Airtraq LLC

ATQ-032

October 15, 2007

Report No. AIRT0003 Rev 01

Report Prepared By

www.nwemc.com
1-888-EMI-CERT

EMC Test Report

NORTHWEST EMC

22975 NW Evergreen Parkway
Suite 400
Hillsboro, Oregon 97124

Certificate of Test

Issue Date: October 15, 2007
Airtraq LLC
Model: ATQ-032

Emissions			
Test Description	**Specification**	**Test Method**	**Pass/Fail**
Field Strength of Fundamental	FCC 15.249:2006	ANSI C63.4:2003	**Pass**
Field Strength of Spurious Emissions	FCC 15.249:2006	ANSI C63.4:2003	**Pass**
AC Powerline Conducted Emissions	FCC 15.207:2006	ANSI C63.4:2003	**Pass**

Modifications made to the product
See the Modifications section of this report

Test Facility

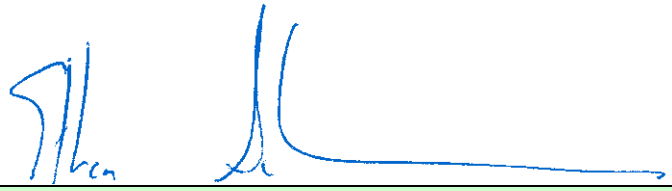
The measurement facility used to collect the data is located at:

Northwest EMC, Inc.
22975 NW Evergreen Parkway, Suite 400
Hillsboro, OR 97124

Phone: (503) 844-4066 Fax: 844-3826

This site has been fully described in a report filed with and accepted by the FCC (Federal Communications Commission) and Industry Canada.

Approved By:



Ethan Schoonover, Sultan Lab Manager

NVLAP Lab Code: 200630-0

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

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.

NORTHWEST EMC

22975 NW Evergreen Parkway
Suite 400
Hillsboro, Oregon 97124

Certificate of Test

Issue Date: October 15, 2007
Airtraq LLC
Model: ATQ-032

Emissions			
Test Description	**Specification**	**Test Method**	**Pass/Fail**
AC Powerline Conducted Emissions	FCC 15.107:2006 Class A	ANSI C63.4:2003	**Pass**

Modifications made to the product
See the Modifications section of this report

Test Facility

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Revision Number	Description	Date	Page Number
01	Removed R3 from model name	11/19/07	1-3, 8-10, 13, 17-20, 24-29

Accreditations and Authorizations

FCC: Accredited by NVLAP for performance of FCC radio, digital, and ISM device testing. Our Open Area Test Sites, certification chambers, and conducted measurement facilities have been fully described in reports filed with the FCC and accepted by the FCC in letters maintained in our files. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by the FCC as a Telecommunications Certification Body (TCB). This allows Northwest EMC to certify transmitters to FCC specifications in accordance with 47 CFR 2.960 and 2.962.

NVLAP: Northwest EMC, Inc. is accredited under the United States Department of Commerce, National Institute of Standards and Technology, and National Voluntary Laboratory Accreditation Program for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 2004/108/EC, and ANSI C63.4. Additionally, Northwest EMC is accredited by NVLAP to perform radio testing in accordance with the European Union R&TTE Directive 1999/5/EEC, the requirements of FCC, and the RSS radio standards for Industry Canada.

NVLAP LAB CODE 200629-0
NVLAP LAB CODE 200630-0
NVLAP LAB CODE 200676-0
NVLAP LAB CODE 200761-0

Industry Canada: Accredited by NVLAP for performance of Industry Canada RSS and ICES testing. Our Open Area Test Sites and certification chambers comply with RSS 212, Issue 1 (Provisional) and have been filed with Industry Canada and accepted. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by NIST and recognized by Industry Canada as a Certification Body (CB) per the APEC Mutual Recognition Arrangement (MRA). This allows Northwest EMC to certify transmitters to Industry Canada technical requirements.

CAB: Designated by NIST and validated by the European Commission as a Conformity Assessment Body (CAB) to conduct tests and approve products to the EMC directive and transmitters to the R&TTE directive, as described in the U.S. - EU Mutual Recognition Agreement.

TÜV Product Service: Included in TUV Product Service Group's Listing of Recognized Laboratories. It qualifies in connection with the TUV Certification after Recognition of Agent's Testing Program for the product categories and/or standards shown in TUV's current Listing of CARAT Laboratories, available from TUV. A certificate was issued to represent that this laboratory continues to meet TUV's CARAT Program requirements. Certificate No. USA0604C.

TÜV Rheinland: Authorized to carryout EMC tests by order and under supervision of TÜV Rheinland. This authorization is based on "Conditions for EMC-Subcontractors" of November 1992.

NEMKO: Assessed and accredited by NEMKO (Norwegian testing and certification body) for European emissions and immunity testing. As a result of NEMKO's laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification (Authorization No. ELA 119).

Australia/New Zealand: The National Association of Testing Authorities (NATA), Australia has been appointed by the ACA as an accreditation body to accredit test laboratories and competent bodies for EMC standards. Accredited test reports or assessments by competent bodies must carry the NATA logo. Test reports made by an overseas laboratory that has been accredited for the relevant standards by an overseas accreditation body that has a Mutual Recognition Agreement (MRA) with NATA are also accepted as technical grounds for product conformity. The report should be endorsed with the respective logo of the accreditation body (NVLAP).

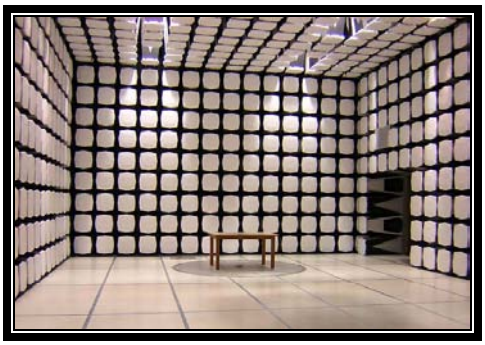
VCCI: Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. *(Registration Numbers. - Hillsboro: C-1071, R-1025, C-2687, T-289, and R-2318, Irvine: R-1943, C-2766, and T-298, Sultan: R-871, C-1784, and T-294).*

BSMI: Northwest EMC has been designated by NIST and validated by C-Taipei (BSMI) as a CAB to conduct tests as described in the APEC Mutual Recognition Agreement. License No.SL2-IN-E-1017.

GOST: Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification

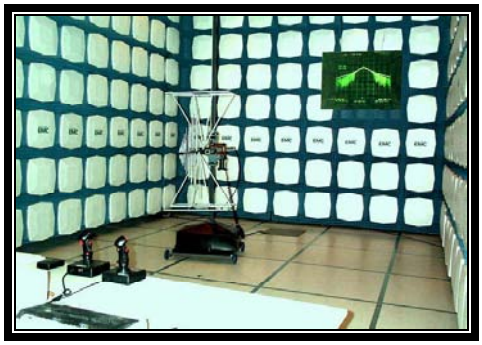
SCOPE

For details on the Scopes of our Accreditations, please visit:
http://www.nwemc.com/scope.asp



California – Orange County Facility
Labs OC01 – OC13

41 Tesla Ave. Irvine, CA 92618
(888) 364-2378 Fax: (503) 844-3826



Oregon – Evergreen Facility
Labs EV01 – EV11

22975 NW Evergreen Pkwy. Suite 400 Hillsboro, OR 97124
(503) 844-4066 Fax: (503) 844-3826

Washington – Sultan Facility
Labs SU01 – SU07

14128 339th Ave. SE Sultan, WA 98294
(888) 364-2378

Party Requesting the Test

Company Name:	Airtraq LLC
Address:	3460 Pointe Creek Court
City, State, Zip:	Bonita Springs, FL 34134-2015
Test Requested By:	Paul Dryden
Model:	ATQ-032
First Date of Test:	September 27, 2007
Last Date of Test:	October 4, 2007
Receipt Date of Samples:	September 27, 2007
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):

The Airtraq Camera has been specially designed to work as an accessory for the AIRTRAQ Optical Laryngoscope. The Camera provides the ability to transmit the images of the glottis obtained when intubating to an external monitor (e.g. any monitor In the operating room, any other portable monitor which has a composite (RCA) video input or even a laptop computer through a video capture card. It provides full color, real-time images.

Testing Objective:

These tests were selected to satisfy the EMC requirements for the FCC.

CONFIGURATION 1 AIRT0003

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
EUT - Camera	AIRWAVE TECHNOLOGIES INC.	ATQ-032	Unknown

CONFIGURATION 10 AIRT0002

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Receiver	Airtraq	None	None
EUT - Camera	AIRWAVE TECHNOLOGIES INC.	ATQ-032	Unknown
LCD Power adapter	Sunny	STD-1204	0503286128

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
LCD Display	X2gen	MV17FU	MV17FU2005040001290

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
AC Mains	No	1.7m	No	AC Mains	Receiver
Video Coax	Yes	3.7m	No	Receiver	Monitor
DC Lead	No	1.0m	No	Power Adapter	LCD Display
AC Mains	No	1.7m	No	AC Mains	LCD Power adapter
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

CONFIGURATION 12 AIRT0002

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
EUT - Camera	AIRWAVE TECHNOLOGIES INC.	ATQ-032	Unknown
Power Adapter	AIRWAVE TECHNOLOGIES INC.	FY0850500	Unknown

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
DC Leads	No	1.5m	No	Power Adapter	EUT - Camera
AC Mains	No	1.8m	No	AC Mains	Power Adapter
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

CONFIGURATION 13 AIRT0002

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Receiver	Airtraq	None	None
EUT - Camera	AIRWAVE TECHNOLOGIES INC.	ATQ-032	Unknown

Remote Equipment Outside of Test Setup Boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Monitor	Provideo	VM-901B	9907000089

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
AC Mains	No	1.7m	No	AC Mains	Receiver
Video Coax	Yes	3.7m	No	Receiver	Monitor
AC Mains	No	1.7m	No	AC Mains	Monitor
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

Equipment modifications					
Item	Date	Test	Modification	Note	Disposition of EUT
1	9/27/2007	Field Strength of Fundamental	Modified from delivered configuration. Initial or No Modification	Unit labeled as '6 dB DBC Resisencias' provided as sample passed field strength of fundamental. Modification done by Customer.	EUT remained at Northwest EMC following the test.
2	9/28/2007	Field Strength of Spurious Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	10/4/2007	AC Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

FIELD STRENGTH OF FUNDAMENTAL

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmitting typical modulation

POWER SETTINGS INVESTIGATED

Battery

FREQUENCY RANGE INVESTIGATED

Start Frequency	2400 MHz	Stop Frequency	2483.5 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4446A	AAT	12/7/2006	13
Antenna, Horn	EMCO	3115	AHC	8/24/2006	24
EV01 cables g,h,j			EVB	5/10/2007	13

MEASUREMENT BANDWIDTHS

	Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was transmitting and/or receiving while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.4:2003).

