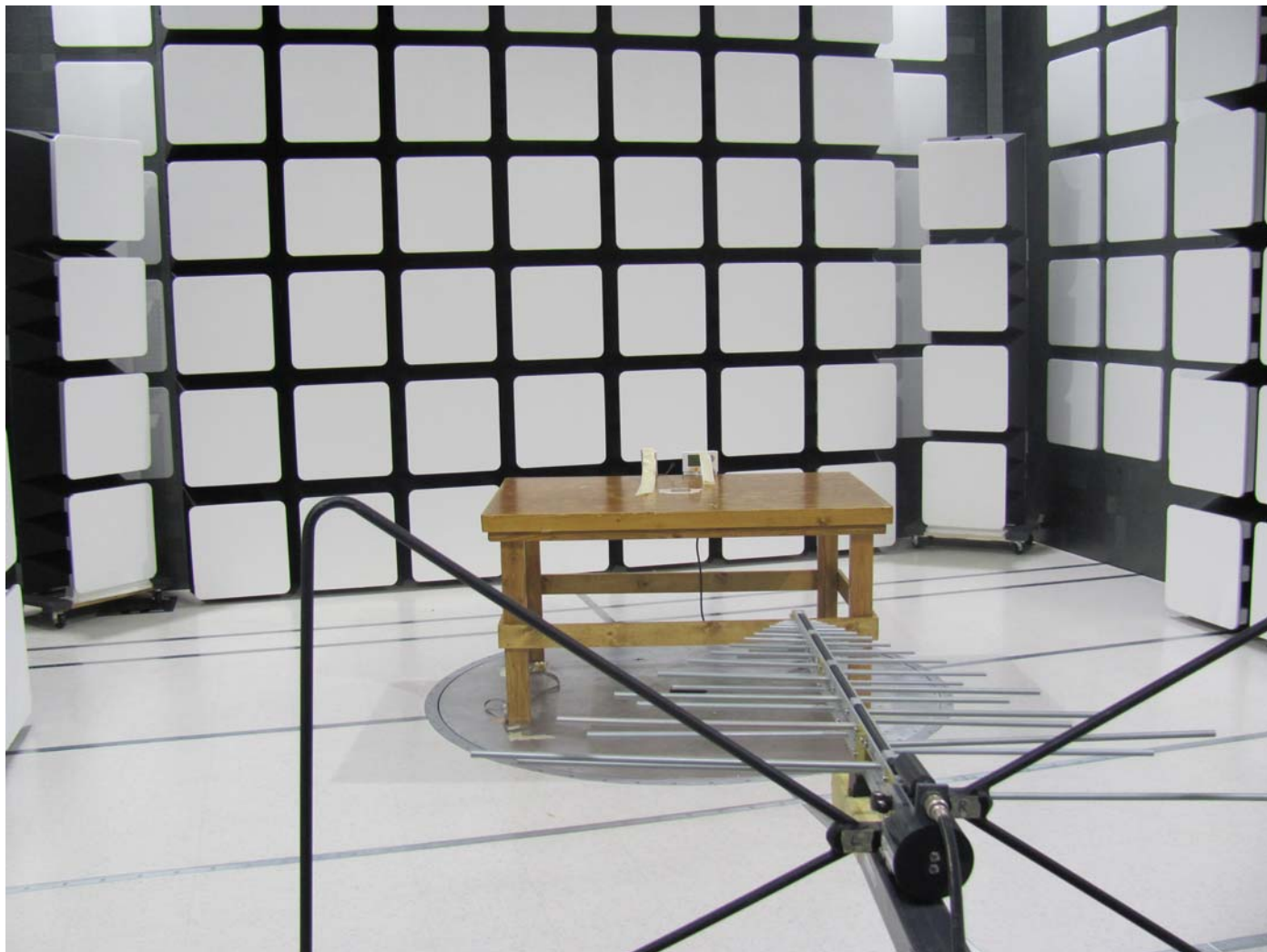
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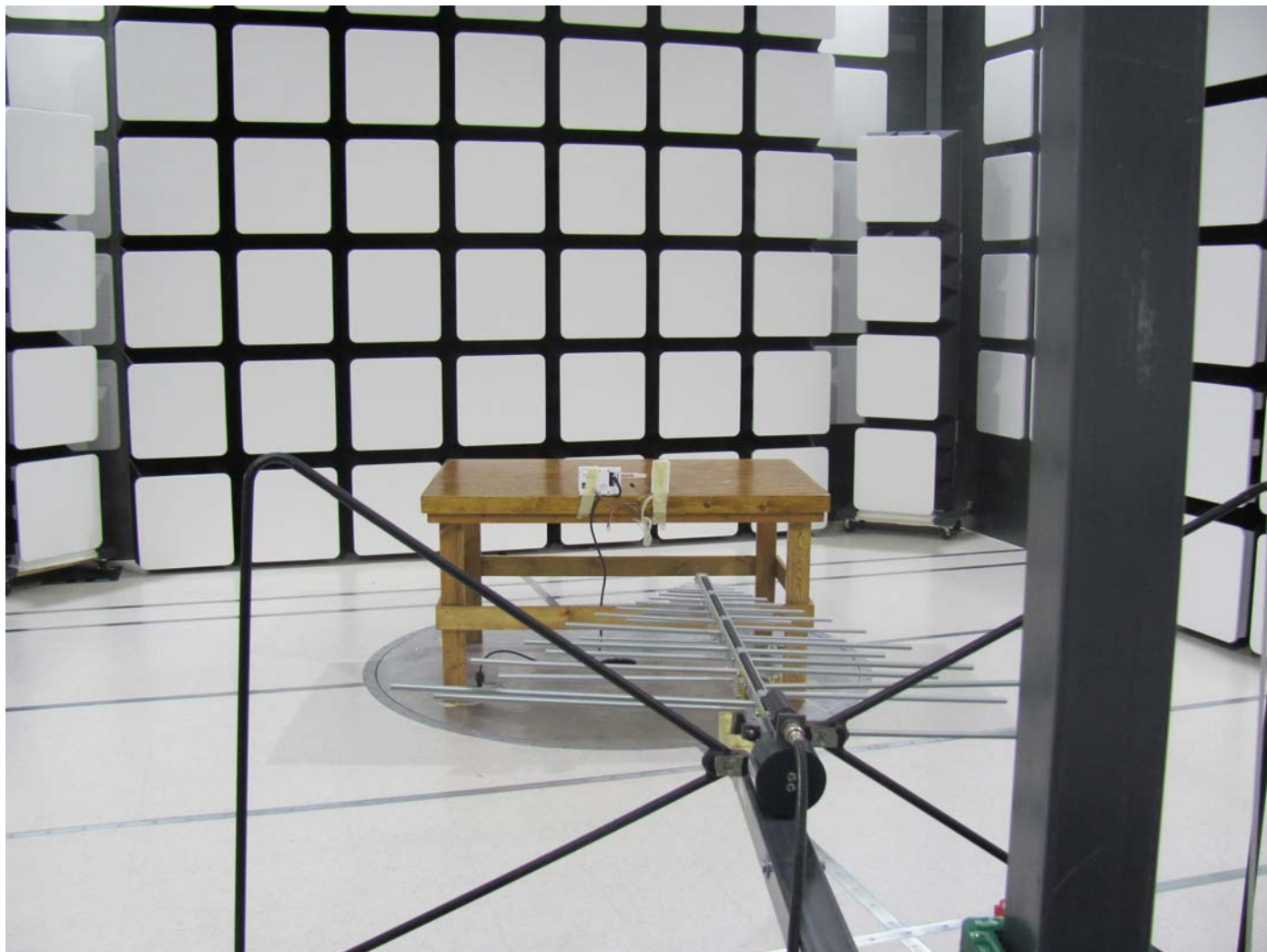


FRONT VIEW

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

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FRONT VIEW

TELKONET, INC.
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FCC SUBPART B AND C – CONDUCTED EMISSIONS – THERMOSTAT POWER

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MODEL: PST6250

FCC SUBPART B AND C – CONDCUTED EMISSIONS – THERMOSTAT POWER

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FRONT VIEW

TELKONET, INC.
ECOVUEW
MODEL: PST6200

FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – BATTERY POWER

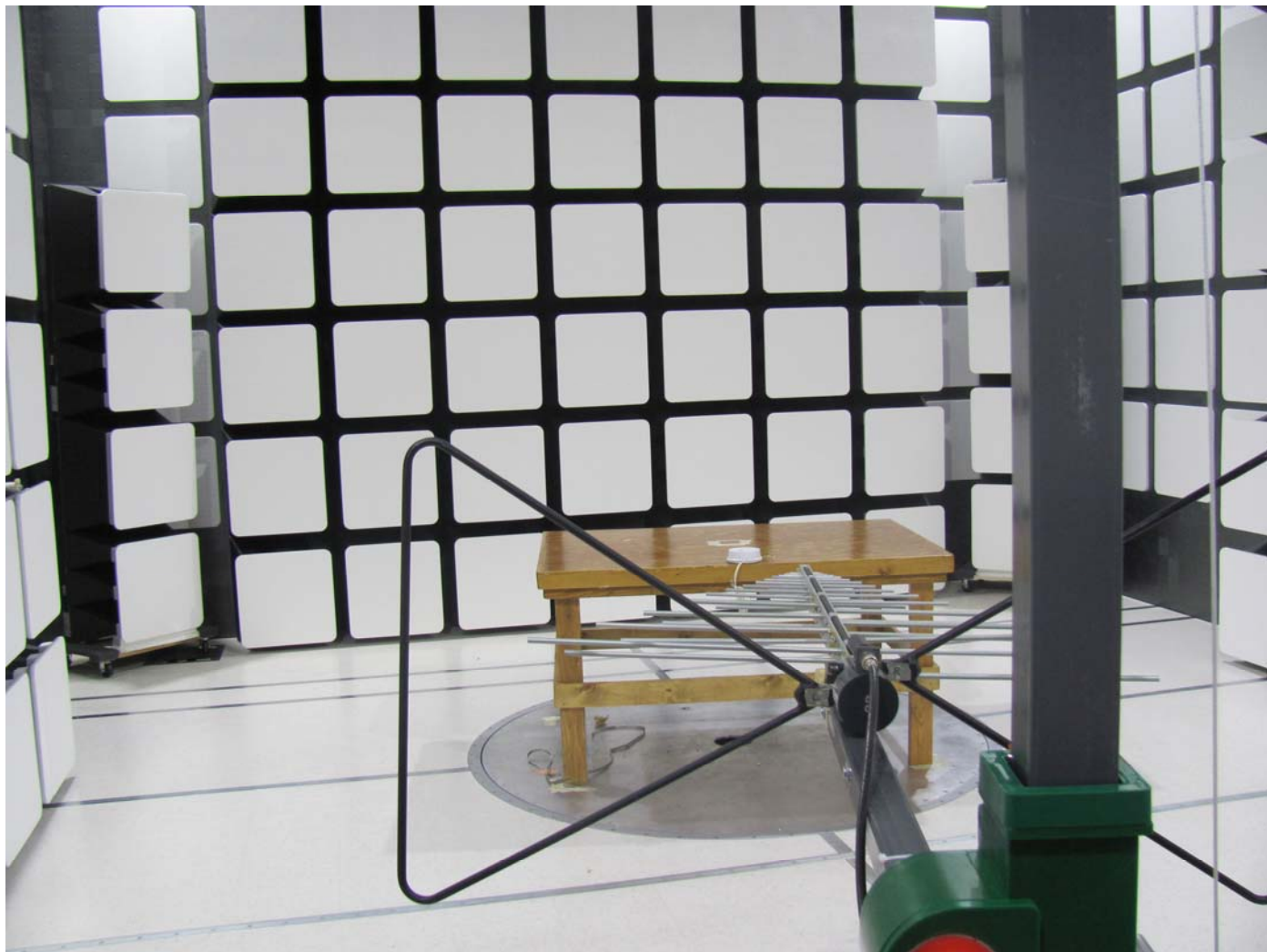
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TELKONET, INC.

