



Engineering and Testing for EMC and Safety Compliance

FCC 15.231 Radiated Test Data

for

**Model: RE304D
433.92 MHz Driveway Sensor**

for

Resolution Engineering

RTL Project Number 2010170

Test Engineer: Jon Wilson

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These tests are accredited and meet the requirements of ISO/IEC 17025 as verified by ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and scope of accreditation AT-1445.

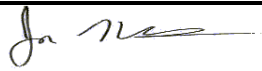
Radiated Emissions Test Data – FCC Limits B / 3m Distance

Emission Frequency (MHz)	Test Detector	Antenna Polarity (H/V)	Analyzer Reading (dBuV)	Site Correction Factor (dB/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pass/Fail
433.933	Peak	H	62.9	31.5	94.4	100.8	-6.4	Pass
867.856	Peak	V	57.6	-2.8	54.8	80.8	-26.0	Pass
1301.789	Peak	H	51.3	3.7	55.0	80.8	-25.8	Pass
1735.722	Peak	H	51.8	8.1	59.9	80.8	-20.9	Pass
2169.650	Peak	V	46.6	3.3	49.9	80.8	-30.9	Pass
2603.580	Peak	H	53.6	5.3	58.9	80.8	-21.9	Pass
3037.510	Peak	H	46.9	7.6	54.5	80.8	-26.3	Pass
3471.440	Peak	H	45.5	8.1	53.6	80.8	-27.2	Pass
3905.370	Peak	V	43.3	10.1	53.4	80.8	-27.4	Pass
4339.300	Peak	V	37.2	9.9	47.1	80.8	-33.7	Pass

Radiated Emissions Test Equipment

Part	Manufacturer	Model	Serial Number	RTL Bar Code	Calibration Due Date
Amplifier (20 MHz-2 GHz)	Rhein Tech Laboratories, Inc.	PR-1040	900905	900905	4/10/11
Bilog Periodic Antenna (25 MHz-2 GHz)	Schaffner Chase	CBL6112	2099	900791	12/12/10
EMI Receiver RF Section (9 KHz-6.5 GHz)	Hewlett Packard	85462A	3325A00159	900913	8/2/11
RF Filter Section (100 KHz-6.5 GHz)	Hewlett Packard	85460A	3330A00107	900914	8/2/11
Amplifier (1 GHz-26.4 GHz)	Miteq	JS4-01002600-36-5P	849863	901364	2/22/11
Antenna (1-18 GHz)	ETS	3115	6748	901262	5/1/11
Emissions Testing Software	Rhein Tech Laboratories, Inc.	Automated Emission Tester	Rev. 14.0.2	N/A	N/A

Test Personnel:

Jon Wilson		September 3,7, 2010
Test Engineer	Signature	Date of Test

Test Configuration Photographs

X-Axis



Y-Axis



Z-Axis