NORTHWEST EMC

FIELD STRENGTH OF FUNDAMENTAL

PSA 2007.05.07
EMI 2006.11.29

EUT:	ATQ-032	Work Order:	AIRT0003
Serial Number:	6 DCB resisencias	Date:	09/27/07
Customer:	Airtraq LLC	Temperature:	24
Attendees:	None	Humidity:	39%
Project:	None	Barometric Pres.:	29.93
Tested by:	Rod Peloquin	Power: Battery	Job Site: EV01

TEST SPECIFICATIONS	Test Method
FCC 15.249:2006	ANSI C63.4:2003

TEST PARAMETERS			
Antenna Height(s) (m)	1 - 4	Test Distance (m)	3

COMMENTS

EUT OPERATING MODES

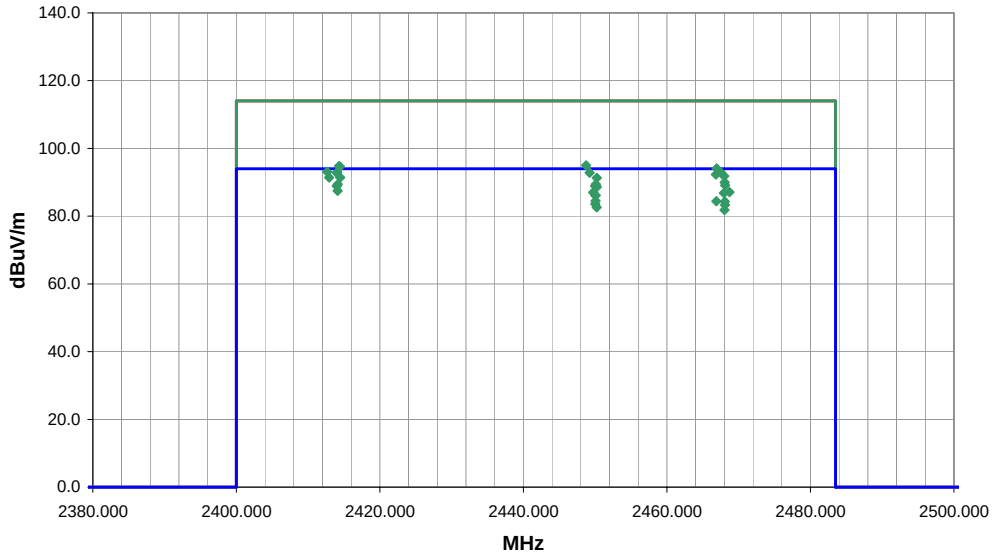
Transmitting typical modulation

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	4
Configuration #	1
Results	Pass

Signature



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
2414.038	59.8	33.2	140.0	1.3	0.0	0.0	H-Horn	AV	0.0	93.0	94.0	-1.0	Low channel, EUT on side
2414.018	59.5	33.2	75.0	1.2	0.0	0.0	H-Horn	AV	0.0	92.7	94.0	-1.3	Low channel, EUT vertical
2467.973	58.5	33.3	159.0	1.2	0.0	0.0	H-Horn	AV	0.0	91.8	94.0	-2.2	High channel, EUT on side
2468.047	56.7	33.3	33.0	1.0	0.0	0.0	H-Horn	AV	0.0	90.0	94.0	-4.0	High channel, EUT vertical
2414.125	56.2	33.2	162.0	1.2	0.0	0.0	V-Horn	AV	0.0	89.4	94.0	-4.6	Low channel, EUT horizontal
2450.107	56.1	33.3	72.0	1.2	0.0	0.0	H-Horn	AV	0.0	89.4	94.0	-4.6	Mid channel, EUT vertical
2468.113	55.8	33.3	177.0	1.2	0.0	0.0	V-Horn	AV	0.0	89.1	94.0	-4.9	High channel, EUT horizontal
2414.005	55.7	33.2	87.0	1.0	0.0	0.0	V-Horn	AV	0.0	88.9	94.0	-5.1	Low channel, EUT on side
2449.993	55.7	33.2	179.0	1.2	0.0	0.0	V-Horn	AV	0.0	88.9	94.0	-5.1	Mid channel, EUT horizontal
2414.105	54.3	33.2	134.0	1.1	0.0	0.0	H-Horn	AV	0.0	87.5	94.0	-6.5	Low channel, EUT horizontal
2450.067	52.8	33.3	232.0	1.0	0.0	0.0	H-Horn	AV	0.0	86.1	94.0	-7.9	Mid channel, EUT vertical
2450.047	51.2	33.3	135.0	1.0	0.0	0.0	V-Horn	AV	0.0	84.5	94.0	-9.5	Mid channel, EUT vertical
2468.067	51.0	33.3	316.0	1.1	0.0	0.0	V-Horn	AV	0.0	84.3	94.0	-9.7	High channel, EUT on side
2450.013	50.3	33.3	318.0	1.1	0.0	0.0	V-Horn	AV	0.0	83.6	94.0	-10.4	Mid channel, EUT on side
2468.093	50.0	33.3	128.0	1.0	0.0	0.0	H-Horn	AV	0.0	83.3	94.0	-10.7	High channel, EUT horizontal
2450.207	49.4	33.2	134.0	1.1	0.0	0.0	H-Horn	AV	0.0	82.6	94.0	-11.4	Mid channel, EUT horizontal
2468.033	48.5	33.3	284.0	1.1	0.0	0.0	V-Horn	AV	0.0	81.8	94.0	-12.2	High channel, EUT vertical
2448.747	61.7	33.3	153.0	1.2	0.0	0.0	H-Horn	PK	0.0	95.0	114.0	-19.0	Mid channel, EUT on side
2414.325	61.6	33.2	140.0	1.3	0.0	0.0	H-Horn	PK	0.0	94.8	114.0	-19.2	Low channel, EUT on side
2414.425	61.4	33.2	75.0	1.2	0.0	0.0	H-Horn	PK	0.0	94.6	114.0	-19.4	Low channel, EUT vertical

FIELD STRENGTH OF FUNDAMENTAL

FIELD STRENGTH OF FUNDAMENTAL

Spurious Radiated Emissions

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION
Transmitting typical modulation, low channel
Transmitting typical modulation, mid channel
Transmitting typical modulation, high channel

POWER SETTINGS INVESTIGATED
Battery

FREQUENCY RANGE INVESTIGATED			
Start Frequency	30 MHz	Stop Frequency	26 GHz

CLOCKS AND OSCILLATORS
Not provided

SAMPLE CALCULATIONS
Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4446A	AAT	12/7/2006	13
High Pass Filter	Micro-Tronics	HPM50111	HFO	12/29/2006	13
EV01 cables g,h,I			EVF	5/10/2007	13
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVD	6/22/2007	13
Antenna, Horn	EMCO	3160-08	AHK	NCR	0
EV01 Cable D			EVD	7/25/2007	13
Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	7/25/2007	13
Antenna, Horn	EMCO	3160-09	AHG	NCR	0
EV01 cables g,h,j			EVB	5/10/2007	13
Pre-Amplifier	Miteq	AMF-4D-010100-24-10P	APW	5/10/2007	13
Antenna, Horn	EMCO	3115	AHC	8/24/2006	24
EV01 cables c,g, h			EVA	12/29/2006	13
Pre-Amplifier	Miteq	AM-1616-1000	AOL	12/29/2006	13
Antenna, Biconilog	EMCO	3141	AXE	12/28/2005	24

MEASUREMENT BANDWIDTHS

	Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0
Measurements were made using the bandwidths and detectors specified. No video filter was used.				

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, a final radiated emissions test was performed. The frequency range investigated (scanned), is also noted in this report. Radiated emissions measurements were made at the EUT azimuth and antenna height such that the maximum radiated emissions level will be detected. This requires the use of a turntable and an antenna positioner. The preferred method of a continuous azimuth search is utilized for frequency scans of the EUT field strength with both polarities of the measuring antenna. A calibrated, linearly polarized antenna was positioned at the specified distance from the periphery of the EUT.

Tests were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna was varied in height above the conducting ground plane to obtain the maximum signal strength. Though specified in the report, the measurement distance shall be 3 meters or 10 meters. At any measurement distance, the antenna height was varied from 1 meter to 4 meters. These height scans apply for both horizontal and vertical polarization, except that for vertical polarization the minimum height of the center of the antenna shall be increased so that the lowest point of the bottom of the antenna clears the ground surface by at least 25 cm.