ECOVUE

MODEL: PST6200

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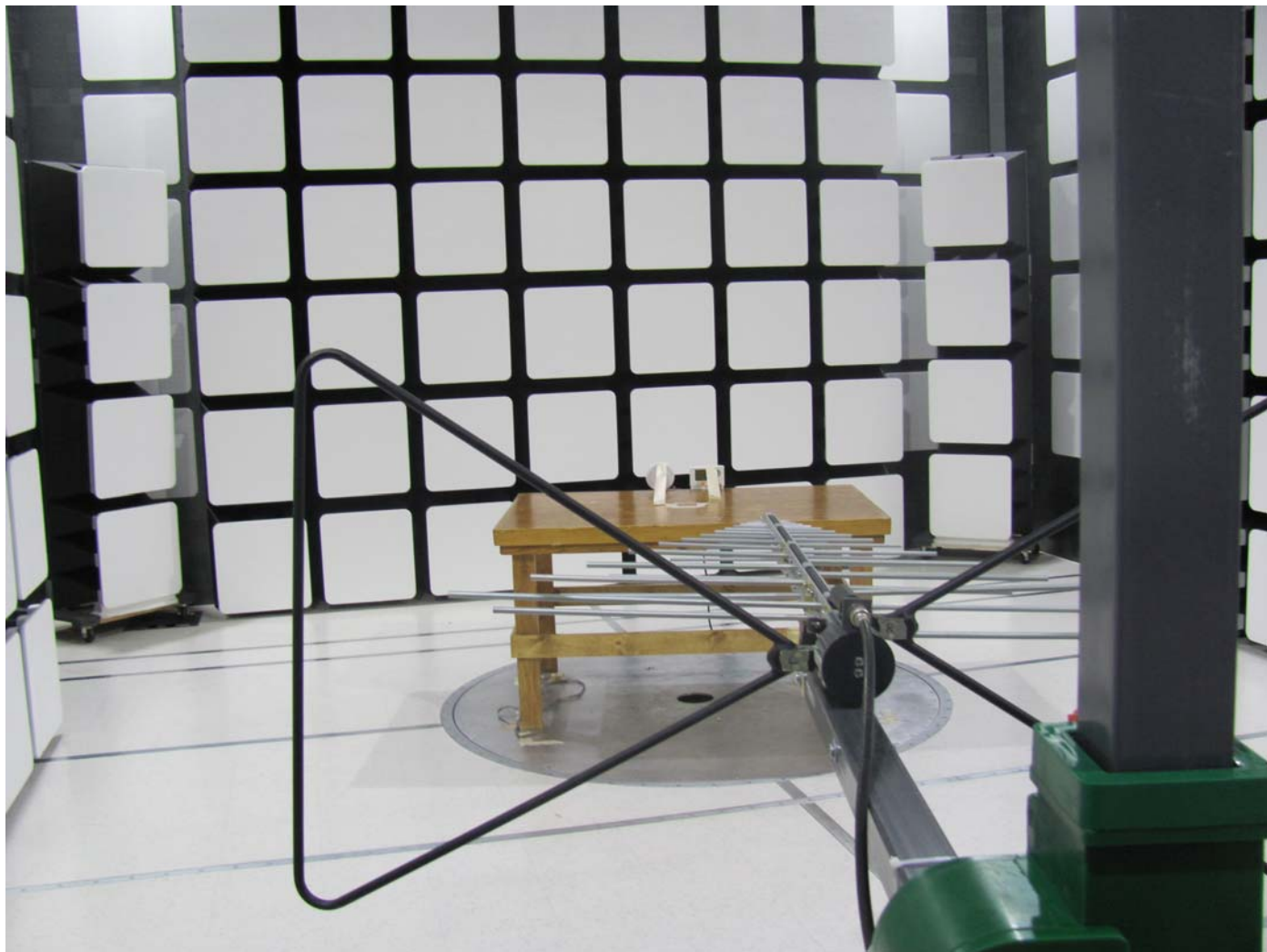
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FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz – THERMOSTAT POWER

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FRONT VIEW

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ECOVUE

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

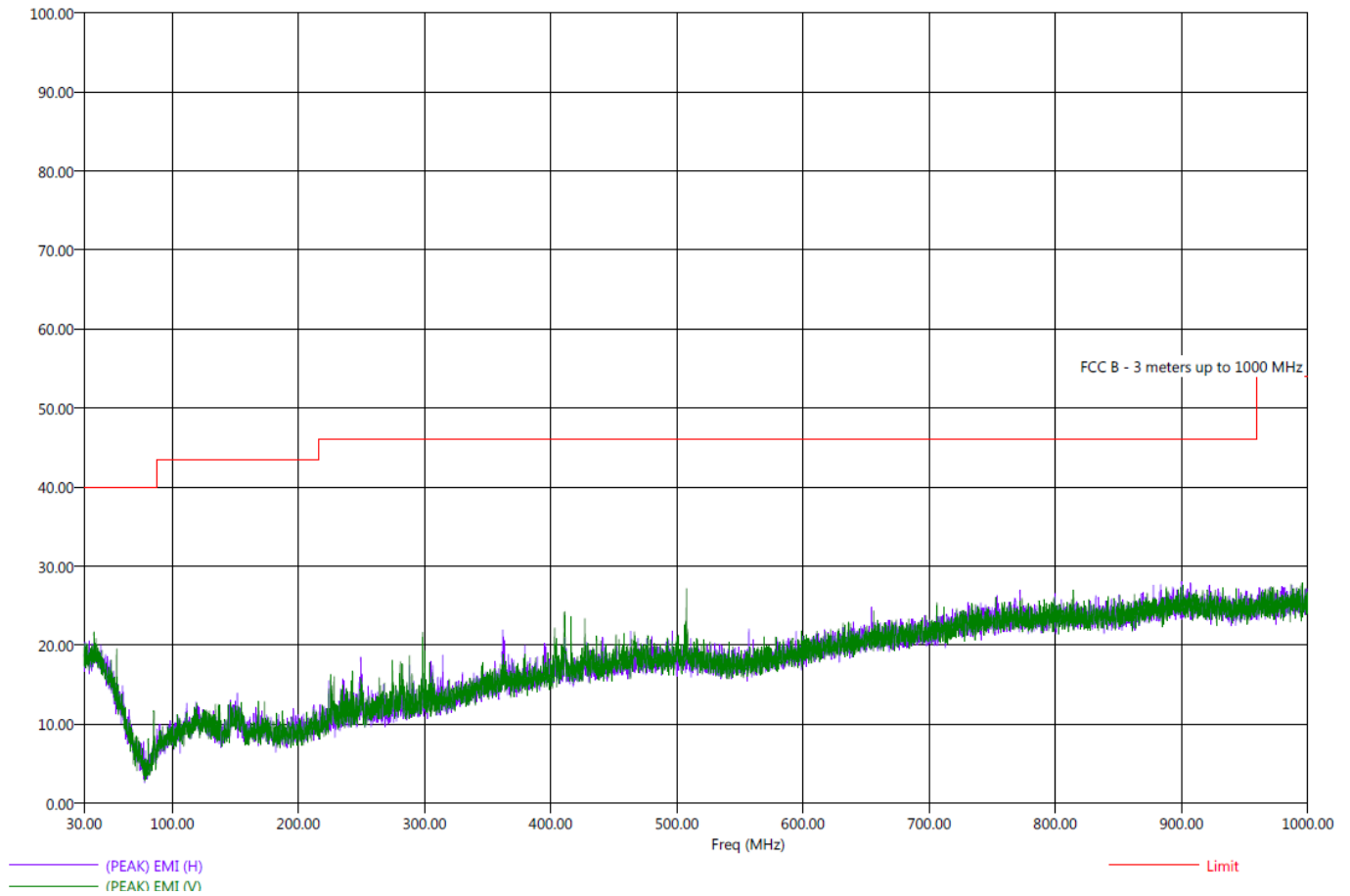
Radiated Emissions 10 kHz to 30 MHz and 1 GHz to 25 GHz - Thermostat Power

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
File: Agilent - EcoContact - Battery Power - Pre 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 8:30:46 AM
Sequence: Preliminary Scan

Pre-Scan - FCC Class B

Electric Field Strength (dB μ V/m)

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

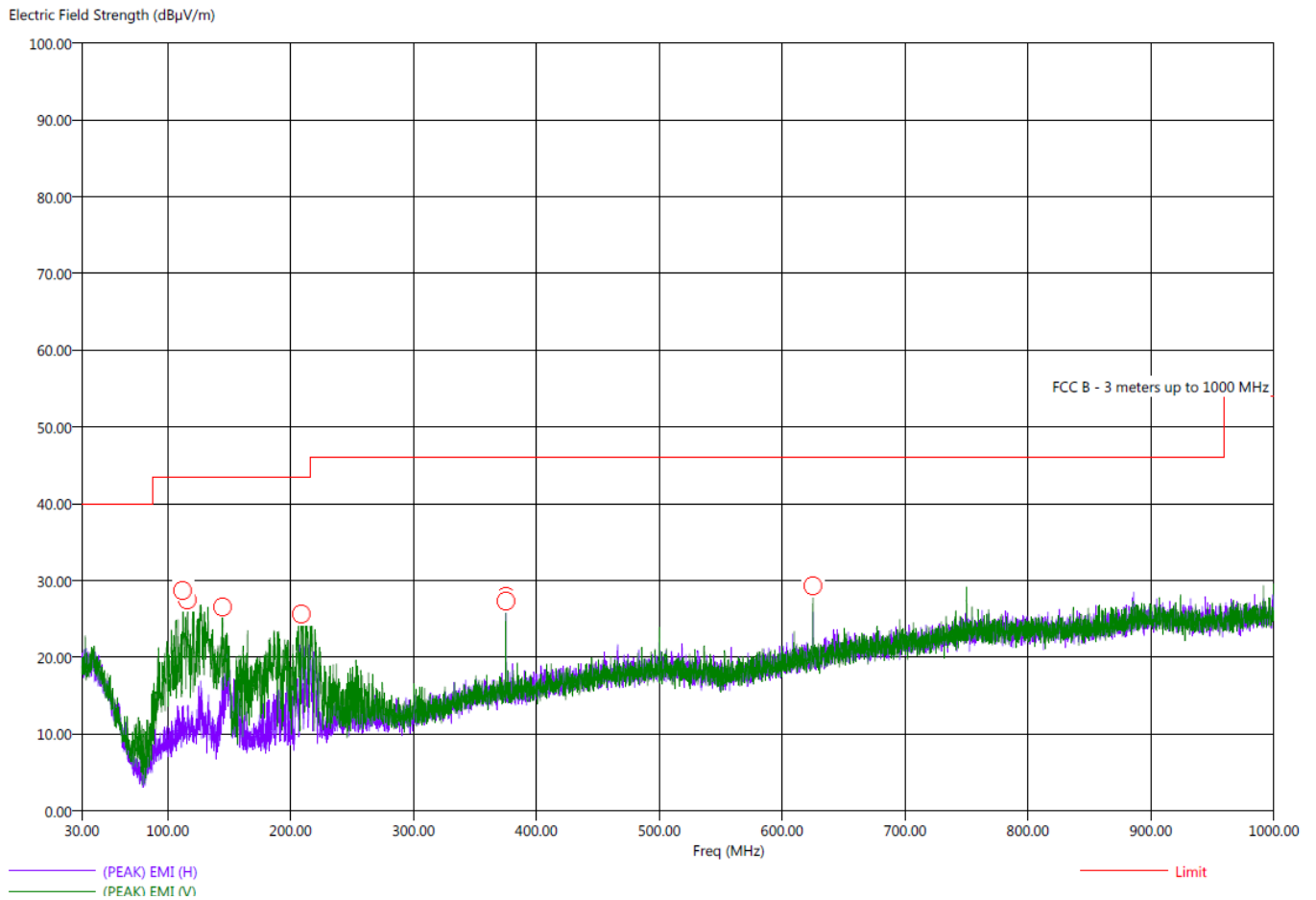
Freq (MHz)	Pol	(PEAK) EMI (dBuV/m)	(QP) EMI (dBuV/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dBuV/m)	Transducer (dB)	Cable (dB)	Ttbl Agl (deg)	Twr Ht (cm)
34.00	H	20.78	16.61	-19.22	-23.39	40.00	19.16	0.38	209.75	171.94
37.90	V	22.31	17.28	-17.69	-22.72	40.00	19.45	0.41	227.75	375.10
43.10	H	20.72	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

Pre-Scan - FCC Class B



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 Aql (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

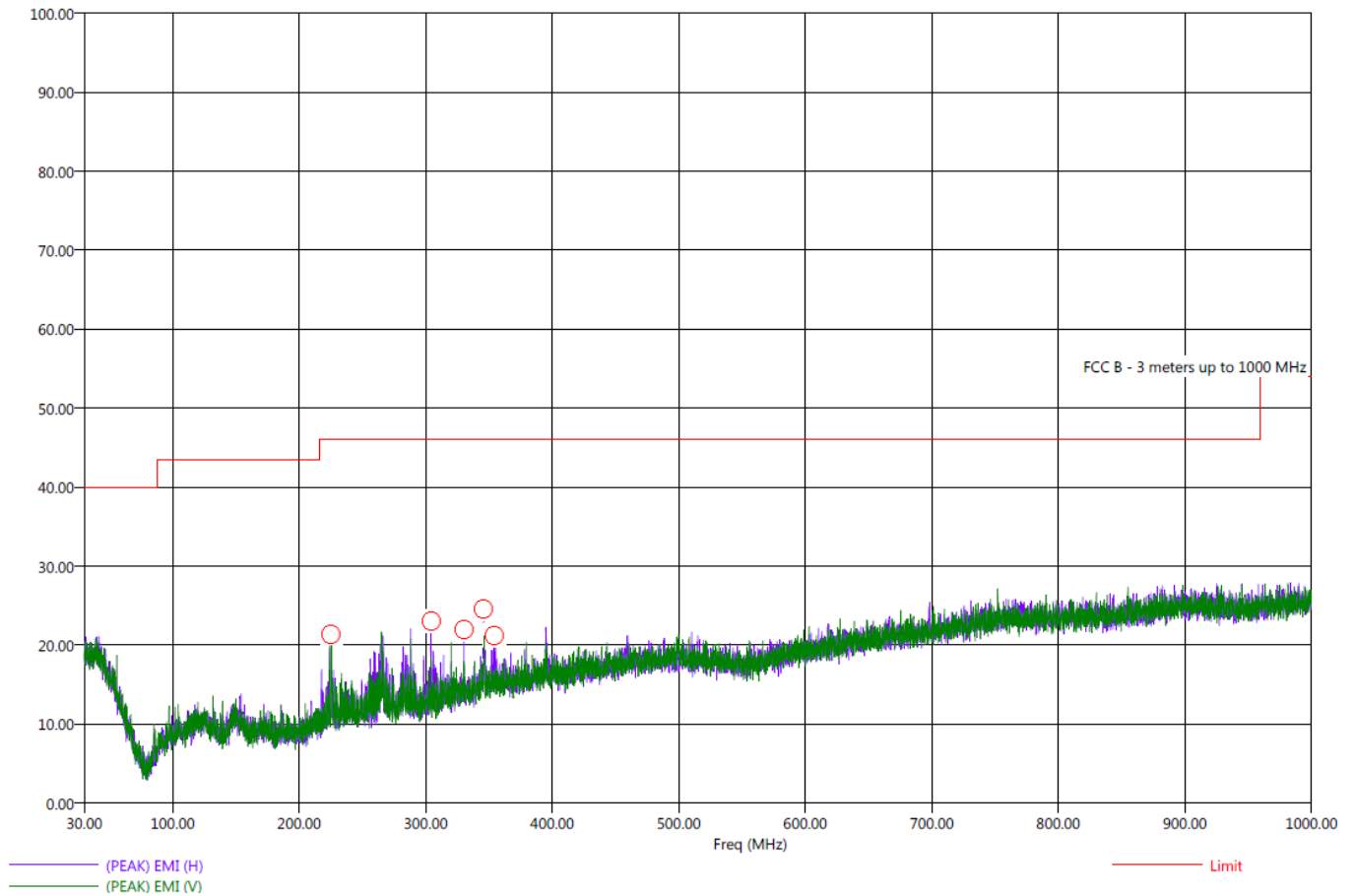
Axis of EUT	Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Table Angle (deg)	Comments
								No Emissions Detected
								from 10 kHz to 30 MHz
								for the Non-Harmonic
								Emissions from the
								EUT for both the Vertical and
								Horizontal Polarizations.
								No 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
File: Agilent - EcoView - Battery Power - Pre 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 9:29:20 AM
Sequence: Preliminary Scan

