FCC ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT CERTIFICATION TO FCC PART 15 REQUIREMENTS

for

Wireless home security interface

FCC ID Number	: QNP-EVREC3
Trade Name	: Evolution
Model Number	: EV-REC3
Agency Series	: N/A
Report Number	: 41118402-RP1
Date	: November 25, 2004

Issued to

Secure Wireless, Inc.

1185 PARK CENTER DRIVE SUITE, A AND B VISTA, VISTA, CALIFORNIA, 92083 U.S.A.

Issued by

Compliance Certification Services Inc.
Hsintien Lab.
No. 165, Chunghsen Road, Hsintien City
Taipei Hsien, Taiwan
TEL: (02) 2217-0894
FAX: (02) 2217-1029

TABLE OF CONTENTS

1. VERIFICATION OF COMPLIANCE

COMPANY NAME	: Secure Wireless, Inc. 1185 PARK CENTER DRIVE SUITE, A AND B VISTA, VISTA, CALIFORNIA, 92083 U.S.A.
CONTACT PERSON	: Jeff Christsten
TELEPHONE NO.	: 760-727-0601
EUT DESCRIPTION	: Wireless home security interface
MODEL NAME/NUMBER	: EV-REC3
FCC ID	: QNP-EVREC3
DATE TESTED	: November 22, 2004
REPORT NUMBER	: 41118402-RP1

TYPE OF EQUIPMENT	SECURITY EQUIPMENT
EQUIPMENT TYPE	433.92 MHz Wireless home security interface
MEASUREMENT PROCEDURE	ANSI 63.4 / 2003
LIMIT TYPE	CERTIFICATION
FCC RULE	CFR 47, PART 15.109

The above equipment was tested by Compliance Certification Services Inc. for compliance with the requirements set forth in the FCC CFR 47, PART 15. The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties. **Warning**: This document reports conditions under which testing was conducted and results of tests performed. This document may not be altered or revised in any way unless done so by Compliance Engineering Services, Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Compliance Certification Services Inc. will constitute fraud and shall nullify the document.

Approved by:

David Wang
Manager of Hsintien Laboratory
Compliance Certification Services Inc.

Reviewed by:

Vince Chiang
Section Manager of Hsintien Laboratory
Compliance Certification Services Inc.

2. PRODUCT DESCRIPTION

Secure Wireless, Inc., Model No: EV-REC3 is the receiving portion of a multi-purpose security device. The associated transmitter is manufactured by Secure Wireless, Inc., FCC ID: QNP-EVREM.

3. TEST FACILITY

The open area test sites and conducted measurement facilities used to collect the radiated data are located at No. 165 & No. 199, Chung Sheng Road, Hsin Tien City, Taipei, Taiwan R.O.C. The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

The measuring instrument which was utilized in performing the tests documented herein has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment which is traceable to recognized national standards.

4. MEASUREMENT EQUIPMENT USED

Manufacturer	Model Number	Description	Cal Due Date
CCS	E Site	SITE NSA	09/10/2005
R&S	DSAI-D / ESBI-RF	EMI TEST RECEIVER	03/08/2005
SCHAFFNER	CBL 6112B	ANTENNA	09/25/2005
H.P.	8447D A	AMPLIFIER	04/30/2005
BELDEN	9913	CABLE	03/05/2005
TFA	N/A	THERMO-HYGRO METER	11/09/2005

5. TEST CONFIGURATION

Set frequency generator to 433.92 MHz. EUT receiving transmission continuously. All the wires are placed on the turn table to their maximum length to simulate the worse emission conditions.

6. TESTS CONDUCTED

CFR 47, 15.109 RADIATED EMISSION TESTS	RADIATED AT 3 METERS

7. RADIATED EMISSION TEST PROCEDURE

The EUT and all other support equipment are placed on a wooden table 80 cm above the ground screen. Antenna to EUT distance is 3 meters. During the test, the table is rotated 360 degrees to maximize emissions and the antenna is positioned from 1 to 4 meters above the ground screen to further maximize emissions. The antenna is polarized in both vertical and horizontal positions.