NORTHWEST EMC

Spurious Radiated Emissions

PSA 2007.05.07
EMI 2006.11.29

EUT:	ATQ-032			**Work Order:**	AIRT0003
Serial Number:	6 DCB resisencias			**Date:**	09/28/07
Customer:	Airtraq LLC			**Temperature:**	24
Attendees:	None			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	29.93
Tested by:	Rod Peloquin	**Power:**	Battery	**Job Site:**	EV01

TEST SPECIFICATIONS	Test Method
FCC 15.249:2006	ANSI C63.4:2003

TEST PARAMETERS			
Antenna Height(s) (m)	1 - 4	**Test Distance (m)**	3

COMMENTS

EUT OPERATING MODES

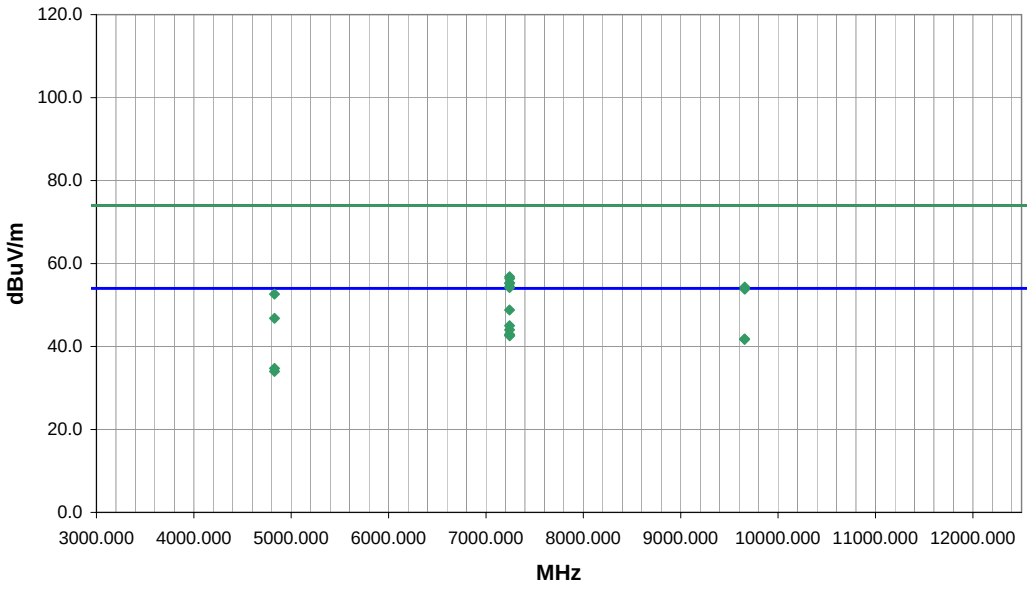
Transmitting typical modulation, low channel

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	5
Configuration #	1
Results	Pass

Signature



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
7242.430	35.4	13.4	14.0	1.2	3.0	0.0	V-Horn	AV	0.0	48.8	54.0	-5.2	EUT on side
7242.464	31.6	13.4	178.0	1.4	3.0	0.0	H-Horn	AV	0.0	45.0	54.0	-9.0	EUT vertical
7242.455	30.6	13.4	21.0	1.6	3.0	0.0	V-Horn	AV	0.0	44.0	54.0	-10.0	EUT vertical
7242.364	29.5	13.4	184.0	1.3	3.0	0.0	H-Horn	AV	0.0	42.9	54.0	-11.1	EUT on side
7242.522	29.3	13.4	190.0	1.6	3.0	0.0	V-Horn	AV	0.0	42.7	54.0	-11.3	EUT horizontal
7243.247	29.2	13.4	354.0	1.4	3.0	0.0	H-Horn	AV	0.0	42.6	54.0	-11.4	EUT horizontal
9656.439	26.0	15.8	271.0	1.4	3.0	0.0	V-Horn	AV	0.0	41.8	54.0	-12.2	EUT on side
9656.705	25.9	15.8	7.0	1.3	3.0	0.0	H-Horn	AV	0.0	41.7	54.0	-12.3	EUT vertical
7242.814	43.4	13.4	14.0	1.2	3.0	0.0	V-Horn	PK	0.0	56.8	74.0	-17.2	EUT on side
7244.255	43.0	13.4	354.0	1.4	3.0	0.0	H-Horn	PK	0.0	56.4	74.0	-17.6	EUT horizontal
7243.347	41.9	13.4	190.0	1.6	3.0	0.0	V-Horn	PK	0.0	55.3	74.0	-18.7	EUT horizontal
7242.422	41.8	13.4	178.0	1.4	3.0	0.0	H-Horn	PK	0.0	55.2	74.0	-18.8	EUT vertical
4828.247	27.2	7.5	36.0	1.0	3.0	0.0	V-Horn	AV	0.0	34.7	54.0	-19.3	EUT on side
7241.972	41.0	13.4	184.0	1.3	3.0	0.0	H-Horn	PK	0.0	54.4	74.0	-19.6	EUT on side
9657.522	38.5	15.8	7.0	1.3	3.0	0.0	H-Horn	PK	0.0	54.3	74.0	-19.7	EUT vertical
7242.472	40.8	13.4	21.0	1.6	3.0	0.0	V-Horn	PK	0.0	54.2	74.0	-19.8	EUT vertical
4828.214	26.5	7.5	296.0	1.3	3.0	0.0	H-Horn	AV	0.0	34.0	54.0	-20.0	EUT vertical
9657.564	38.0	15.8	271.0	1.4	3.0	0.0	V-Horn	PK	0.0	53.8	74.0	-20.2	EUT on side
4828.547	45.1	7.5	296.0	1.3	3.0	0.0	H-Horn	PK	0.0	52.6	74.0	-21.4	EUT vertical
4828.322	39.3	7.5	36.0	1.0	3.0	0.0	V-Horn	PK	0.0	46.8	74.0	-27.2	EUT on side

NORTHWEST EMC

Spurious Radiated Emissions

PSA 2007.05.07
EMI 2006.11.29

EUT:	ATQ-032	Work Order:	AIRT0003
Serial Number:	6 DCB resisencias	Date:	09/28/07
Customer:	Airtraq LLC	Temperature:	24
Attendees:	None	Humidity:	39%
Project:	None	Barometric Pres.:	29.93
Tested by:	Rod Peloquin	Power: Battery	Job Site: EV01

TEST SPECIFICATIONS	Test Method
FCC 15.249:2006	ANSI C63.4:2003

TEST PARAMETERS			
Antenna Height(s) (m)	1 - 4	Test Distance (m)	0

COMMENTS

EUT OPERATING MODES

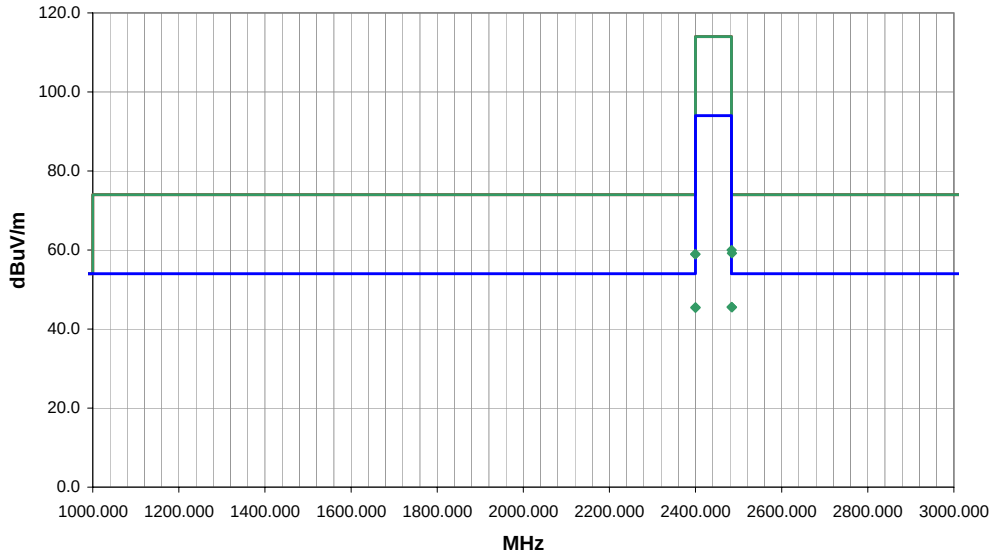
Transmitting typical modulation

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	6
Configuration #	1
Results	Pass

Signature



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
2483.725	25.2	0.4	273.0	1.0	0.0	20.0	H-Horn	AV	0.0	45.6	54.0	-8.4	High channel, EUT vertical
2399.840	25.1	0.4	154.0	1.0	0.0	20.0	V-Horn	AV	0.0	45.5	54.0	-8.5	Low channel, EUTon side
2484.547	25.1	0.4	276.0	2.8	0.0	20.0	V-Horn	AV	0.0	45.5	54.0	-8.5	High channel, EUTon side
2399.905	25.0	0.4	63.0	1.0	0.0	20.0	H-Horn	AV	0.0	45.4	54.0	-8.6	Low channel, EUTvertical
2483.938	39.6	0.4	270.0	1.0	0.0	20.0	H-Horn	PK	0.0	60.0	74.0	-14.0	High channel, EUT vertical
2484.488	38.8	0.4	276.0	2.8	0.0	20.0	V-Horn	PK	0.0	59.2	74.0	-14.8	High channel, EUTon side
2399.298	38.6	0.4	65.0	1.0	0.0	20.0	H-Horn	PK	0.0	59.0	74.0	-15.0	Low channel, EUTvertical
2399.518	38.5	0.4	154.0	1.0	0.0	20.0	V-Horn	PK	0.0	58.9	74.0	-15.1	Low channel, EUTon side