Pre-Scan - FCC Class B

Electric Field Strength (dBμV/m)



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 Aql (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

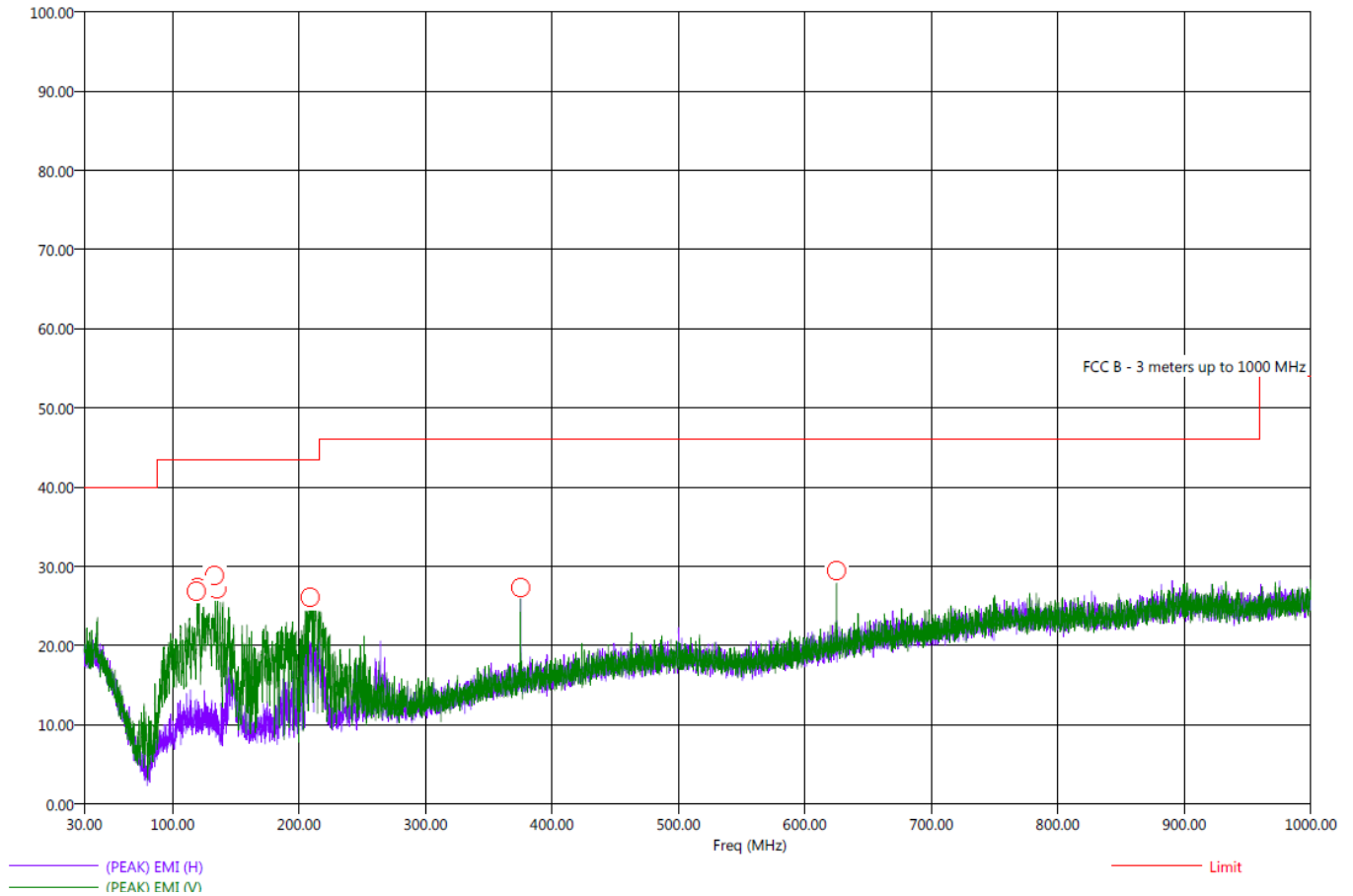
Radiated Emissions 10 kHz to 30 MHz and 1 GHz to 25 GHz - Thermostat Power

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

Pre-Scan - FCC Class B

Electric Field Strength (dB μ V/m)

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

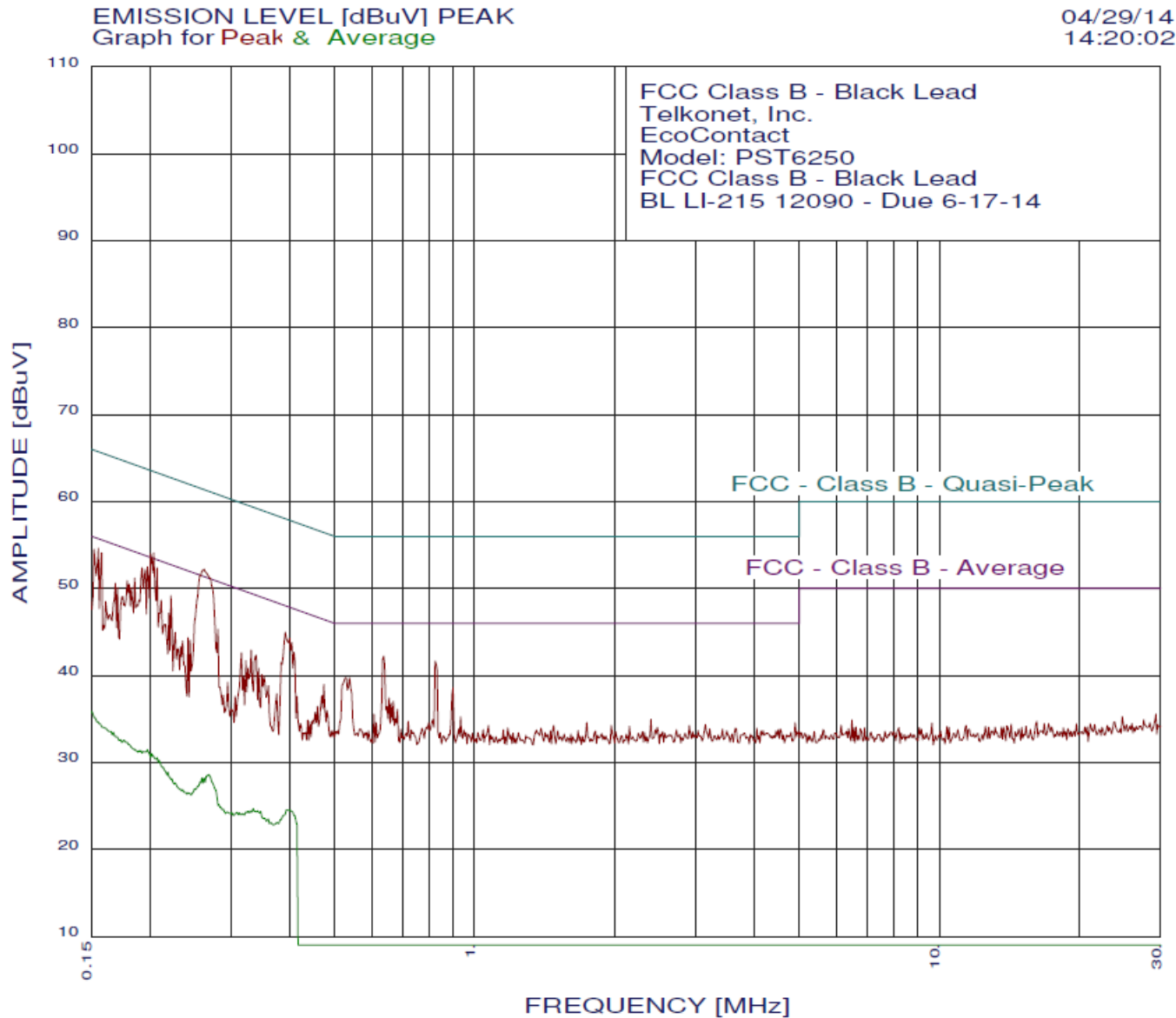
Final Scan - FCC Class B

Freq (MHz)	Pol	(PEAK) EMI (dBuV/m)	(QP) EMI (dBuV/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dBuV/m)	Transducer (dB)	Cable (dB)	Ttbl Aql (deq)	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