Monitor the frequency range of interest at a fixed antenna height and EUT azimuth. Frequency span should be small enough to easily differentiate between broadcast stations and intermittent ambients. Rotate EUT 360 degrees to maximize emissions received from EUT. If emission increases by more than 1 dB, or if another emission appears that is greater by 1 dB, return to azimuth where maximum occurred and perform additional cable manipulation to further maximize received emission.

Move antenna up and down to further maximize suspected highest amplitude signal. If emission increased by 1 dB or more, or if another emission appears that is greater by 1dB or more, return to antenna height where maximum signal was observed and manipulate cables to produce highest emissions, noting frequency and amplitude.

8. COHERENT TESTS

During Radiated Emission Tests, use a transmitter to emit a frequency of 433.92MHz to touch off the EUT. Then take down the highest readings.

9. EQUIPMENT MODIFICATIONS

To achieve compliance to FCC section 15.109, the following change(s) were made during compliance testing:

NOT APPLICABLE

10. POWERLINE CONDUCTED EMISSIONS

Not applicable, as it's power was supplied from DC power.

APPENDIX 1

TEST CONFIGURATION PHOTOS

RADIATED EMISSION TEST

APPENDIX 2

PHOTOGRAPHS OF EUT


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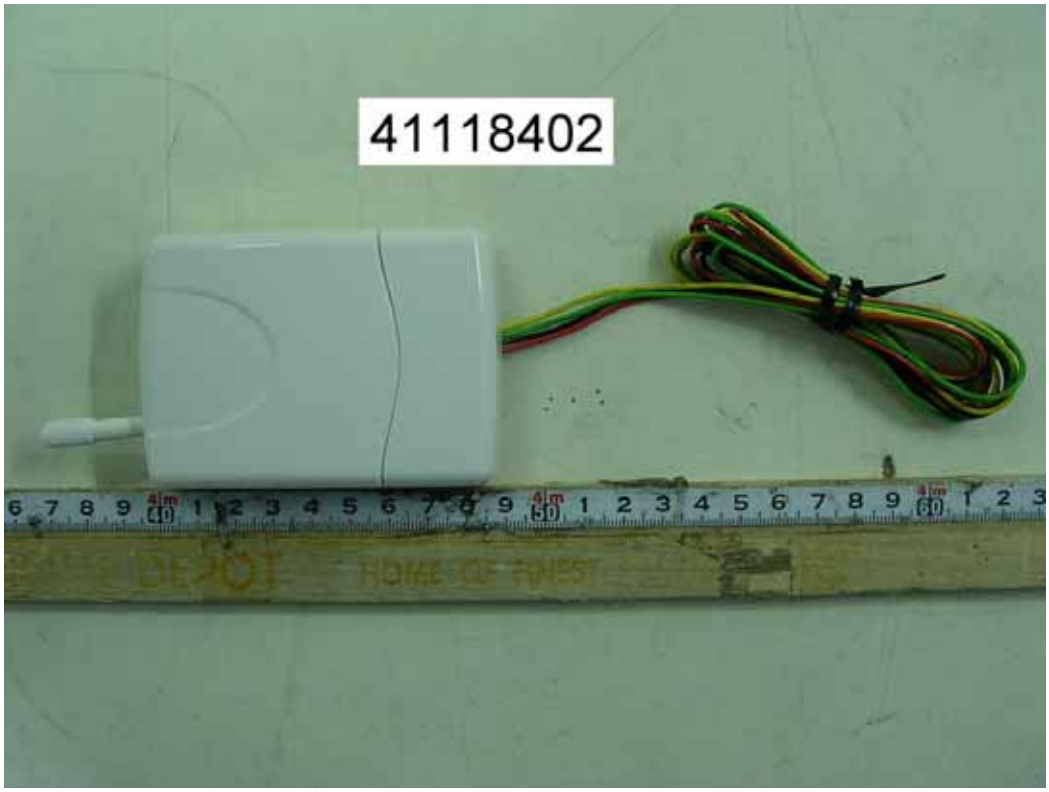
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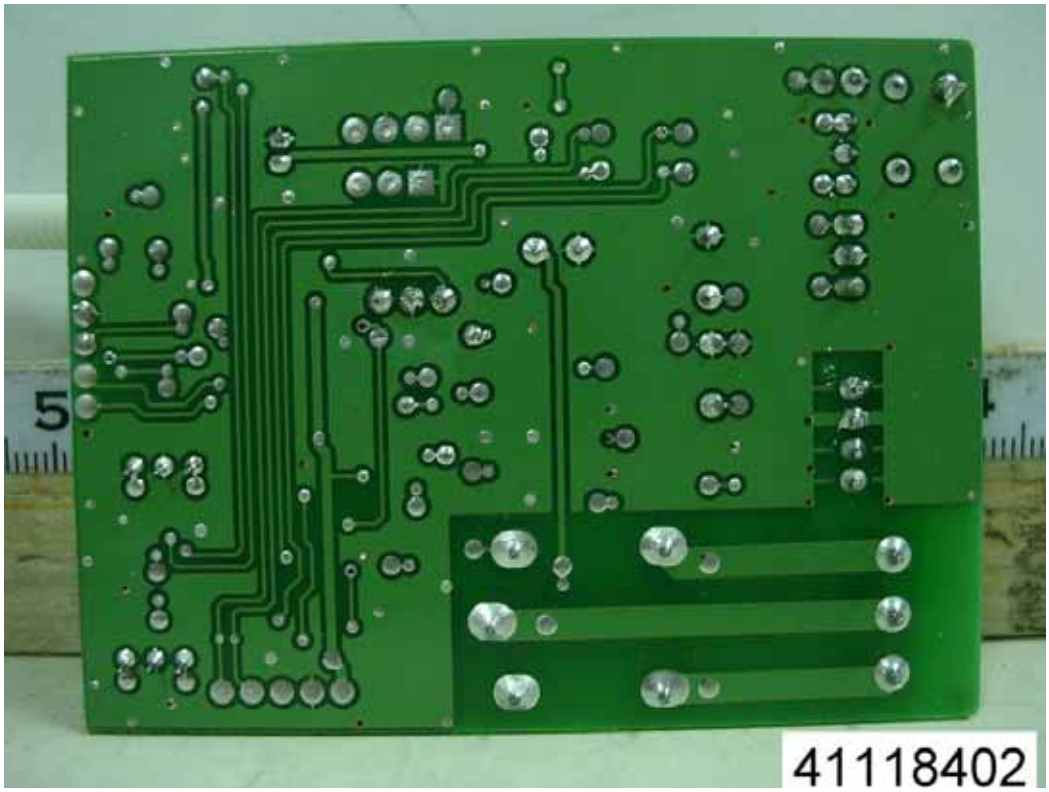
EV-KT1 REC3-V2
41118402