NORTHWEST EMC

Spurious Radiated Emissions

PSA 2007.05.07
EMI 2006.11.29

EUT:	ATQ-032			Work Order:	AIRT0003
Serial Number:	6 DCB resisencias			Date:	09/28/07
Customer:	Airtraq LLC			Temperature:	24
Attendees:	None			Humidity:	39%
Project:	None			Barometric Pres.:	29.93
Tested by:	Holly Ashkannejhad	Power:	Battery	Job Site:	EV01

TEST SPECIFICATIONS	Test Method
FCC 15.249:2006	ANSI C63.4:2003

TEST PARAMETERS			
Antenna Height(s) (m)	1 - 4	Test Distance (m)	3

COMMENTS

EUT OPERATING MODES

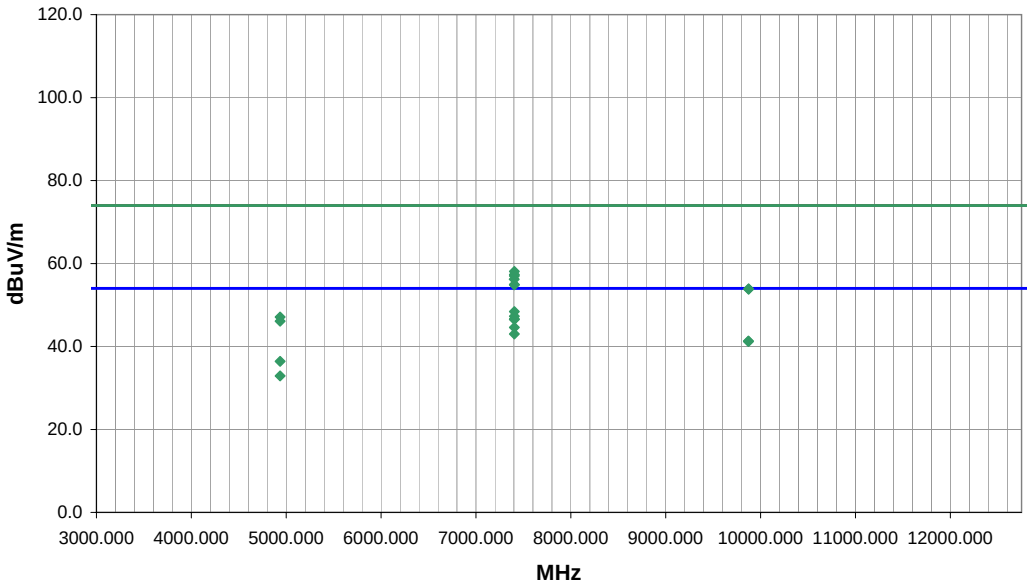
Transmitting typical modulation, high channel

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	7
Configuration #	1
Results	Pass

Signature Holly Ashkannejhad



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
7404.504	34.0	14.4	130.0	1.3	3.0	0.0	H-Horn	AV	0.0	48.4	54.0	-5.6	EUT vertical
7404.189	32.9	14.4	29.0	1.0	3.0	0.0	V-Horn	AV	0.0	47.3	54.0	-6.7	EUT on side
7404.174	32.2	14.4	37.0	1.3	3.0	0.0	H-Horn	AV	0.0	46.6	54.0	-7.4	EUT on side
7404.314	32.1	14.4	124.0	1.3	3.0	0.0	H-Horn	AV	0.0	46.5	54.0	-7.5	EUT horizontal
7404.484	30.2	14.4	317.0	1.0	3.0	0.0	V-Horn	AV	0.0	44.6	54.0	-9.4	EUT Vertical
7404.586	28.6	14.4	-1.0	1.5	3.0	0.0	V-Horn	AV	0.0	43.0	54.0	-11.0	EUT horizontal
9871.940	25.1	16.2	272.0	1.0	3.0	0.0	V-Horn	AV	0.0	41.3	54.0	-12.7	EUT on side
9872.337	25.0	16.2	96.0	1.7	3.0	0.0	H-Horn	AV	0.0	41.2	54.0	-12.8	EUT vertical
7403.956	43.7	14.4	29.0	1.0	3.0	0.0	V-Horn	PK	0.0	58.1	74.0	-15.9	EUT on side
7403.954	42.9	14.4	37.0	1.3	3.0	0.0	H-Horn	PK	0.0	57.3	74.0	-16.7	EUT on side
7404.680	42.6	14.4	130.0	1.3	3.0	0.0	H-Horn	PK	0.0	57.0	74.0	-17.0	EUT vertical
4936.070	28.6	7.8	317.0	1.0	3.0	0.0	V-Horn	AV	0.0	36.4	54.0	-17.6	EUT on side
7403.587	41.8	14.4	124.0	1.3	3.0	0.0	H-Horn	PK	0.0	56.2	74.0	-17.8	EUT horizontal
7404.509	40.5	14.4	317.0	1.0	3.0	0.0	V-Horn	PK	0.0	54.9	74.0	-19.1	EUT Vertical
7404.932	40.5	14.4	-1.0	1.5	3.0	0.0	V-Horn	PK	0.0	54.9	74.0	-19.1	EUT horizontal
9872.890	37.7	16.2	272.0	1.0	3.0	0.0	V-Horn	PK	0.0	53.9	74.0	-20.1	EUT on side
9873.510	37.6	16.2	96.0	1.7	3.0	0.0	H-Horn	PK	0.0	53.8	74.0	-20.2	EUT vertical
4936.327	25.1	7.8	360.0	1.0	3.0	0.0	H-Horn	AV	0.0	32.9	54.0	-21.1	EUT vertical
4935.670	39.3	7.8	317.0	1.0	3.0	0.0	V-Horn	PK	0.0	47.1	74.0	-26.9	EUT on side
4936.303	38.3	7.8	360.0	1.0	3.0	0.0	H-Horn	PK	0.0	46.1	74.0	-27.9	EUT vertical

NORTHWEST EMC

Spurious Radiated Emissions

PSA 2007.05.07
EMI 2006.11.29

EUT:	ATQ-032			Work Order:	AIRT0003
Serial Number:	6 DCB resisencias			Date:	09/28/07
Customer:	Airtraq LLC			Temperature:	24
Attendees:	None			Humidity:	39%
Project:	None			Barometric Pres.:	29.93
Tested by:	Holly Ashkannejhad	Power:	Battery	Job Site:	EV01

TEST SPECIFICATIONS	Test Method
FCC 15.249:2006	ANSI C63.4:2003

TEST PARAMETERS			
Antenna Height(s) (m)	1 - 4	Test Distance (m)	3

COMMENTS

EUT OPERATING MODES

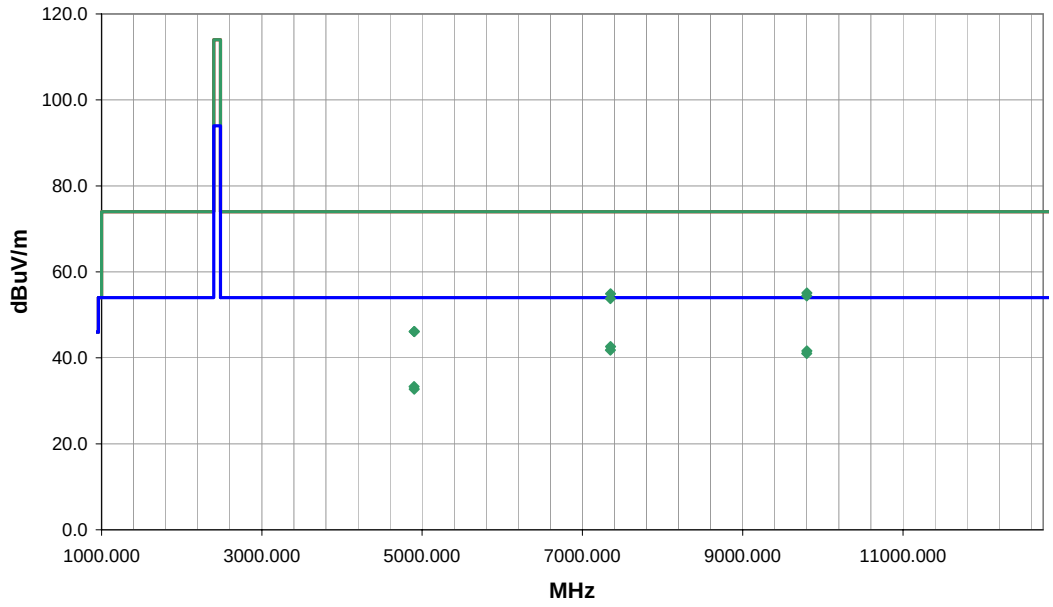
Transmitting typical modulation, mid channel