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

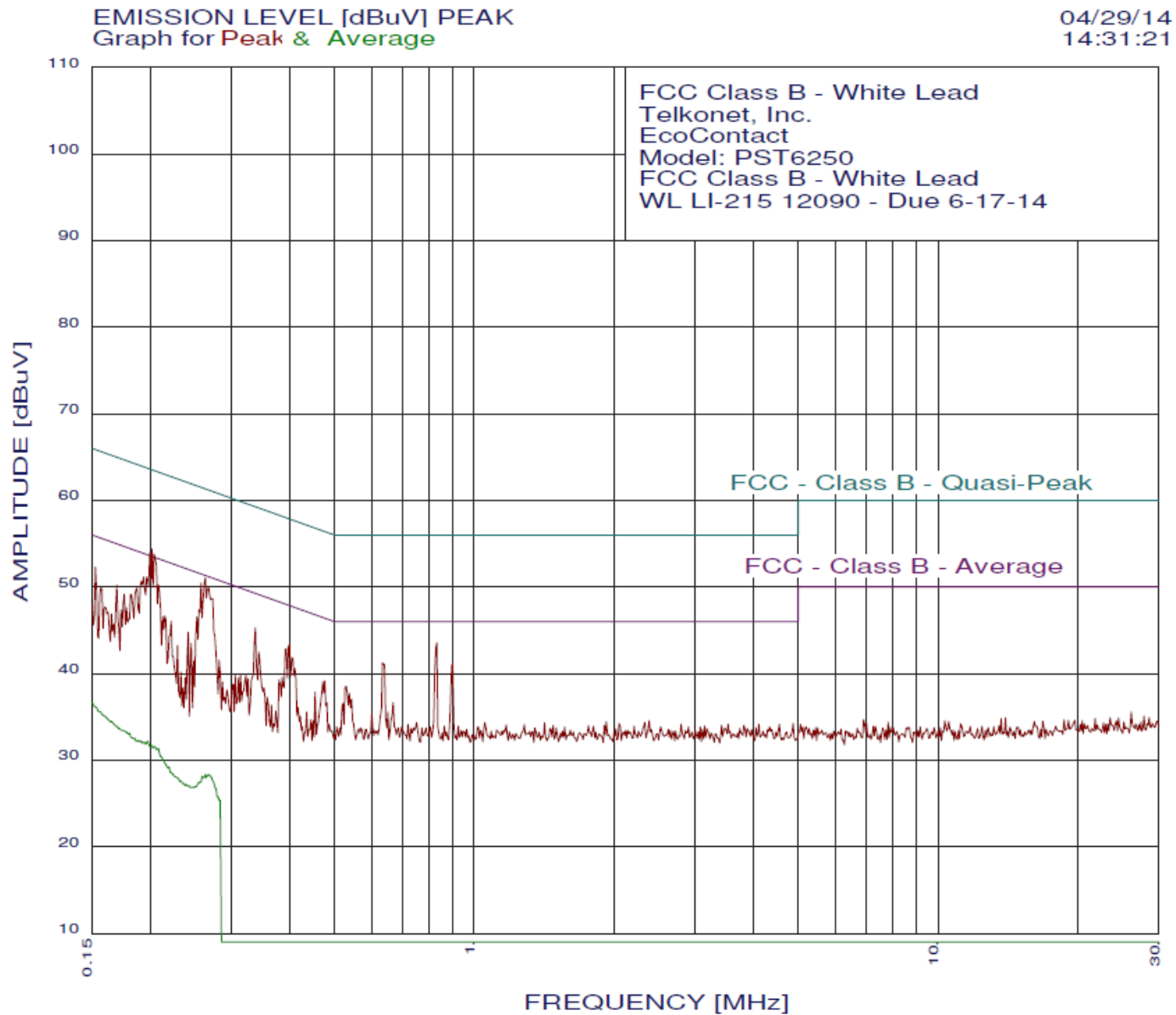
04/29/14 14:20:02

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



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

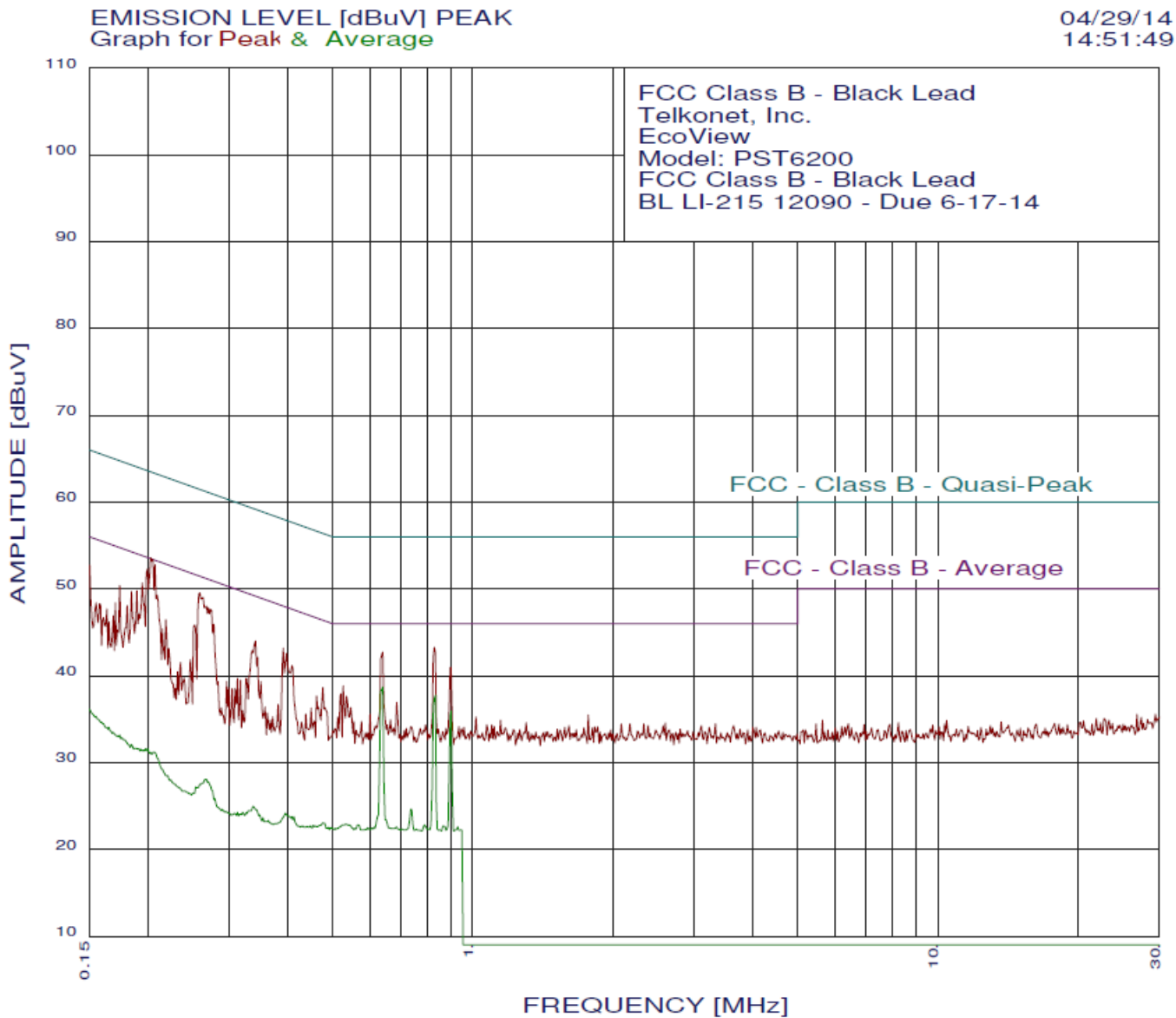
04/29/14 14:31:21

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



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

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400

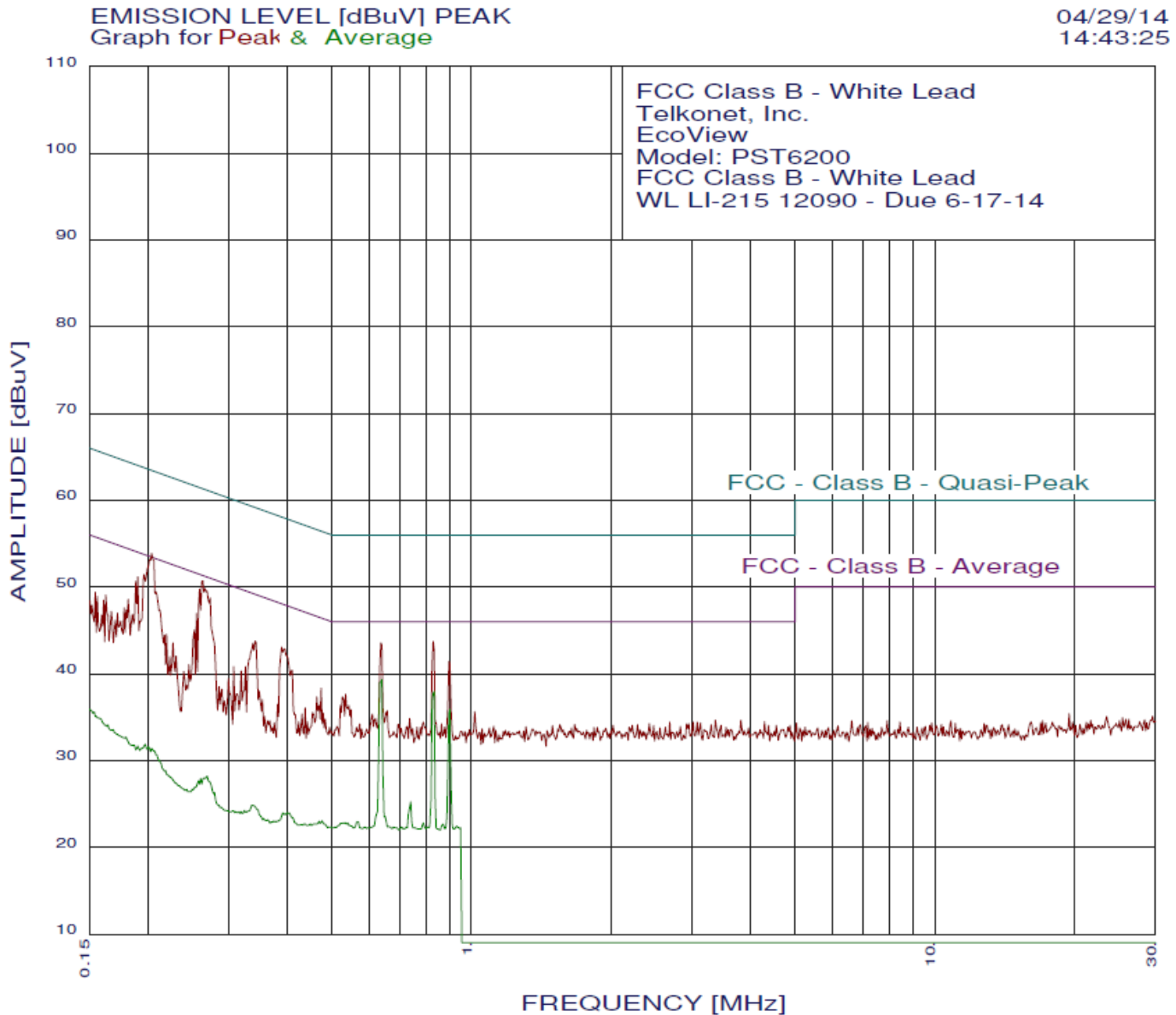
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FCC Class B - Black Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - Black Lead
BL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

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



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

Brea Division
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Lake Forest Division
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Lake Forest, CA 92630
(949) 587-0400

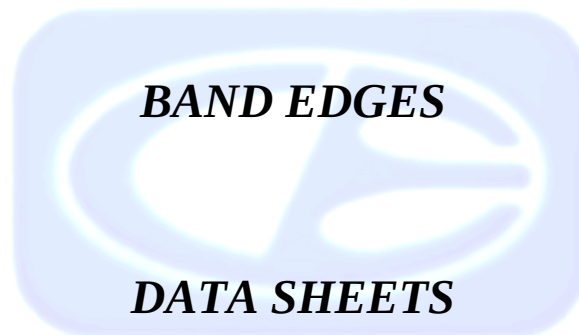
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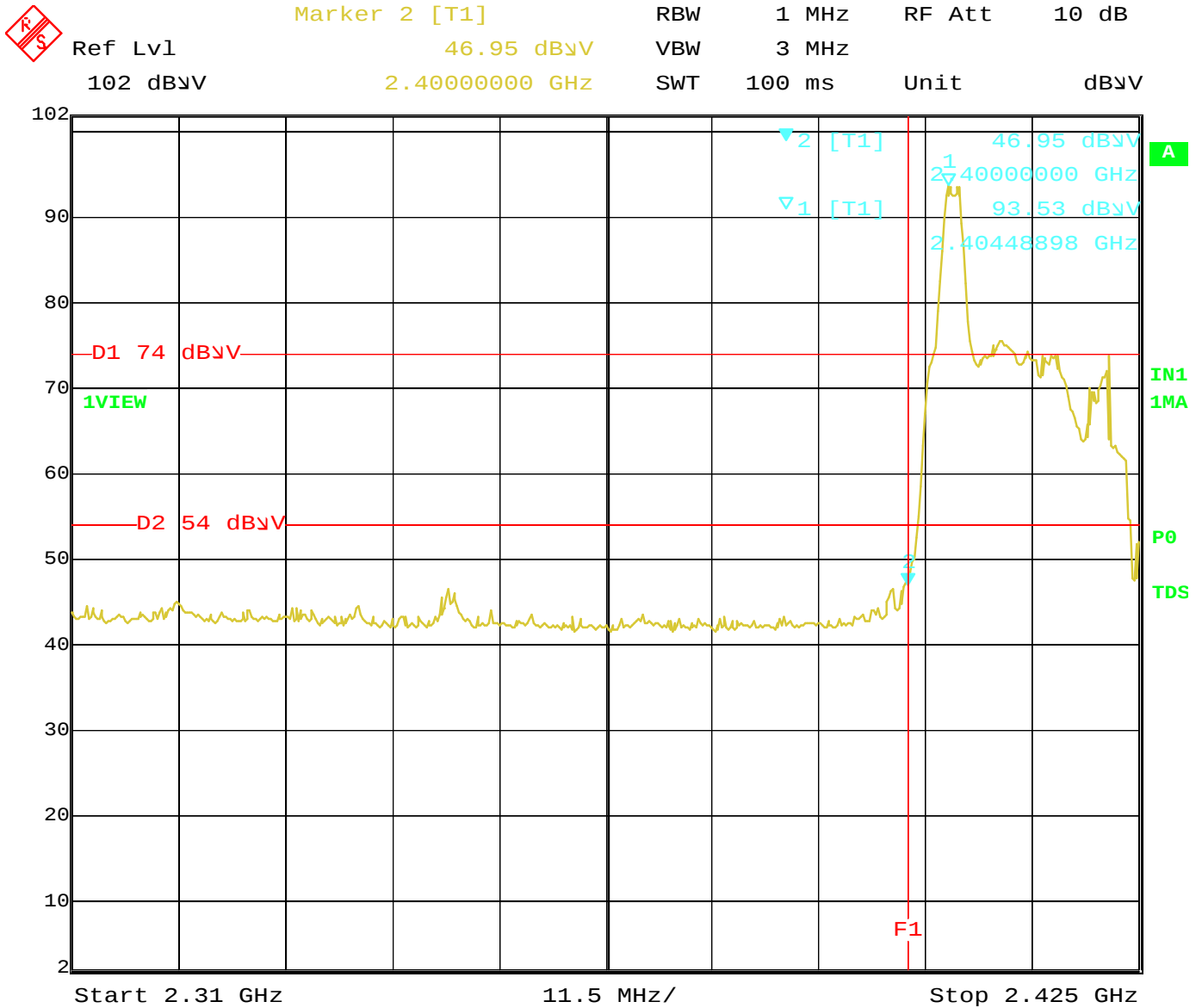
FCC Class B - White Lead
Telkonet, Inc.
EcoView
Model: PST6200
FCC Class B - White Lead
WL LI-215 12090 - Due 6-17-14
Test Engineer : Kyle Fujimoto

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





Date: 24.APR.2014 14:42:11

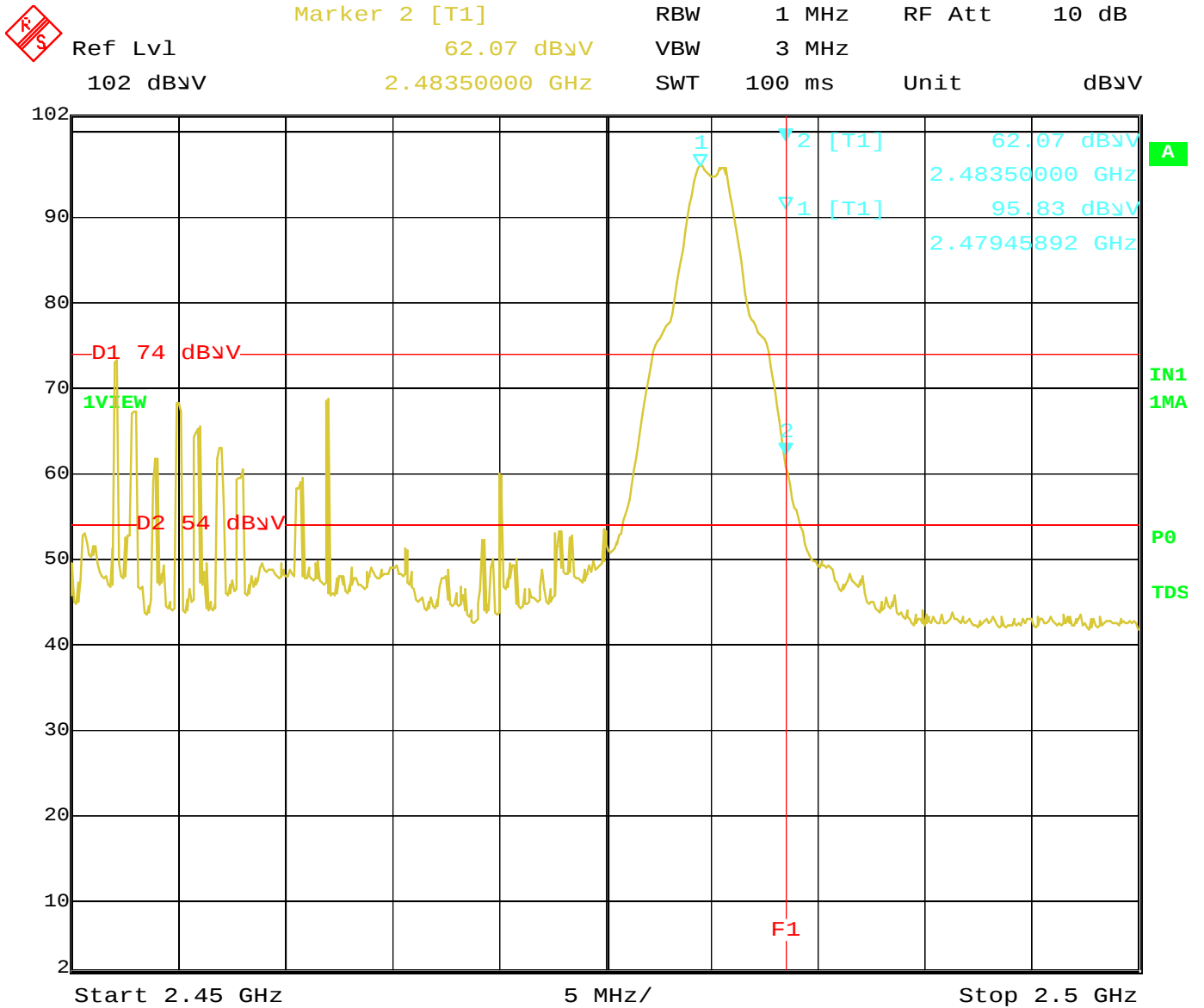
Band Edge – Low Channel – Vertical Polarization – Battery Power – Z-Axis – EcoContact