41118402

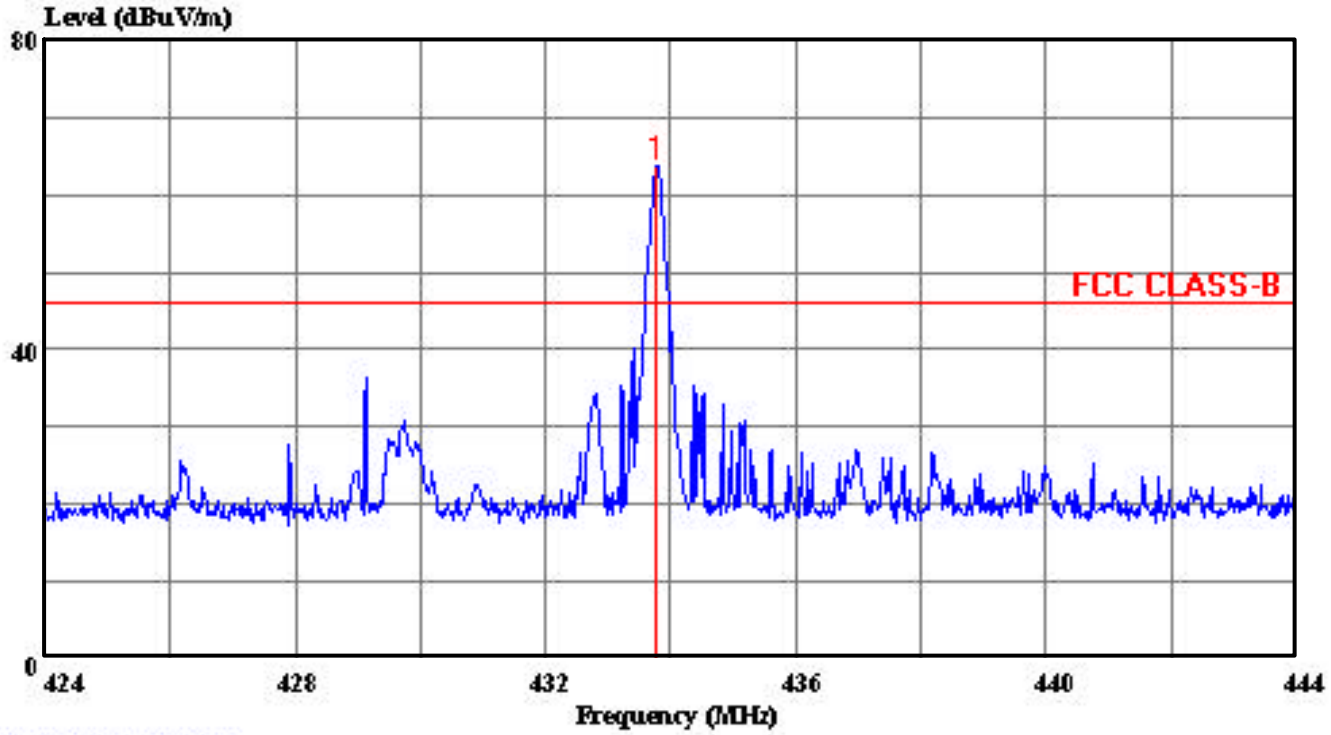
APPENDIX 3

TEST DATA

COMPLIANCE Engineering Service, Inc.
FCC,VCCI,CISPR,CE
UL,CSA,TUV

No. 199, Chung Sheng Road,
Hsin Tien City, Taipei,
Taiwan, R.O.C.
Tel:02-2217-0894 Fax:02-2217-1029

Data#: 4 File#: 41118402E.EMI Date: 2004-11-22 Time: 10:52:24



Trace: 3 Ref Trace:

Condition: VERTICAL
Report No. : 41118402
Test Engr. : JASON LEE
Company : Secure Wireless, Inc.
EUT : EV-REC3
Test Config : EUT / DC POWER
Type of Test: FCC 15.109
Mode of Op. : NORMAL MODE