DEVIATIONS FROM TEST STANDARD

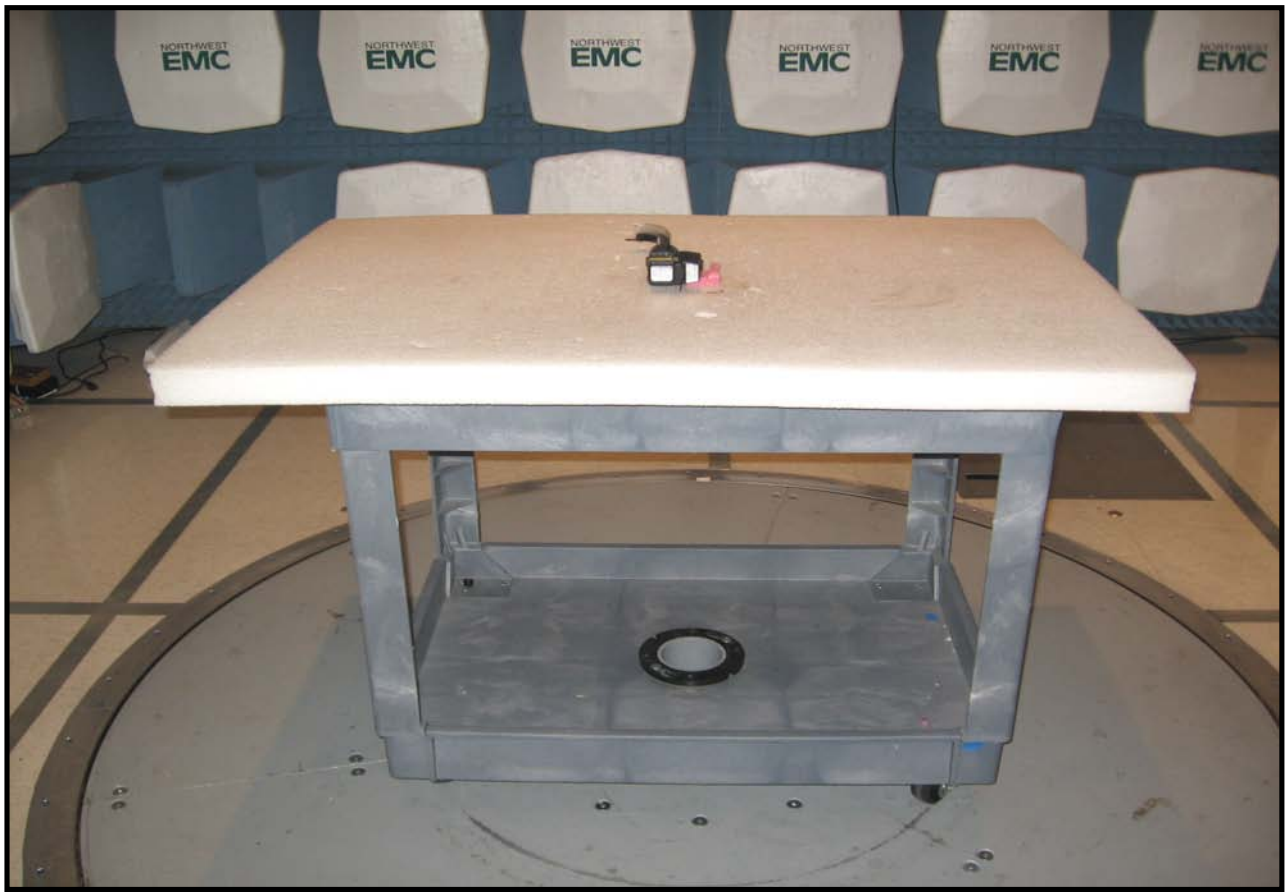
No deviations.

Run #	8
Configuration #	1
Results	Pass

Signature Holly Ashkannejhad



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
7350.229	28.6	14.0	328.0	1.0	3.0	0.0	H-Horn	AV	0.0	42.6	54.0	-11.4	EUT vertical
7349.888	27.7	14.1	109.0	1.1	3.0	0.0	V-Horn	AV	0.0	41.8	54.0	-12.2	EUT on side
9800.773	25.5	16.1	341.0	1.0	3.0	0.0	H-Horn	AV	0.0	41.6	54.0	-12.4	EUT vertical
9799.940	24.9	16.1	69.0	1.5	3.0	0.0	V-Horn	AV	0.0	41.0	54.0	-13.0	EUT on side
9800.443	39.0	16.1	69.0	1.5	3.0	0.0	V-Horn	PK	0.0	55.1	74.0	-18.9	EUT on side
7351.085	40.8	14.1	109.0	1.1	3.0	0.0	V-Horn	PK	0.0	54.9	74.0	-19.1	EUT on side
9799.887	38.3	16.1	341.0	1.0	3.0	0.0	H-Horn	PK	0.0	54.4	74.0	-19.6	EUT vertical
7349.589	39.7	14.1	328.0	1.0	3.0	0.0	H-Horn	PK	0.0	53.8	74.0	-20.2	EUT vertical
4899.990	25.6	7.7	334.0	1.0	3.0	0.0	V-Horn	AV	0.0	33.3	54.0	-20.7	EUT on side
4900.457	25.0	7.7	359.0	1.8	3.0	0.0	H-Horn	AV	0.0	32.7	54.0	-21.3	EUT vertical
4900.500	38.4	7.7	359.0	1.8	3.0	0.0	H-Horn	PK	0.0	46.1	74.0	-27.9	EUT vertical
4900.747	38.4	7.7	334.0	1.0	3.0	0.0	V-Horn	PK	0.0	46.1	74.0	-27.9	EUT on side


NORTHWEST
EMC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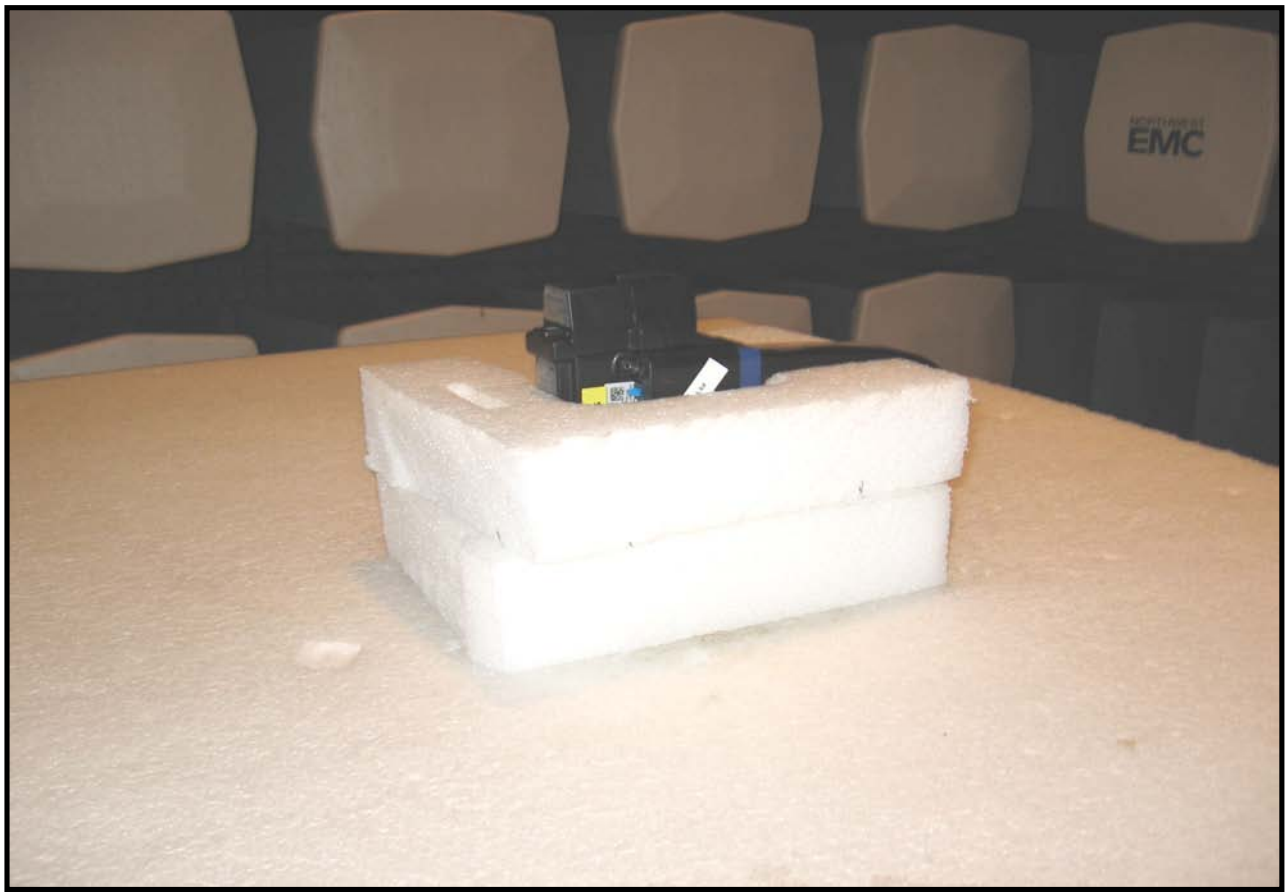
EMC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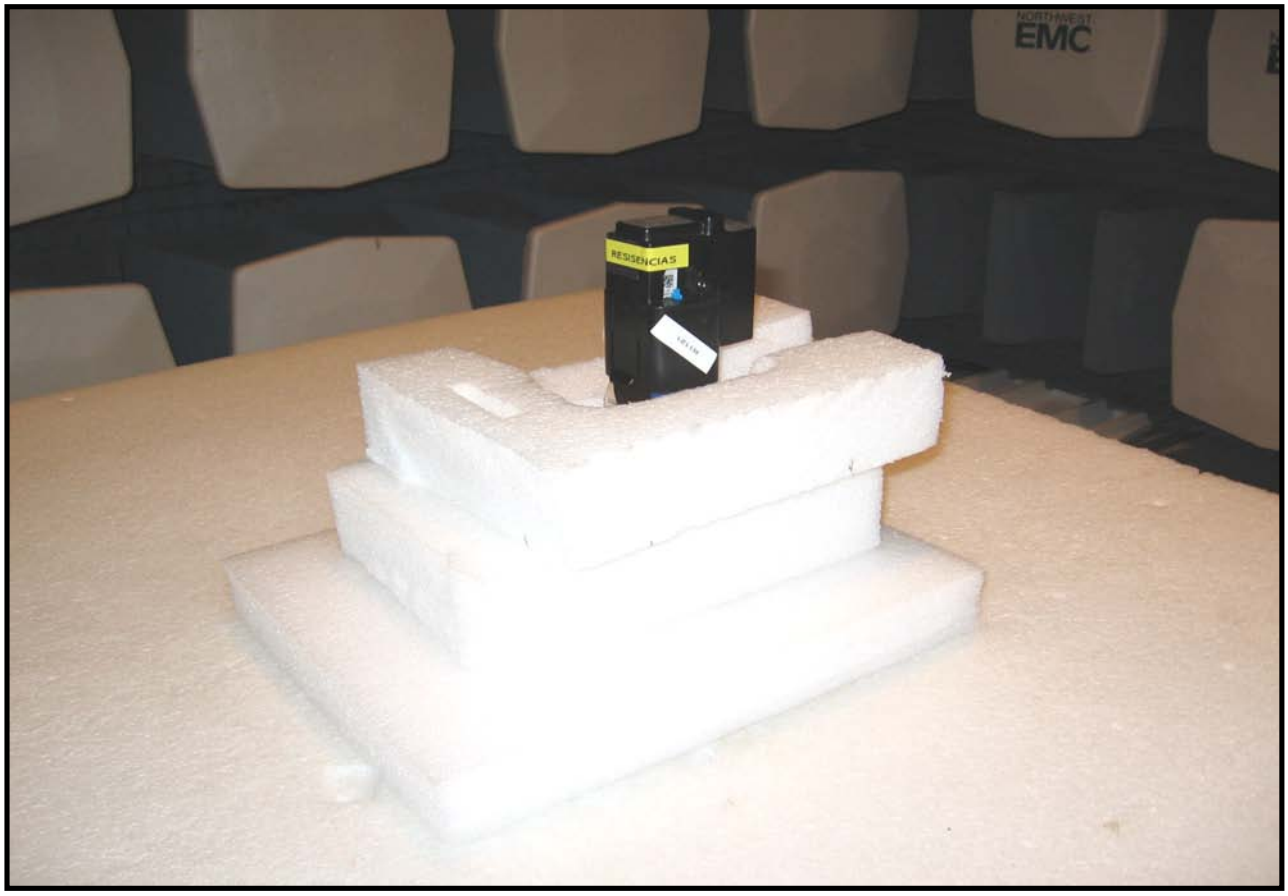