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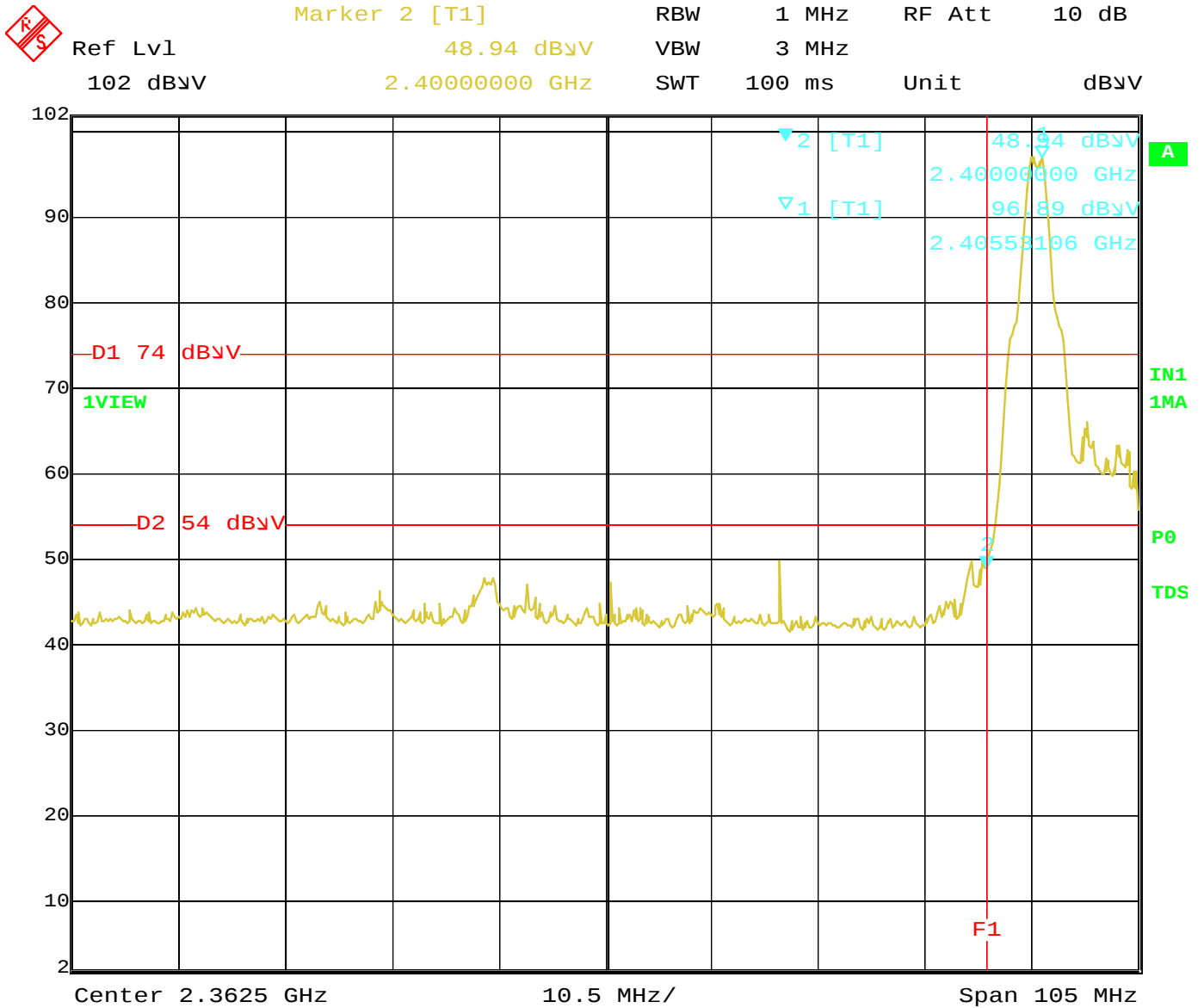
Silverado Division
19121 El Toro Road
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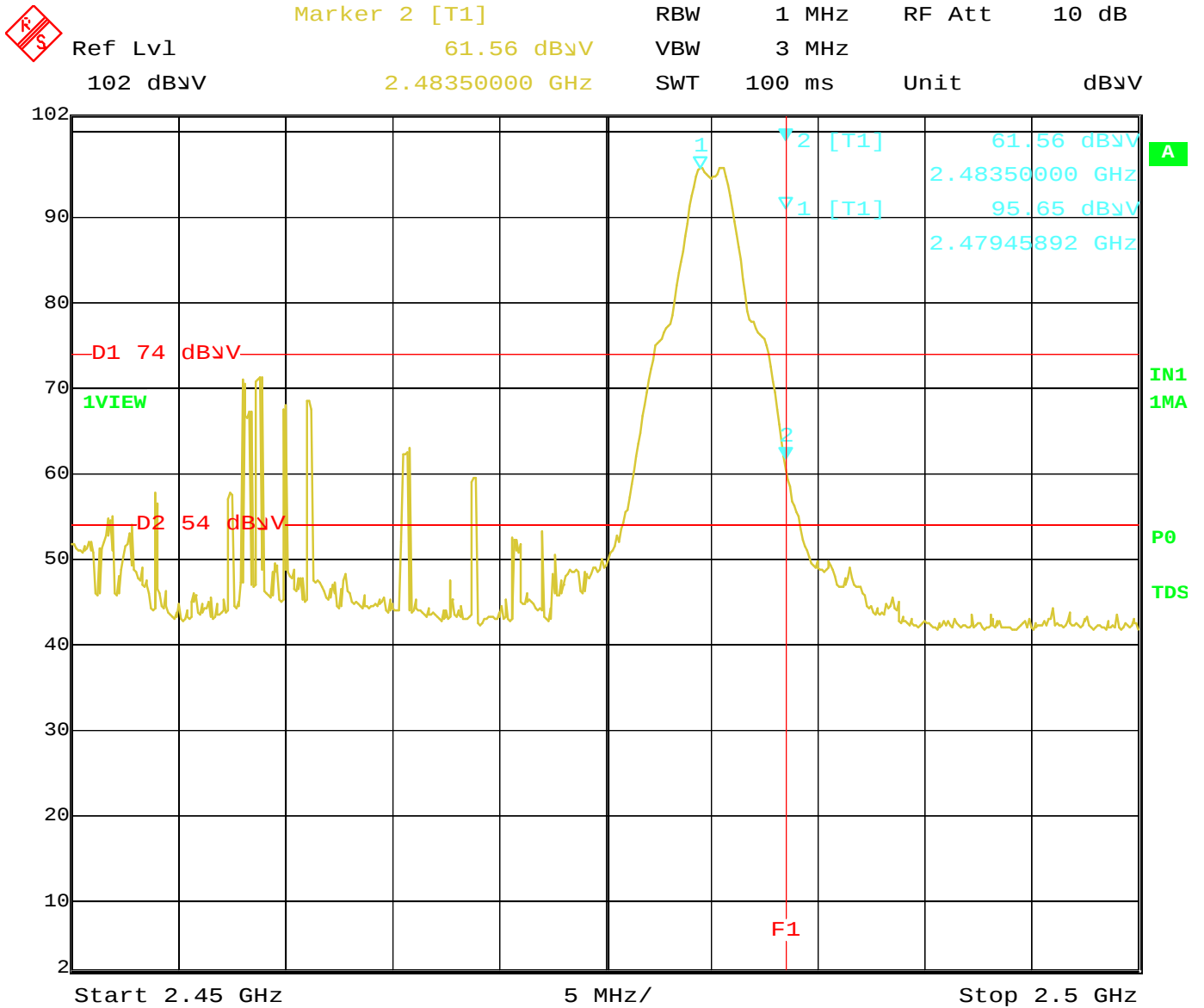
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Band Edge – High Channel – Vertical Polarization – Battery Power – Z-Axis – EcoContact



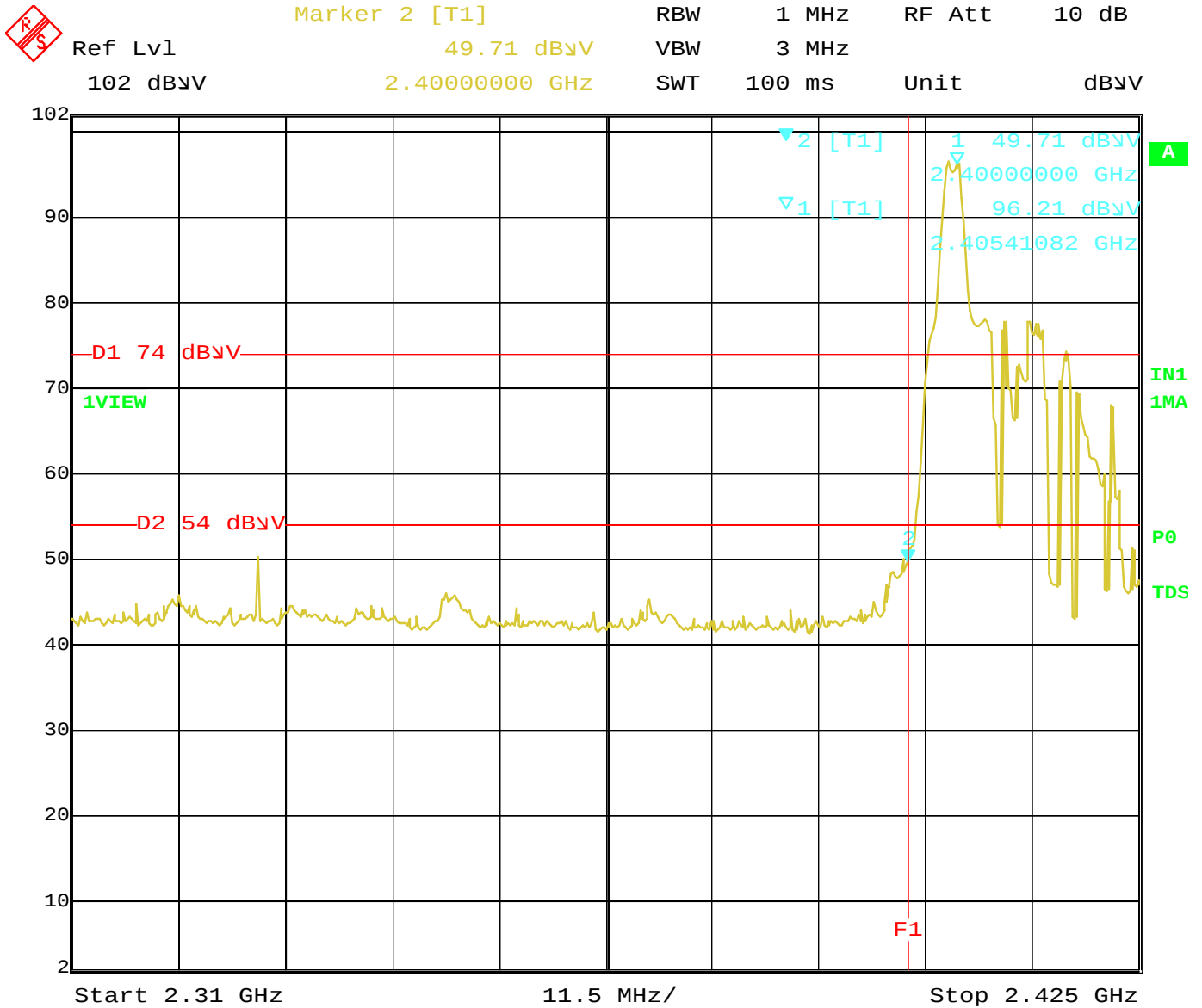
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Band Edge – Low Channel – Horizontal Polarization – Battery Power – Z-Axis – EcoContact