		Freq	Read Level
		MHz	dBuV
1	*	433.780	71.24

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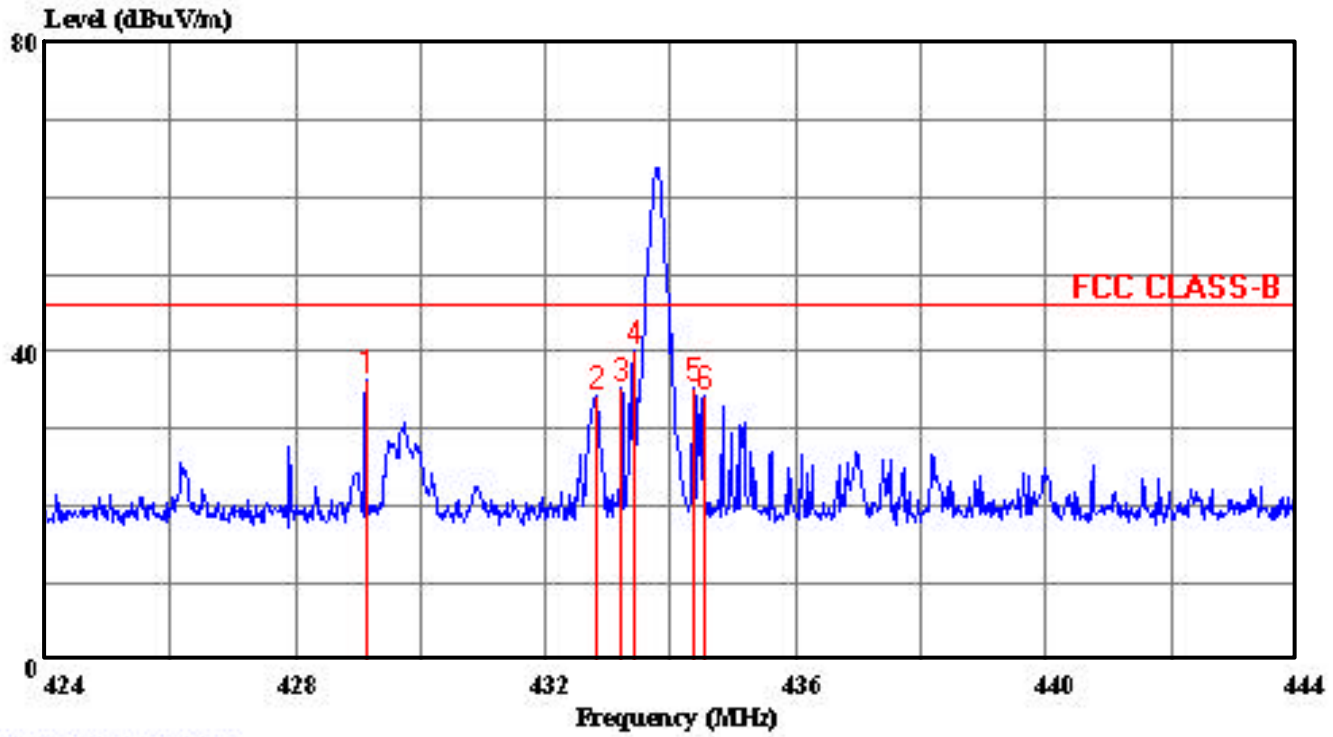

(Compliance E-Site)

Trace: 3 Ref Trace:

Condition: VERTICAL
Report No. : 41118402
Test Engr. : JASON LEE
Company : Secure Wireless, Inc.
EUT : EV-REC3
Test Config : EUT / DC POWER
Type of Test: FCC 15.109
Mode of Op. : NORMAL MODE

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	429.140	43.71	-7.49	36.23	46.00	-9.77	Peak
2	432.800	41.71	-7.45	34.26	46.00	-11.74	Peak
3	433.220	42.82	-7.45	35.37	46.00	-10.63	Peak
4	433.420	47.52	-7.45	40.07	46.00	-5.93	Peak
5	434.360	42.72	-7.41	35.31	46.00	-10.69	Peak
6	434.540	41.53	-7.40	34.13	46.00	-11.87	Peak

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Tel:02-2217-0894 Fax:02-2217-1029