EMC
RESISENCIAS

AC Powerline Conducted Emissions

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Camera charging battery while in receiver cradle.
Camera charging from model FY850500 power supply
Camera transmitting to receiver.

POWER SETTINGS INVESTIGATED

120V/60Hz

CLASSES INVESTIGATED

Class A: tested for ancillary equipment in charging mode
Class B: tested for radio equipment in transmit/receive mode

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
LISN	Solar	9252-50-R-24-BNC	LIP	12/20/2006	13
LISN	Solar	9252-50-R-24-BNC	LIR	11/20/2007	13
Attenuator	Tektronix	011-0059-02	ATC	12/27/2006	13
High Pass Filter	TTE	H97-100K-50-720B	HFX	8/22/2006	24
Receiver	Rohde & Schwartz	ESCI	ARG	12/7/2006	13

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50Ω.

NORTHWEST

EMC

AC Powerline Conducted Emissions

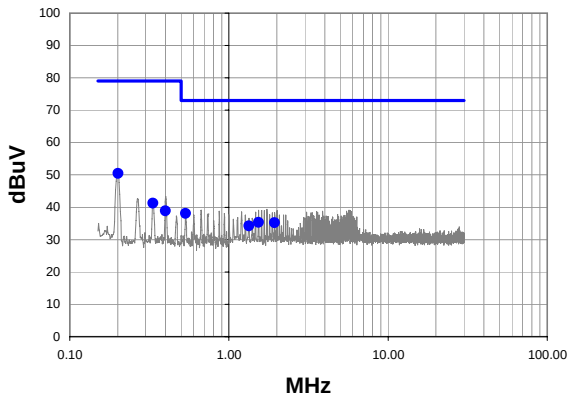
Version 2007.8.27
PSA-ESCI 2007.05.07

Work Order:	AIRT0002	**Date:**	10/04/07		
Project:	None	**Temperature:**	21 °C		
Job Site:	EV07	**Humidity:**	38		
Serial Number:	6 DCB resisencias	**Barometric Pres.:**	1015.2mb	**Tested by:**	Kyle Holgate
EUT:	ATQ-032				
Configuration:	10				
Customer:	Airtraq LLC				
Attendees:	None				
EUT Power:	120V/60Hz				
Operating Mode:	Camera charging battery while in receiver cradle. Monitor video disconnected.				
Deviations:	No deviations.				
Comments:	None				

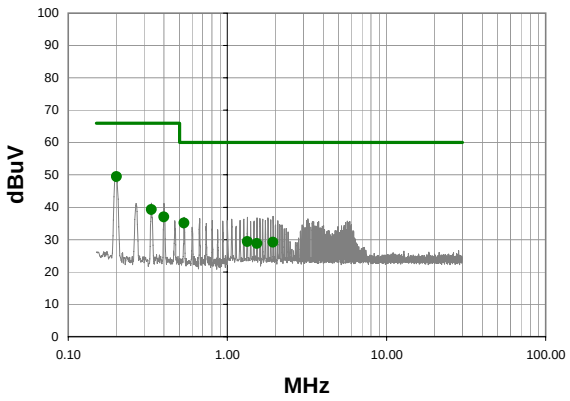
Test Specifications	**Class A**	**Test Method**
FCC 15.107:2006		ANSI C63.4:2003

Run #	5	**Line:**	High Line	**Ext. Attenuation:**	20	**Results**	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
0.201	29.4	1.0	50.4	79.0	-28.6
0.534	17.3	0.8	38.1	73.0	-34.9
0.334	20.3	0.9	41.2	79.0	-37.8
0.400	18.0	0.9	38.9	79.0	-40.1
1.536	14.8	0.5	35.3	73.0	-37.7
1.940	14.7	0.5	35.2	73.0	-37.8
1.336	13.7	0.5	34.2	73.0	-38.8

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
0.201	28.5	1.0	49.5	66.0	-16.5
0.334	18.4	0.9	39.3	66.0	-26.7
0.400	16.1	0.9	37.0	66.0	-29.0
0.534	14.3	0.8	35.1	60.0	-24.9
1.336	8.9	0.5	29.4	60.0	-30.6
1.940	8.7	0.5	29.2	60.0	-30.8
1.536	8.3	0.5	28.8	60.0	-31.2

NORTHWEST

EMC

AC Powerline Conducted Emissions

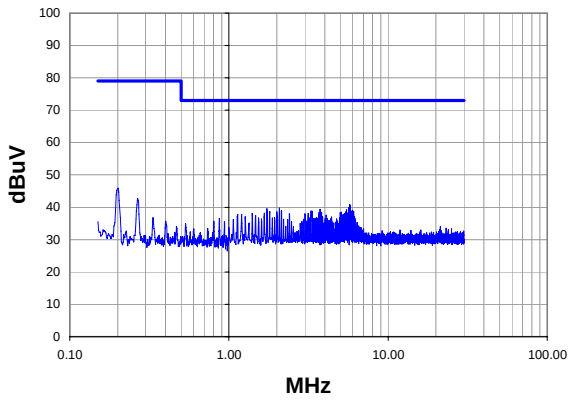
Version 2007.8.27
PSA-ESCI 2007.05.07

Work Order:	AIRT0002	**Date:**	10/04/07		
Project:	None	**Temperature:**	21 °C		
Job Site:	EV07	**Humidity:**	38		
Serial Number:	6 DCB resisencias	**Barometric Pres.:**	1015.2mb	**Tested by:**	Kyle Holgate
EUT:	ATQ-032				
Configuration:	10				
Customer:	Airtraq LLC				
Attendees:	None				
EUT Power:	120V/60Hz				
Operating Mode:	Camera charging battery while in receiver cradle. Monitor video disconnected.				
Deviations:	No deviations.				
Comments:	None				

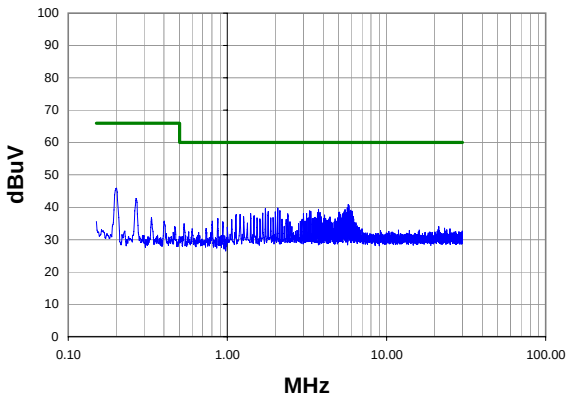
Test Specifications	**Class A**	**Test Method**
FCC 15.107:2006		ANSI C63.4:2003