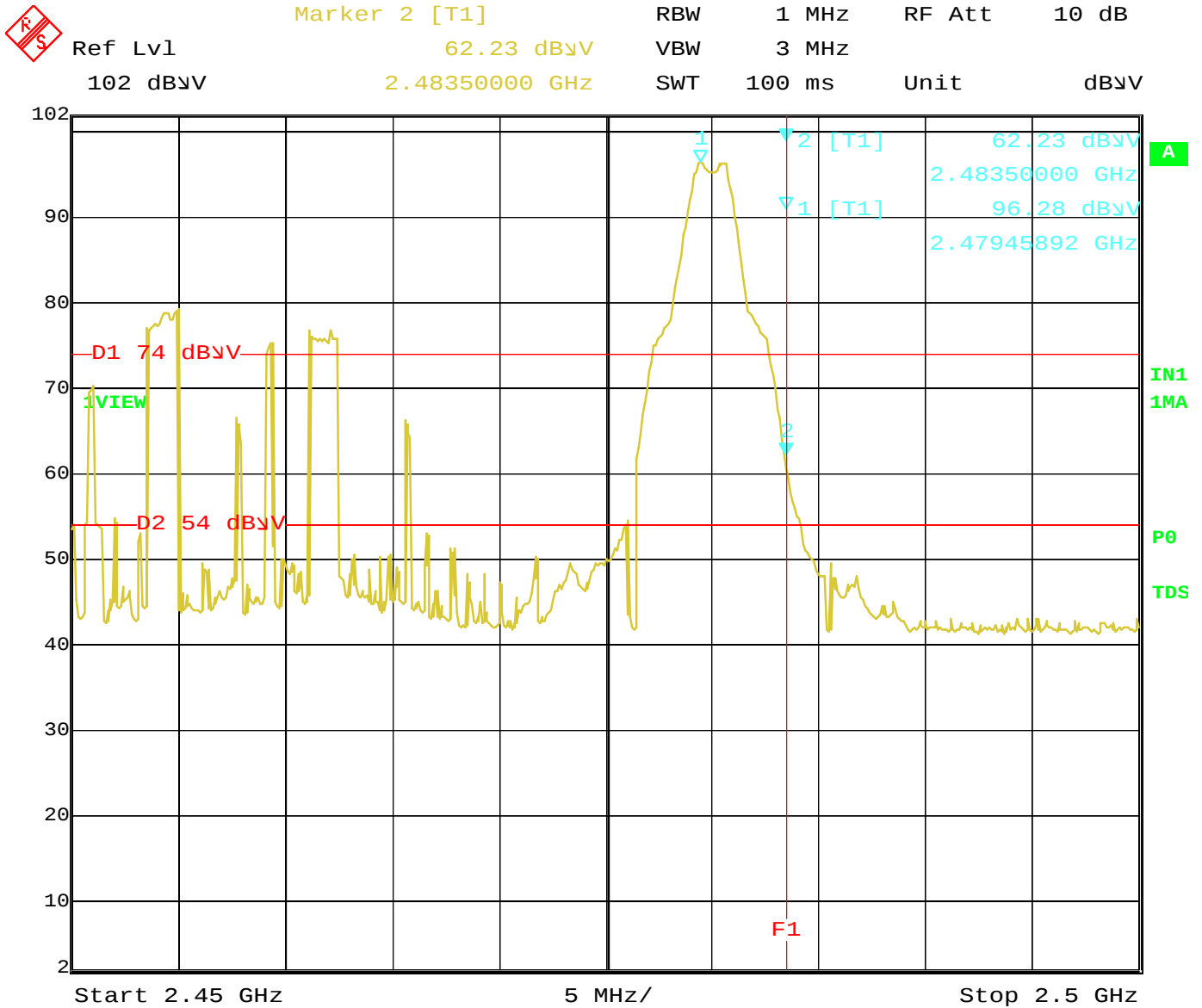
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Band Edge – High Channel – Horizontal Polarization – Battery Power – Z-Axis – EcoContact



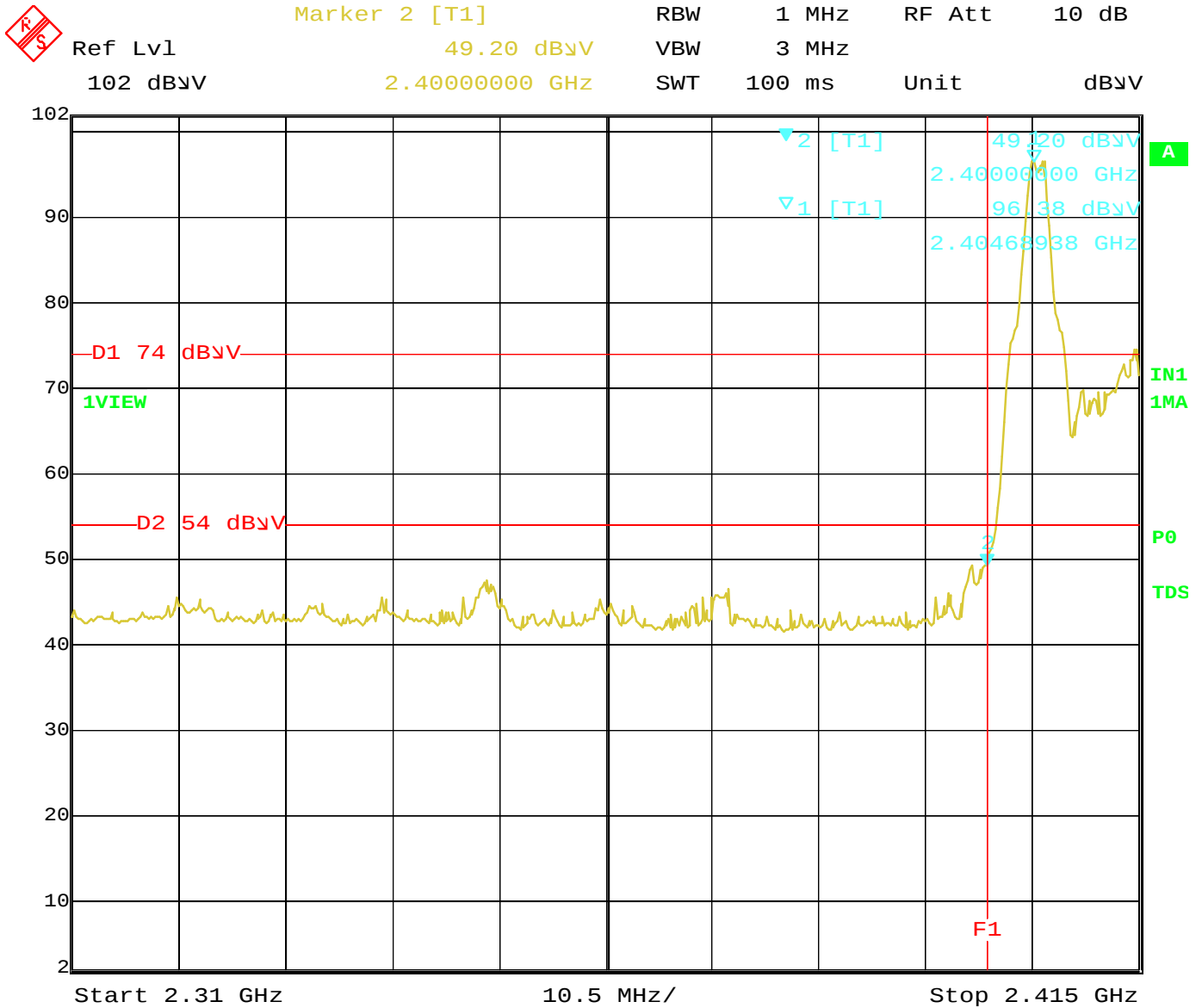
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Band Edge – Low Channel – Vertical Polarization – Thermostat Power – Z-Axis – EcoContact



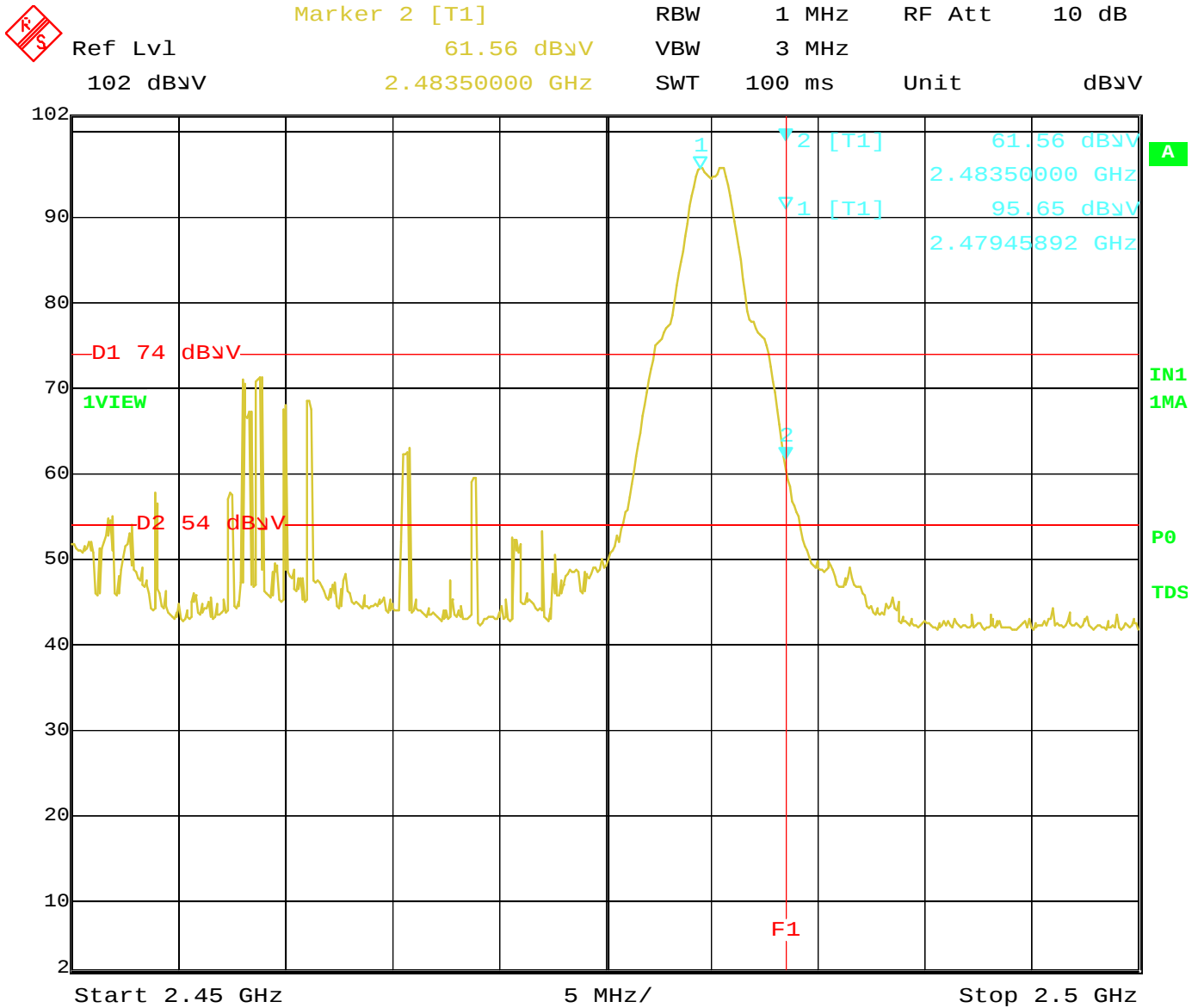
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Band Edge – High Channel – Vertical Polarization – Thermostat Power – Y-Axis – EcoContact



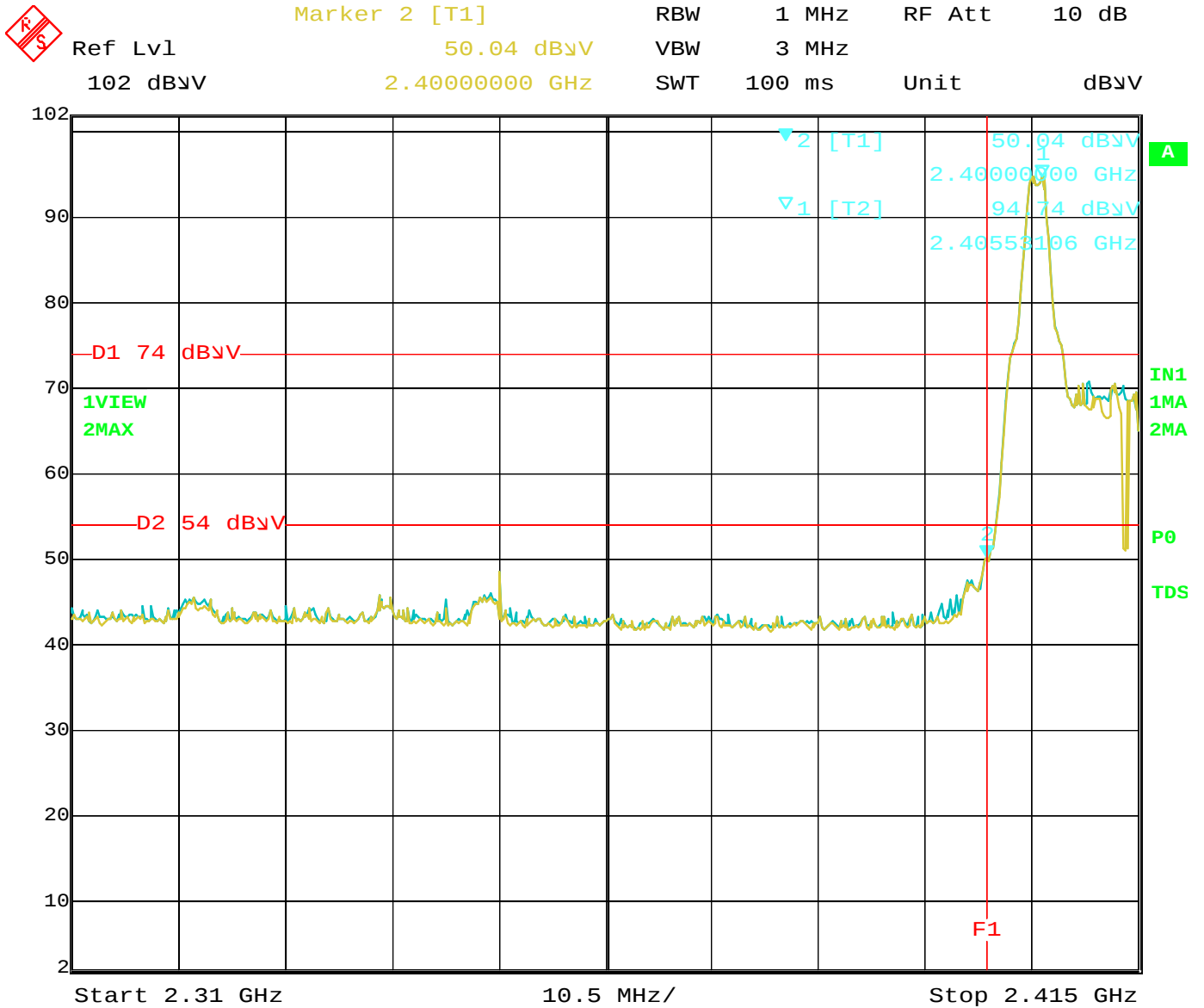
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Band Edge – Low Channel – Horizontal Polarization – Thermostat Power – Z-Axis – EcoContact