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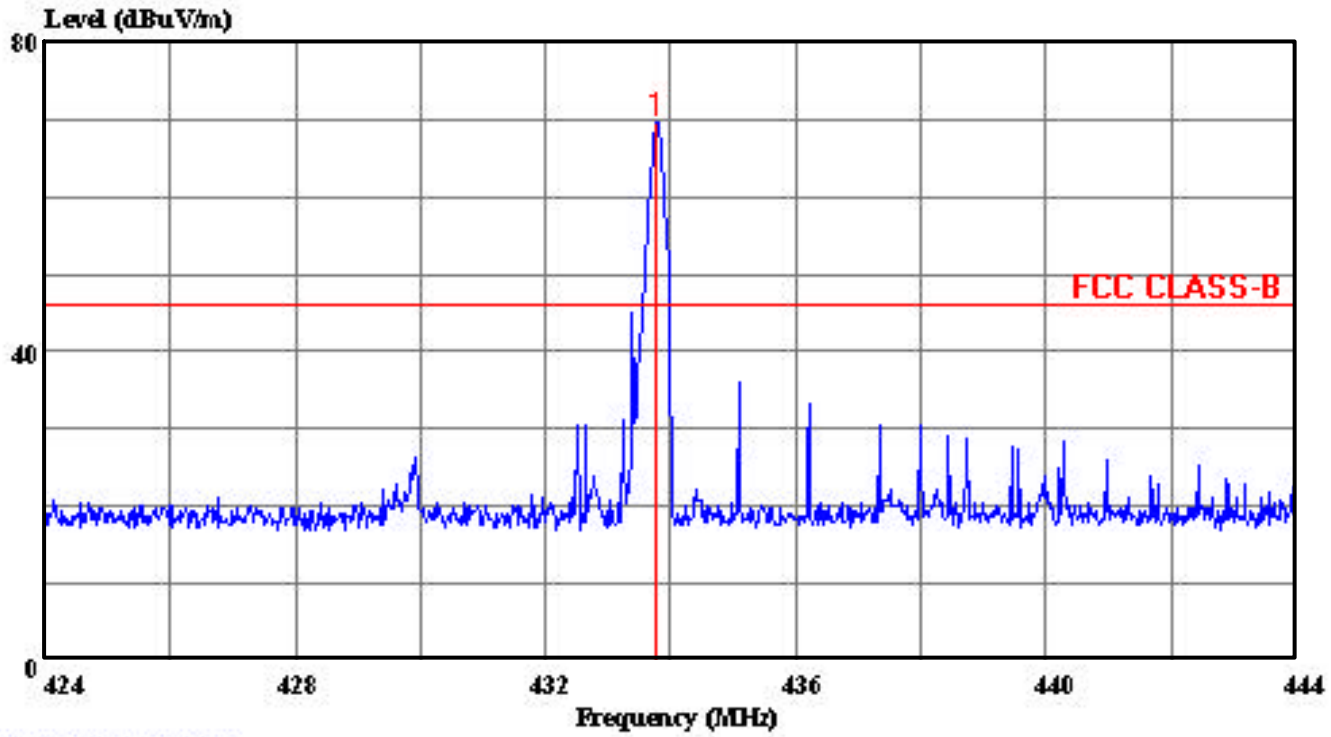

Trace: 6 Ref Trace:

Condition: HORIZONTAL
Report No. : 41118402
Test Engr. : JASON LEE
Company   : Secure Wireless, Inc.
EUT   : EV-REC3
Test Config : EUT / DC POWER
Type of Test: FCC 15.109
Mode of Op. : NORMAL MODE