Run #	6	**Line:**	Neutral	**Ext. Attenuation:**	20	**Results**	Pass

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
5.750	20.4	0.5	40.9	73.0	-32.1
5.810	20.1	0.5	40.6	73.0	-32.4
0.201	24.9	1.0	45.9	79.0	-33.1
5.680	19.4	0.5	39.9	73.0	-33.1
2.072	19.3	0.5	39.8	73.0	-33.2
1.736	19.1	0.5	39.6	73.0	-33.4
3.744	18.9	0.5	39.4	73.0	-33.6
5.480	18.8	0.5	39.3	73.0	-33.7
5.950	18.6	0.5	39.1	73.0	-33.9
2.136	18.4	0.5	38.9	73.0	-34.1
3.280	18.4	0.5	38.9	73.0	-34.1
3.344	18.3	0.5	38.8	73.0	-34.2
6.080	18.3	0.5	38.8	73.0	-34.2
1.808	18.2	0.5	38.7	73.0	-34.3
5.880	18.2	0.5	38.7	73.0	-34.3
2.000	18.1	0.5	38.6	73.0	-34.4
5.410	18.1	0.5	38.6	73.0	-34.4
5.080	18.0	0.5	38.5	73.0	-34.5
3.680	17.9	0.5	38.4	73.0	-34.6
3.816	17.9	0.5	38.4	73.0	-34.6

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
5.750	20.4	0.5	40.9	60.0	-19.1
5.810	20.1	0.5	40.6	60.0	-19.4
0.201	24.9	1.0	45.9	66.0	-20.1
5.680	19.4	0.5	39.9	60.0	-20.1
2.072	19.3	0.5	39.8	60.0	-20.2
1.736	19.1	0.5	39.6	60.0	-20.4
3.744	18.9	0.5	39.4	60.0	-20.6
5.480	18.8	0.5	39.3	60.0	-20.7
5.950	18.6	0.5	39.1	60.0	-20.9
2.136	18.4	0.5	38.9	60.0	-21.1
3.280	18.4	0.5	38.9	60.0	-21.1
3.344	18.3	0.5	38.8	60.0	-21.2
6.080	18.3	0.5	38.8	60.0	-21.2
1.808	18.2	0.5	38.7	60.0	-21.3
5.880	18.2	0.5	38.7	60.0	-21.3
2.000	18.1	0.5	38.6	60.0	-21.4
5.410	18.1	0.5	38.6	60.0	-21.4
5.080	18.0	0.5	38.5	60.0	-21.5
3.680	17.9	0.5	38.4	60.0	-21.6
3.816	17.9	0.5	38.4	60.0	-21.6

NORTHWEST

EMC

AC Powerline Conducted Emissions

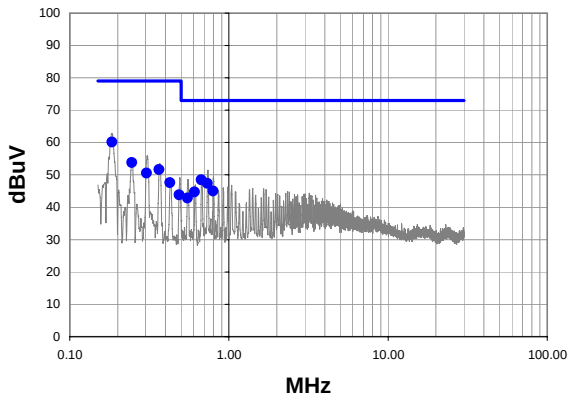
Version 2007.8.27
PSA-ESCI 2007.05.07

Work Order:	AIRT0002	**Date:**	10/04/07		
Project:	None	**Temperature:**	21 °C		
Job Site:	EV07	**Humidity:**	38		
Serial Number:	6 DCB resisencias	**Barometric Pres.:**	1015.2mb	**Tested by:**	Kyle Holgate
EUT:	ATQ-032				
Configuration:	12				
Customer:	Airtraq LLC				
Attendees:	None				
EUT Power:	120V/60Hz				
Operating Mode:	Camera charging from model FY850500 power supply.				
Deviations:	No deviations.				
Comments:	None				

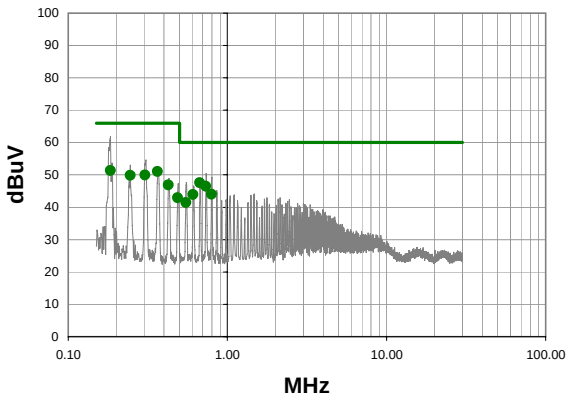
Test Specifications	**Class A**	**Test Method**
FCC 15.107:2006		ANSI C63.4:2003

Run #	7	**Line:**	Neutral	**Ext. Attenuation:**	20	**Results**	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
0.184	38.8	1.3	60.1	79.0	-18.9
0.364	30.7	0.9	51.6	79.0	-27.4
0.671	27.8	0.7	48.5	73.0	-24.5
0.245	32.8	1.0	53.8	79.0	-25.2
0.732	26.7	0.7	47.4	73.0	-25.6
0.304	29.6	0.9	50.5	79.0	-28.5
0.425	26.7	0.9	47.6	79.0	-31.4
0.794	24.4	0.6	45.0	73.0	-28.0
0.608	24.0	0.7	44.7	73.0	-28.3
0.488	23.0	0.8	43.8	79.0	-35.2
0.549	22.0	0.8	42.8	73.0	-30.2

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
0.364	30.1	0.9	51.0	66.0	-15.0
0.671	26.9	0.7	47.6	60.0	-12.4
0.732	25.8	0.7	46.5	60.0	-13.5
0.304	29.0	0.9	49.9	66.0	-16.1
0.425	26.0	0.9	46.9	66.0	-19.1
0.794	23.4	0.6	44.0	60.0	-16.0
0.245	28.9	1.0	49.9	66.0	-16.1
0.608	23.2	0.7	43.9	60.0	-16.1
0.184	30.0	1.3	51.3	66.0	-14.7
0.488	22.1	0.8	42.9	66.0	-23.1
0.549	20.7	0.8	41.5	60.0	-18.5

NORTHWEST

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AC Powerline Conducted Emissions

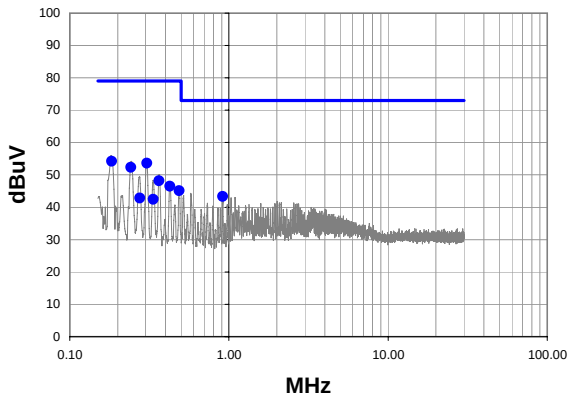
Version 2007.8.27
PSA-ESCI 2007.05.07

Work Order:	AIRT0002	**Date:**	10/04/07		
Project:	None	**Temperature:**	21 °C		
Job Site:	EV07	**Humidity:**	38		
Serial Number:	6 DCB resisencias	**Barometric Pres.:**	1015.2mb	**Tested by:**	Kyle Holgate
EUT:	ATQ-032				
Configuration:	12				
Customer:	Airtraq LLC				
Attendees:	None				
EUT Power:	120V/60Hz				
Operating Mode:	Camera charging from model FY850500 power supply.				
Deviations:	No deviations.				
Comments:	None				

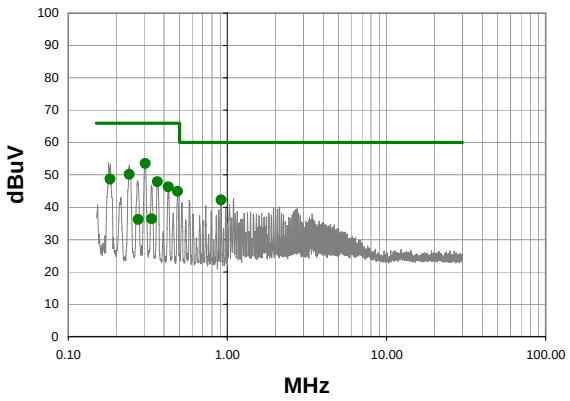
Test Specifications	**Class A**	**Test Method**
FCC 15.107:2006		ANSI C63.4:2003

Run #	8	**Line:**	High Line	**Ext. Attenuation:**	20	**Results**	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
0.305	32.7	0.9	53.6	79.0	-25.4
0.242	31.4	1.0	52.4	79.0	-26.6
0.183	32.9	1.3	54.2	79.0	-24.8
0.364	27.3	0.9	48.2	79.0	-30.8
0.425	25.6	0.9	46.5	79.0	-32.5
0.487	24.3	0.8	45.1	79.0	-33.9
0.913	22.8	0.6	43.4	73.0	-29.6
0.335	21.5	0.9	42.4	79.0	-36.6
0.276	21.9	1.0	42.9	79.0	-36.1

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
0.305	32.6	0.9	53.5	66.0	-12.5
0.364	27.0	0.9	47.9	66.0	-18.1
0.425	25.4	0.9	46.3	66.0	-19.7
0.487	24.1	0.8	44.9	66.0	-21.1
0.242	29.2	1.0	50.2	66.0	-15.8
0.913	21.7	0.6	42.3	60.0	-17.7
0.183	27.3	1.3	48.6	66.0	-17.4
0.335	15.5	0.9	36.4	66.0	-29.6
0.276	15.2	1.0	36.2	66.0	-29.8

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AC Powerline Conducted Emissions