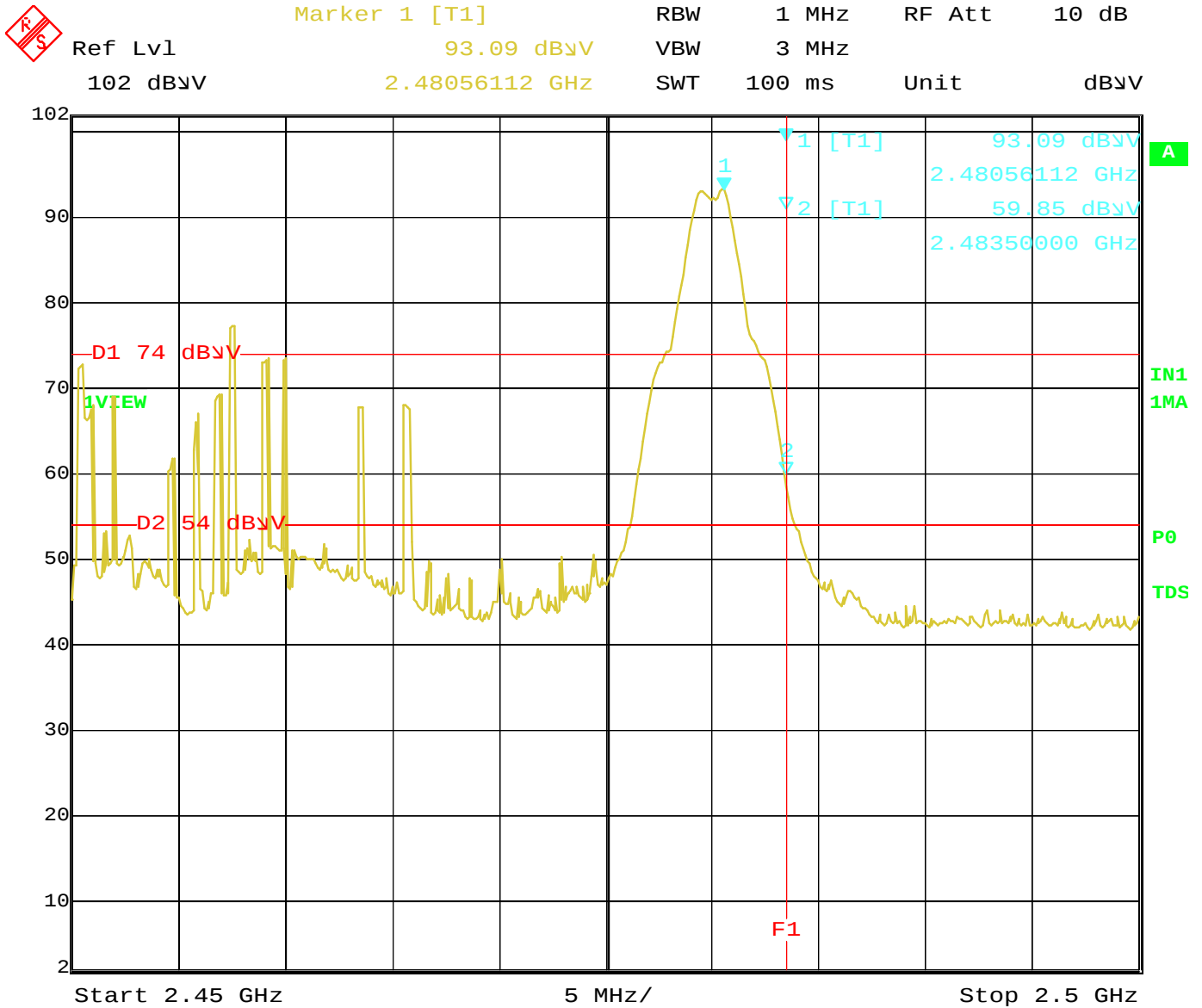
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Band Edge – High Channel – Horizontal Polarization – Thermostat Power – Z-Axis – EcoContact



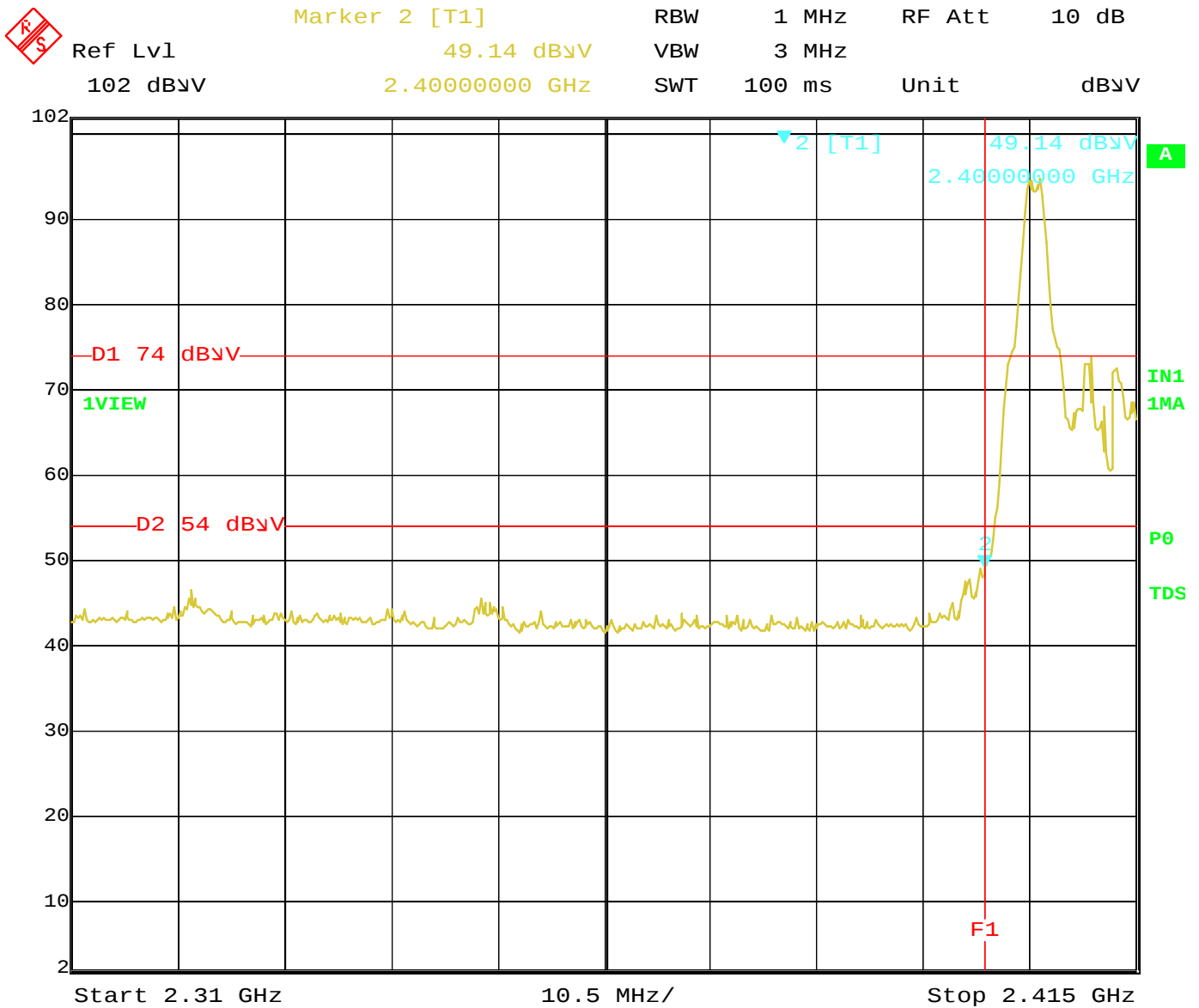
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Band Edge – Low Channel – Vertical Polarization – Battery Power – Y-Axis – EcoView



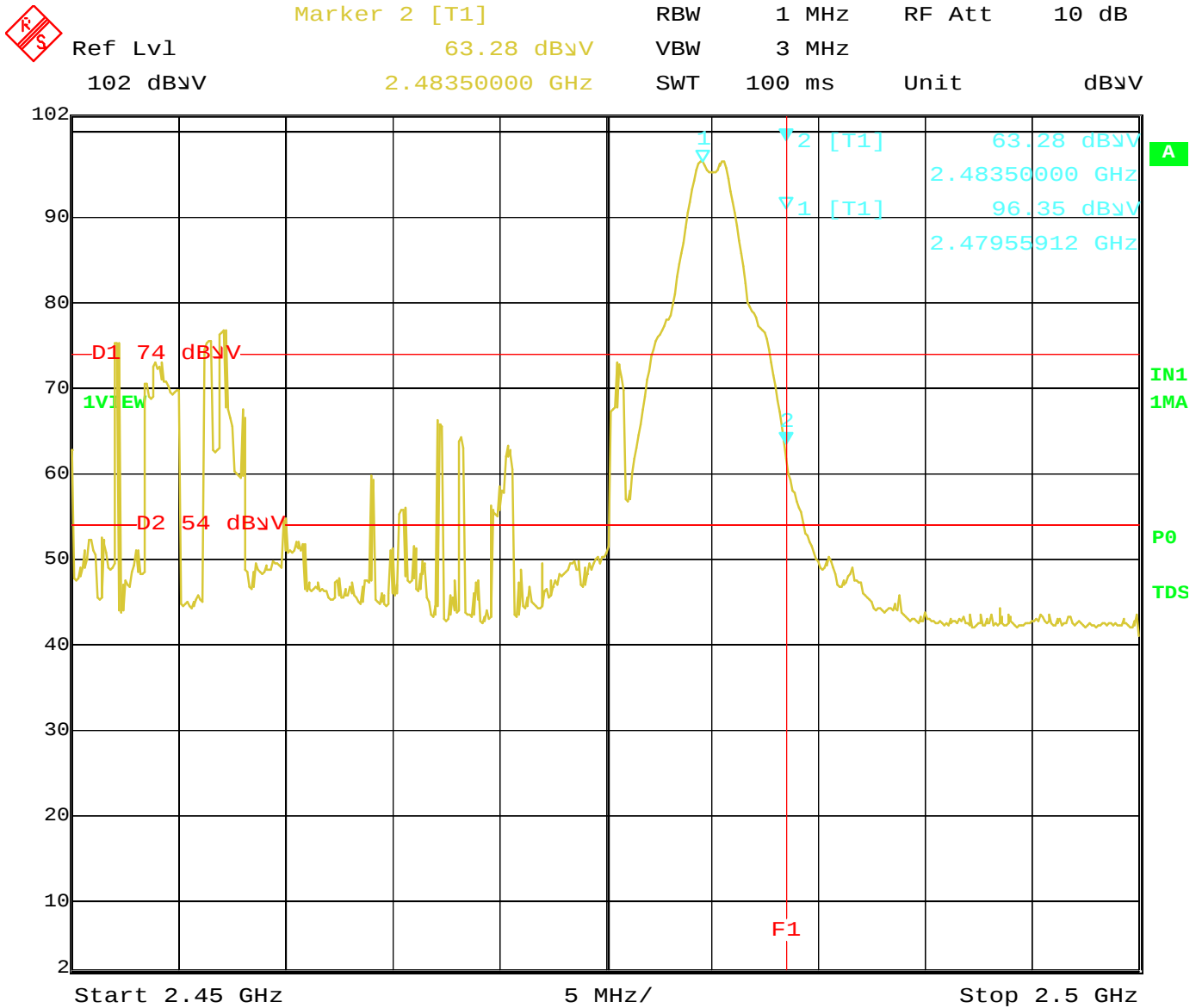
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Band Edge – High Channel – Vertical Polarization – Battery Power – X-Axis – EcoView