	Freq	Read Level
	MHz	dBuV
1 *	433.780	77.13

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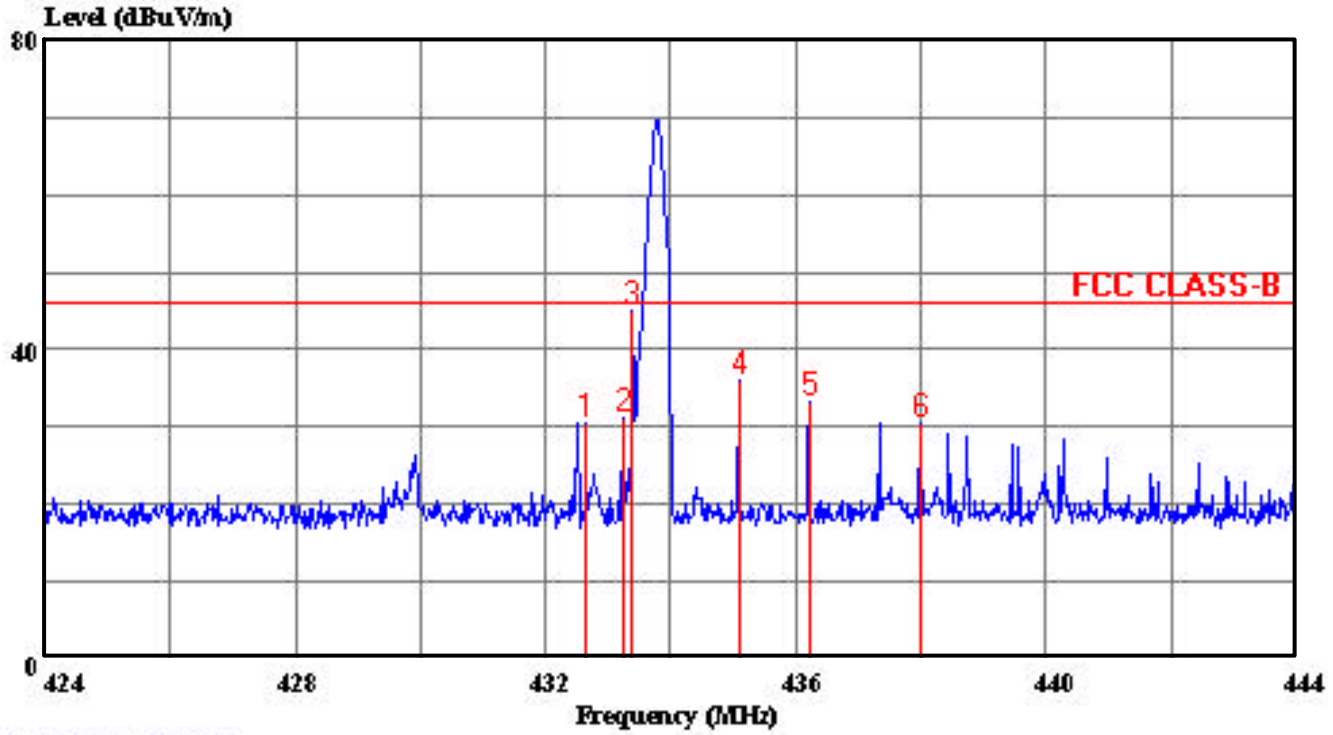

(Compliance E-Site)

Trace: 6 Ref Trace:

Condition: HORIZONTAL
Report No. : 41118402
Test Engr. : JASON LEE
Company : Secure Wireless, Inc.
EUT : EV-REC3
Test Config : EUT / DC POWER
Type of Test: FCC 15.109
Mode of Op. : NORMAL MODE

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	432.640	38.05	-7.44	30.61	46.00	-15.39	Peak
2	433.240	38.61	-7.45	31.16	46.00	-14.84	Peak
3	433.380	52.47	-7.45	45.02	46.00	-0.98	Peak
4	435.080	43.43	-7.37	36.06	46.00	-9.94	Peak
5	436.220	40.49	-7.38	33.11	46.00	-12.89	Peak
6	437.980	37.95	-7.37	30.58	46.00	-15.42	Peak