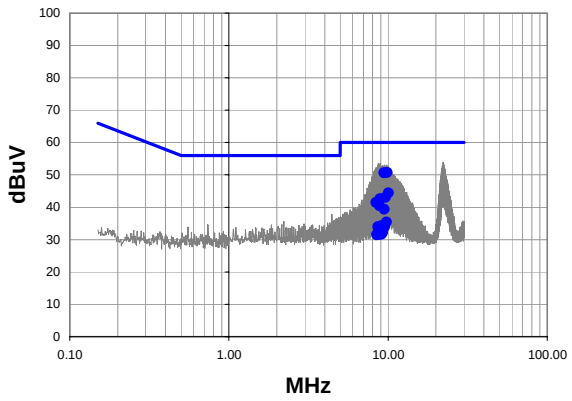
Version 2007.8.27
PSA-ESCI 2007.05.07

Work Order:	AIRT0002	**Date:**	10/04/07		
Project:	None	**Temperature:**	21 °C		
Job Site:	EV07	**Humidity:**	38		
Serial Number:	6 DCB resisencias	**Barometric Pres.:**	1015.2mb	**Tested by:**	Kyle Holgate
EUT:	ATQ-032				
Configuration:	13				
Customer:	Airtraq LLC				
Attendees:	None				
EUT Power:	120V/60Hz				
Operating Mode:	Camera transmitting to receiver. Receiver connected to X2gen monitor.				
Deviations:	No deviations.				
Comments:	None				

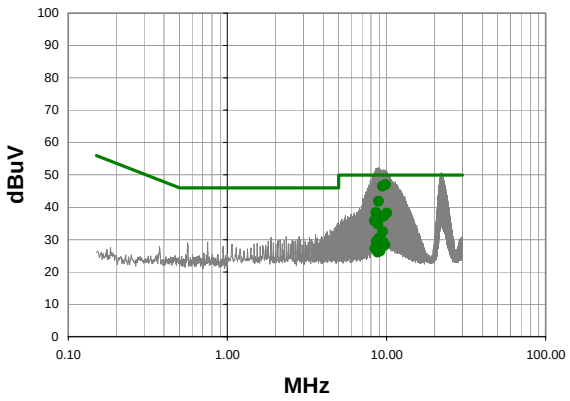
Test Specifications	**Test Method**
FCC 15.207:2006	ANSI C63.4:2003

Run #	9	**Line:**	High Line	**Ext. Attenuation:**	20	**Results**	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
9.882	30.3	0.5	50.8	60.0	-9.2
9.412	30.2	0.5	50.7	60.0	-9.3
10.072	23.9	0.5	44.4	60.0	-15.6
9.672	22.5	0.5	43.0	60.0	-17.0
8.934	22.1	0.5	42.6	60.0	-17.4
8.402	21.0	0.5	41.5	60.0	-18.5
8.578	20.9	0.5	41.4	60.0	-18.6
8.848	20.0	0.5	40.5	60.0	-19.5
9.472	18.9	0.5	39.4	60.0	-20.6
9.788	14.9	0.5	35.4	60.0	-24.6
9.002	13.7	0.5	34.2	60.0	-25.8
9.182	13.5	0.5	34.0	60.0	-26.0
8.648	13.4	0.5	33.9	60.0	-26.1
9.538	13.3	0.5	33.8	60.0	-26.2
8.720	12.2	0.5	32.7	60.0	-27.3
9.072	11.9	0.5	32.4	60.0	-27.6
9.248	11.7	0.5	32.2	60.0	-27.8
9.142	11.2	0.5	31.7	60.0	-28.3
8.790	11.1	0.5	31.6	60.0	-28.4
8.464	11.0	0.5	31.5	60.0	-28.5

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
9.882	26.5	0.5	47.0	50.0	-3.0
9.412	26.0	0.5	46.5	50.0	-3.5
8.934	21.4	0.5	41.9	50.0	-8.1
8.578	17.9	0.5	38.4	50.0	-11.6
10.072	17.7	0.5	38.2	50.0	-11.8
9.672	16.7	0.5	37.2	50.0	-12.8
8.402	15.3	0.5	35.8	50.0	-14.2
8.848	14.3	0.5	34.8	50.0	-15.2
9.472	12.0	0.5	32.5	50.0	-17.5
9.002	10.0	0.5	30.5	50.0	-19.5
9.182	9.4	0.5	29.9	50.0	-20.1
8.648	8.9	0.5	29.4	50.0	-20.6
9.538	8.8	0.5	29.3	50.0	-20.7
8.720	7.8	0.5	28.3	50.0	-21.7
9.788	7.8	0.5	28.3	50.0	-21.7
9.072	7.2	0.5	27.7	50.0	-22.3
9.248	7.1	0.5	27.6	50.0	-22.4
8.464	6.7	0.5	27.2	50.0	-22.8
9.142	5.9	0.5	26.4	50.0	-23.6
8.790	5.6	0.5	26.1	50.0	-23.9

NORTHWEST

EMC

AC Powerline Conducted Emissions

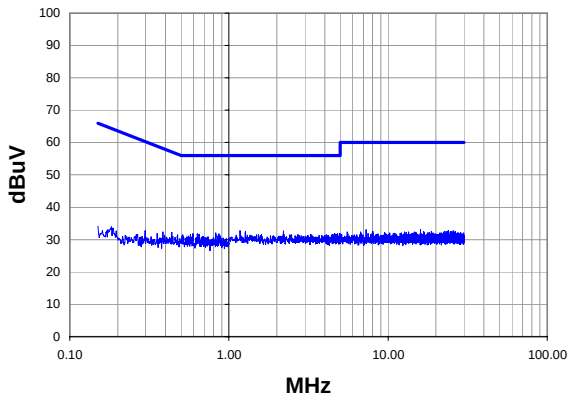
Version 2007.8.27
PSA-ESCI 2007.05.07

Work Order:	AIRT0002	**Date:**	10/04/07		
Project:	None	**Temperature:**	21 °C		
Job Site:	EV07	**Humidity:**	38		
Serial Number:	6 DCB resisencias	**Barometric Pres.:**	1015.2mb	**Tested by:**	Kyle Holgate
EUT:	ATQ-032				
Configuration:	13				
Customer:	Airtraq LLC				
Attendees:	None				
EUT Power:	120V/60Hz				
Operating Mode:	Camera transmitting to receiver. Receiver connected to X2gen monitor.				
Deviations:	No deviations.				
Comments:	None				

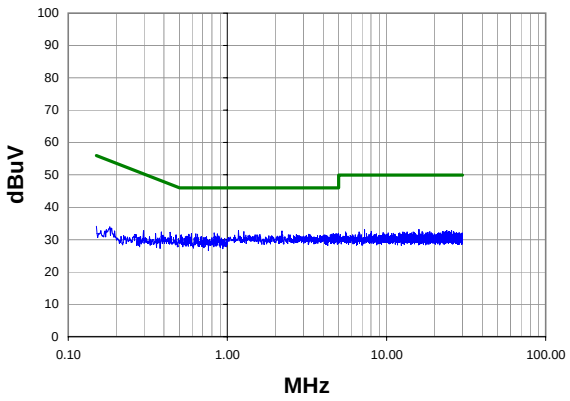
Test Specifications	**Test Method**
FCC 15.207:2006	ANSI C63.4:2003

Run #	10	**Line:**	Neutral	**Ext. Attenuation:**	20	**Results**	Pass

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
1.176	12.2	0.5	32.7	56.0	-23.3
2.200	12.1	0.5	32.6	56.0	-23.4
1.272	11.9	0.5	32.4	56.0	-23.6
0.827	11.4	0.6	32.0	56.0	-24.0
4.984	11.5	0.5	32.0	56.0	-24.0
4.616	11.4	0.5	31.9	56.0	-24.1
4.816	11.4	0.5	31.9	56.0	-24.1
0.594	11.1	0.8	31.9	56.0	-24.1
0.866	11.2	0.6	31.8	56.0	-24.2
0.635	11.0	0.7	31.7	56.0	-24.3
3.256	11.2	0.5	31.7	56.0	-24.3
0.573	10.9	0.8	31.7	56.0	-24.3
0.512	10.6	0.8	31.4	56.0	-24.6
0.437	11.4	0.9	32.3	57.1	-24.9
0.558	10.3	0.8	31.1	56.0	-24.9
0.687	10.3	0.7	31.0	56.0	-25.0
0.740	10.2	0.7	30.9	56.0	-25.1
0.385	11.5	0.9	32.4	58.2	-25.8
15.970	12.7	0.5	33.2	60.0	-26.8
7.280	12.5	0.5	33.0	60.0	-27.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted	Spec. Limit	Compared to Spec. (dB)
1.176	12.2	0.5	32.7	46.0	-13.3
2.200	12.1	0.5	32.6	46.0	-13.4
1.272	11.9	0.5	32.4	46.0	-13.6
0.827	11.4	0.6	32.0	46.0	-14.0
4.984	11.5	0.5	32.0	46.0	-14.0
4.616	11.4	0.5	31.9	46.0	-14.1
4.816	11.4	0.5	31.9	46.0	-14.1
0.594	11.1	0.8	31.9	46.0	-14.1
0.866	11.2	0.6	31.8	46.0	-14.2
0.635	11.0	0.7	31.7	46.0	-14.3
3.256	11.2	0.5	31.7	46.0	-14.3
0.573	10.9	0.8	31.7	46.0	-14.3
0.512	10.6	0.8	31.4	46.0	-14.6
0.437	11.4	0.9	32.3	47.1	-14.9
0.558	10.3	0.8	31.1	46.0	-14.9
0.687	10.3	0.7	31.0	46.0	-15.0
0.740	10.2	0.7	30.9	46.0	-15.1
0.385	11.5	0.9	32.4	48.2	-15.8
15.970	12.7	0.5	33.2	50.0	-16.8
7.280	12.5	0.5	33.0	50.0	-17.0