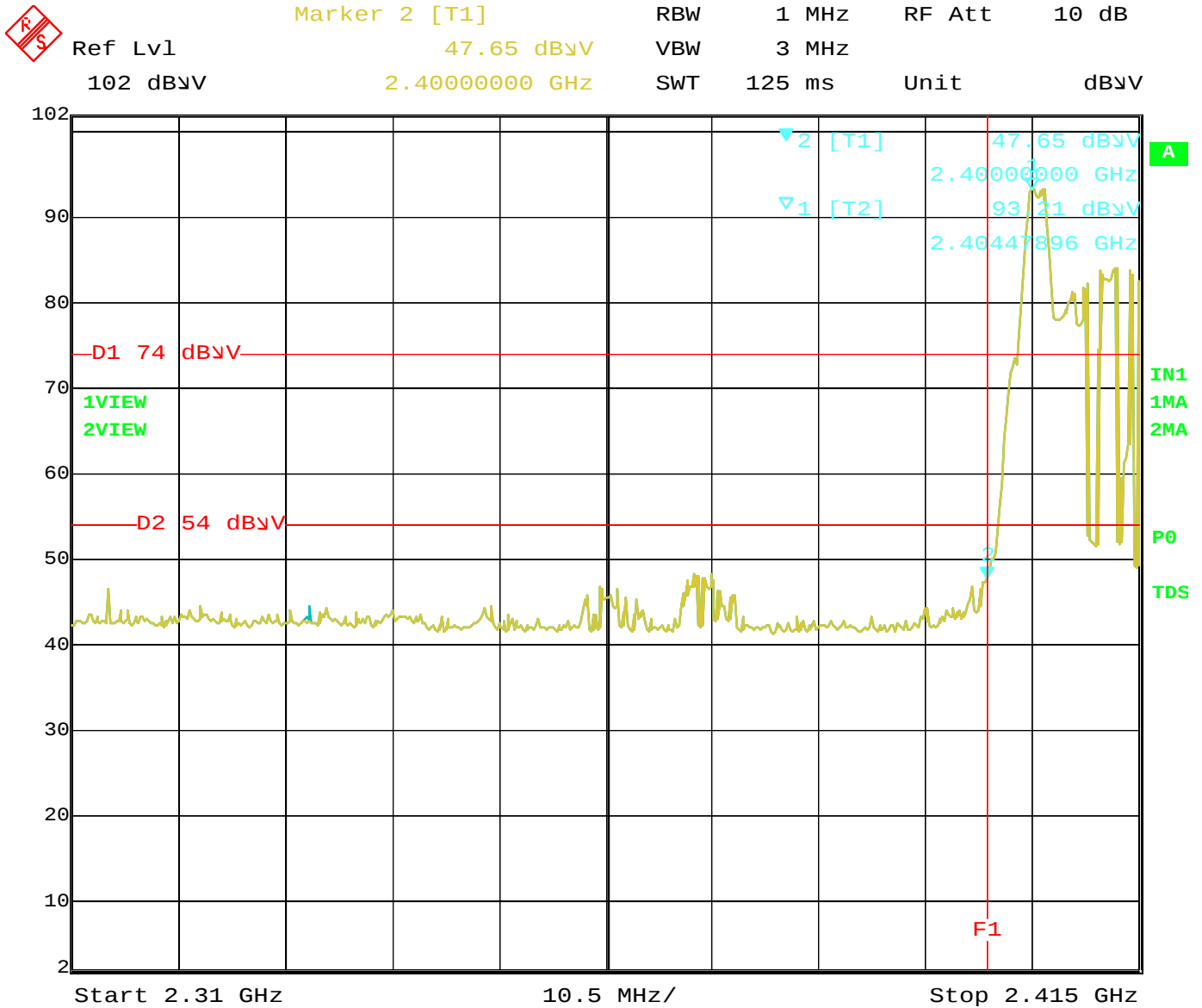
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Band Edge – Low Channel – Horizontal Polarization – Battery Power – X-Axis – EcoView



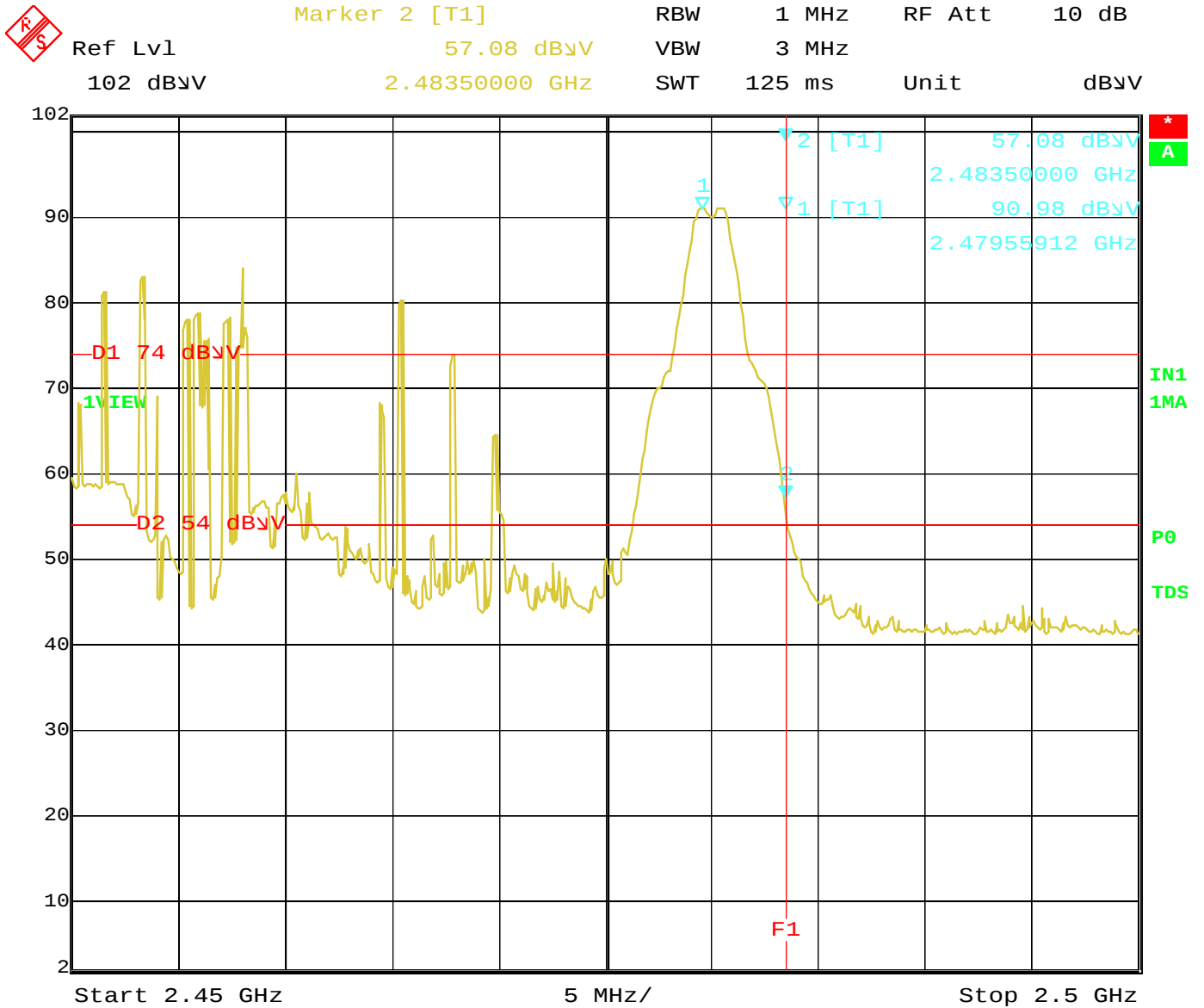
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Band Edge – High Channel – Horizontal Polarization – Battery Power – X-Axis – EcoView



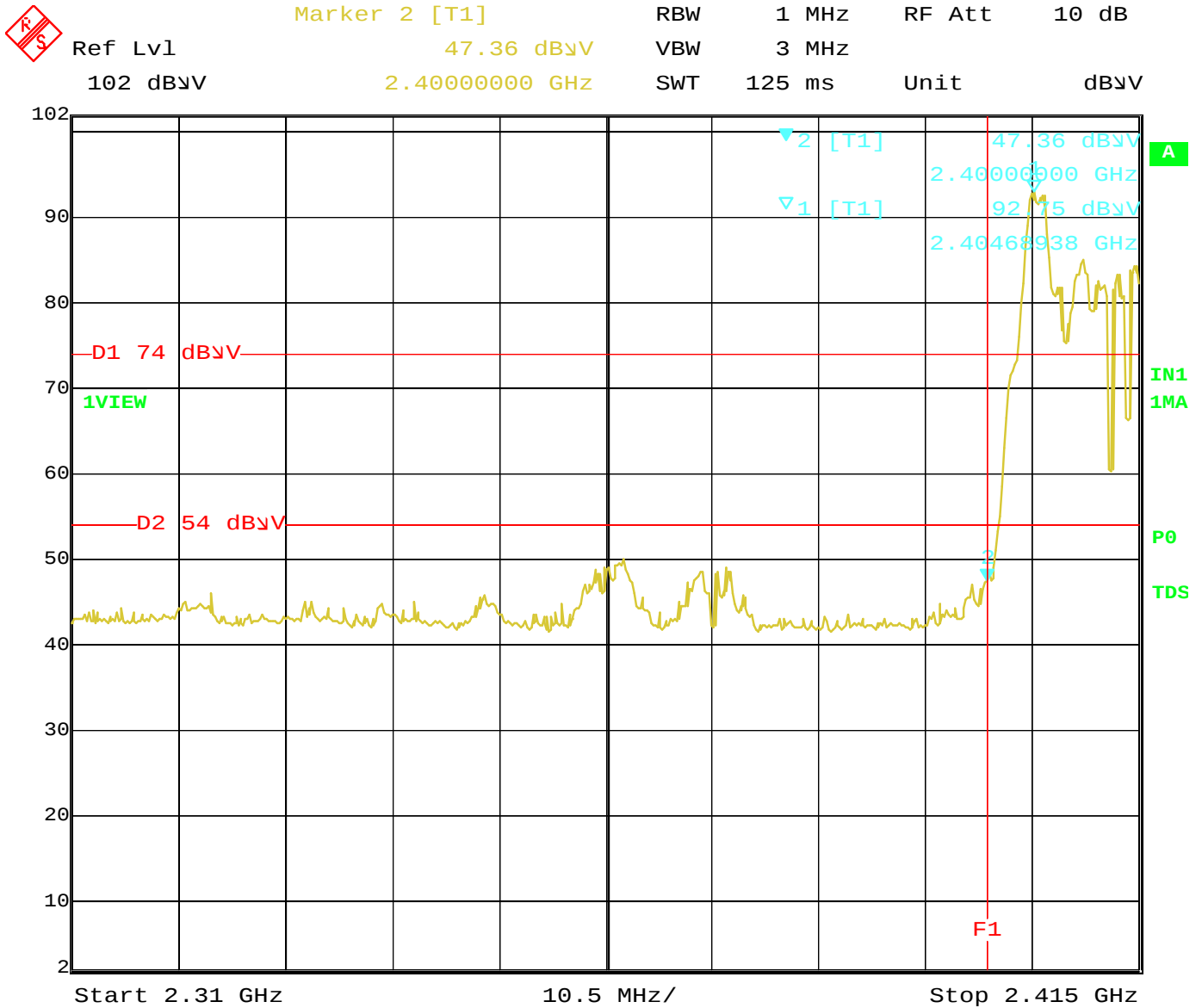
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Band Edge – Low Channel – Vertical Polarization – Thermostat Power – Y-Axis – EcoView



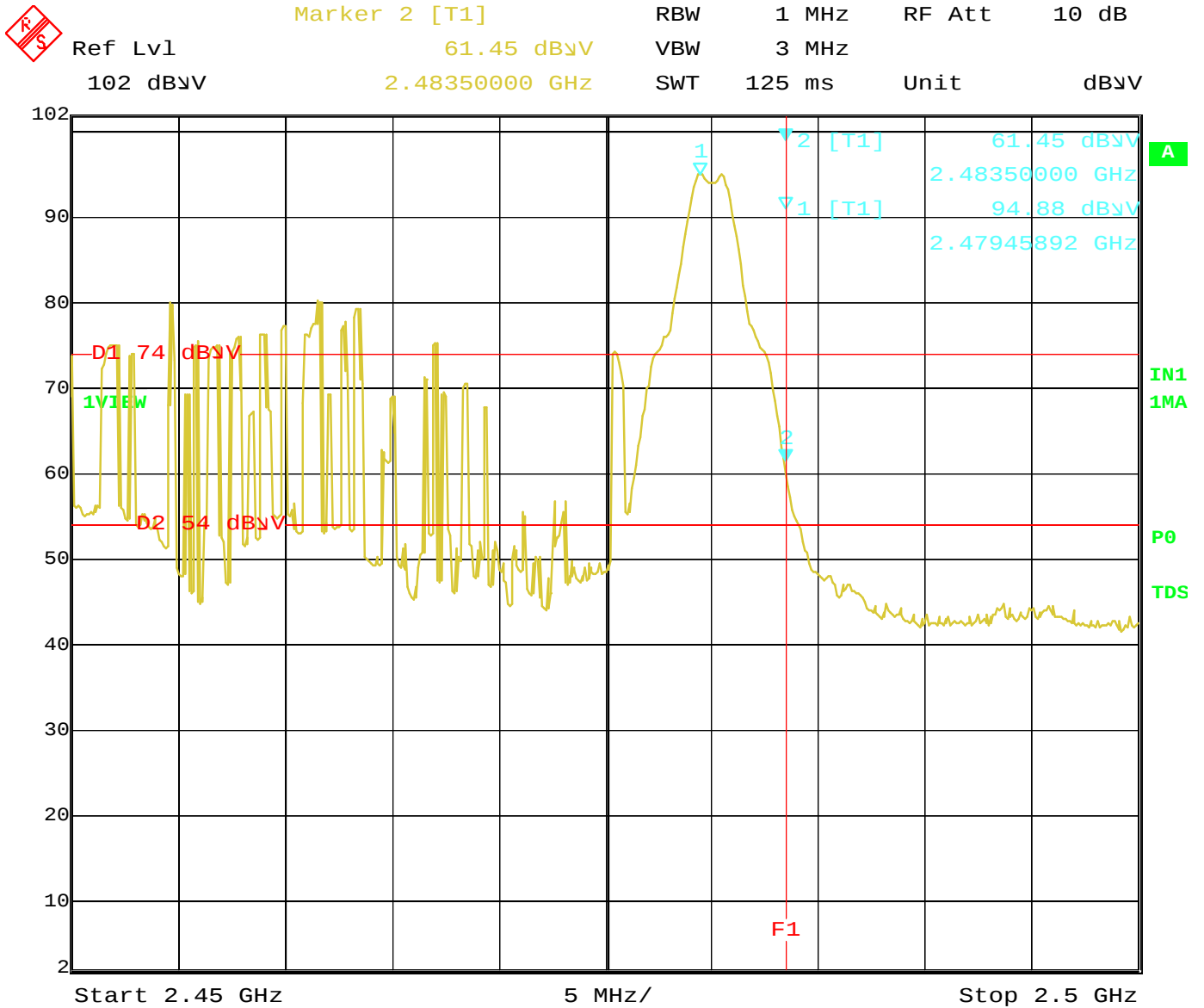
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Band Edge – High Channel – Vertical Polarization – Thermostat Power – Y-Axis – EcoView



Date: 25.APR.2014 13:08:08

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



Date: 25.APR.2014 15:09:12

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