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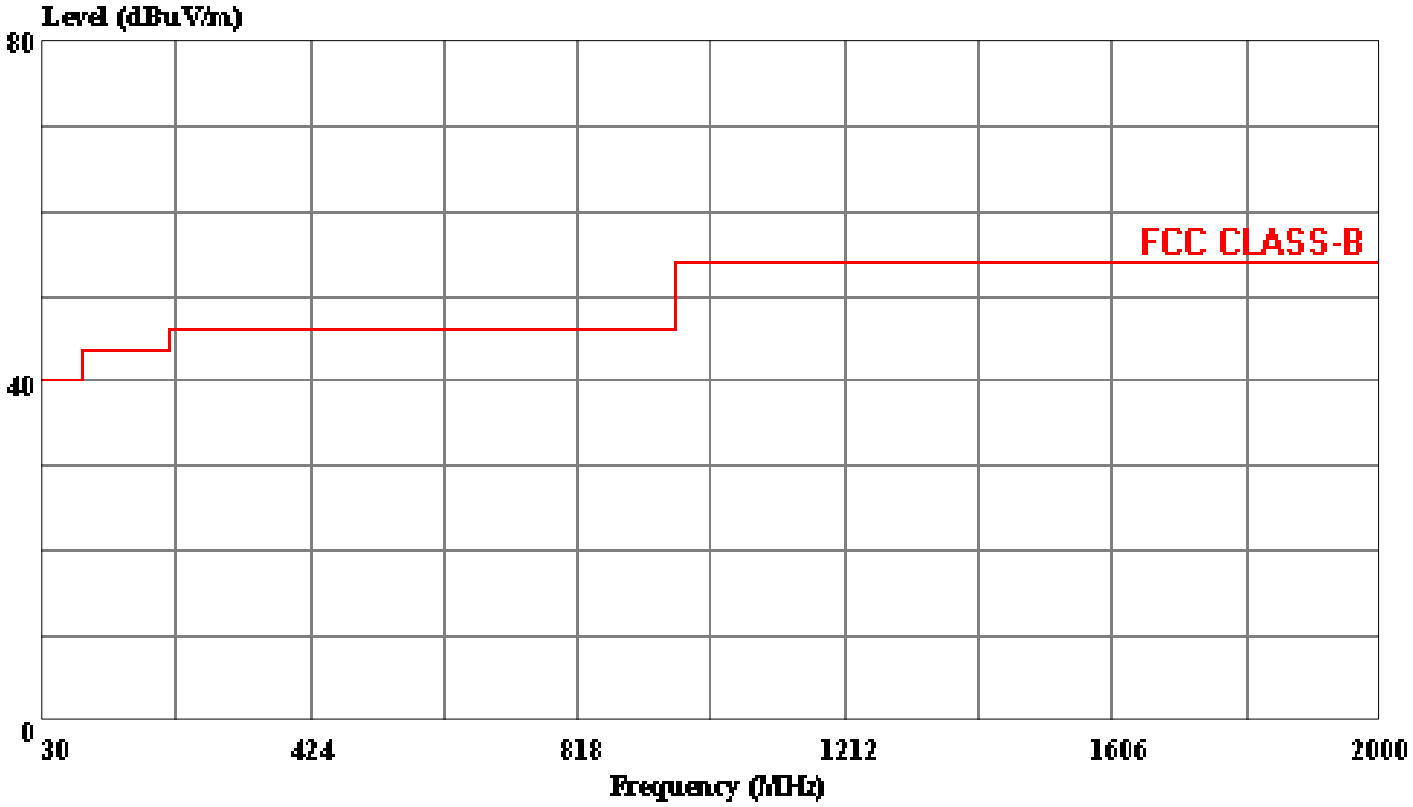

(Compliance E-Site)

Trace: Ref Trace:

Condition:
Report No. : 41118402
Test Engr. : JASON LEE
Company : Secure Wireless, Inc.
EUT : EV-REC3
Test Config : EUT / DC POWER
Type of Test: FCC 15.109
Mode of Op. : NORMAL MODE
  : No other emissions were found within
  : 10dB below the limits from 30-2000MHz.