FCC PART 15, SUBPART C
TEST REPORT

for

900 MHZ FM STEREO TRANSMITTER MODULE
Model: AT900-32
FCC ID: QY4265

Prepared for

APPLIED WIRELESS, INC.
1250 AVENIDA ACASO, UNIT F
CAMARILLO, CA 93012

Prepared by: _____

REYNALD O. RAMIREZ

Approved by: _____

RUBY A. HALL

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2337 TROUTDALE DRIVE
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DATE: MARCH 5, 2007

	REPORT BODY	APPENDICES					TOTAL
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GENERAL REPORT SUMMARY

This electromagnetic emission 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 in any form except in full, without the written permission of Compatible Electronics.

This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Device Tested: 900 MHz FM Stereo Transmitter Module
Model: AT900-32
S/N: None

Product Description: This is a “900 MHz” FM Stereo audio transmitter module with 32 channel capability.

Modifications: The EUT was not modified during the testing.

Manufacturer: Applied Wireless, Inc.
1250 Avenida Acaso, Unit F
Camarillo, CA 93012

Test Date: Feb. 23, 2007

Test Specifications: EMI requirements
FCC CFR Title 47, Part 15 Subpart C
Test Procedure: ANSI C63.4: 2003.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Radiated RF Emissions, 9 kHz to 9230 MHz	Complies with the limits of FCC CFR Title 47, Part 15 Subpart C 15.205, 15.209 & 15.249, and the requirements of 15.31(e).
2	Conducted Emissions 150 KHz to 30 MHz	Complies with the limits of FCC CFR Title 47, Part 15 Subpart C 15.207.

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the 900 MHz FM Stereo Transmitter Module Model: **AT900-32**. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4: 2003. 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 specification limits and requirements defined in FCC CFR Title 47, Part 15 Subpart A (15.31e), Subpart B and Subpart C (15.205, 15.209 and 15.249).

2. ADMINISTRATIVE DATA

2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Compatible Electronics, 2337 Troutdale Drive, Agoura, California 91301.

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

Applied Wireless, Inc.

Lee Fleishman	Director of Marketing
Mark Simon	V. P. of Engineering

Compatible Electronics Inc.

Reynald O. Ramirez	Sr. Test Engineer
Ruby A. Hall	Lab Manager

2.4 Date Test Sample was Received

The test sample was received on Feb. 23, 2007.

2.5 Disposition of the Test Sample

The test sample remains at Compatible Electronics, Inc.

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

3. APPLICABLE DOCUMENTS

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

SPEC	TITLE
FCC CFR Title 47, Part 15 Subpart A	FCC Rules – General
FCC CFR Title 47, Part 15 Subpart B	FCC Rules – Unintentional Radiators
FCC CFR Title 47, Part 15 Subpart C	FCC Rules – Intentional Radiators.
CISPR 16 1993	Specification for radio disturbance and immunity measuring apparatus and methods.
ANSI C63.4 2003	Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz.

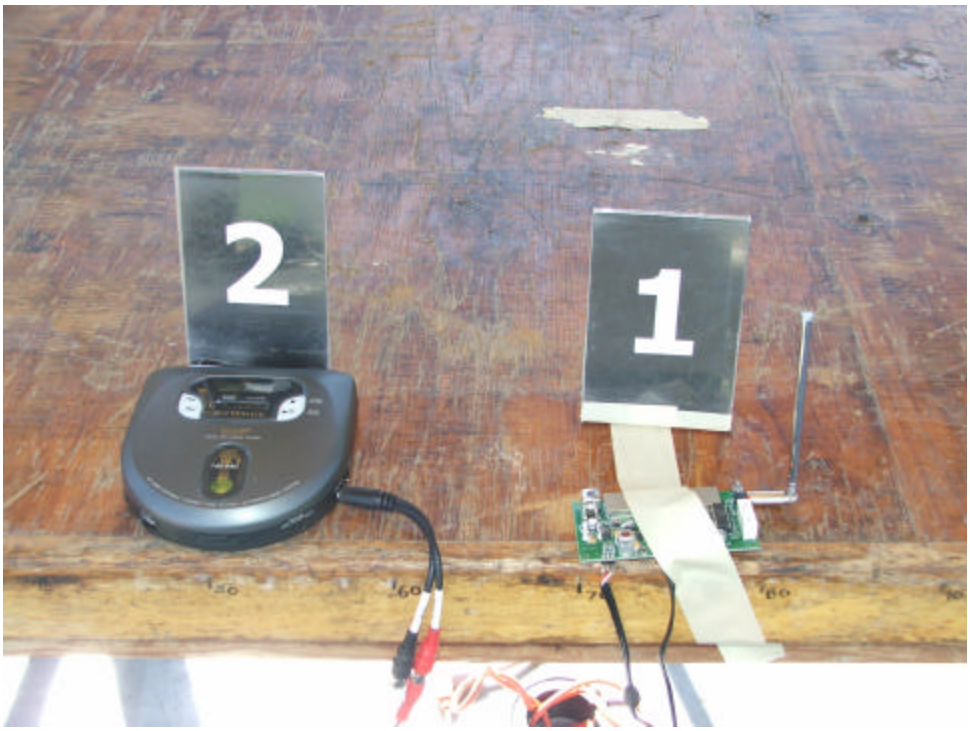
4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description of Test Configuration - EMI

The EUT was set-up in a tabletop configuration. A CD player was connected to the EUT via the RCA ports. Audio modulation was applied to the EUT via the CD player. The EUT was continuously transmitting throughout the test.

The highest emissions were found when the EUT was running in the above configuration. The cables were moved to maximize the emissions. The final radiated and conducted data was taken in this mode of operation. All initial investigations were performed with the spectrum analyzer in manual mode scanning the frequency range continuously. The cables were bundled and routed as shown in the photographs in Appendix D.

4.1.1 Photograph of Test Configuration – EMI



4.1.1 Cable Construction and Termination

Cable 1 This is a 1.5 meter, unshielded, round cable that connects the EUT to Cable 2. The cable is hardwired at the EUT end and has RCA connectors at the opposite end. The cable was bundled to a length of 1 meter.

Cable 2 This is a 15 cm unshielded, round cable that connects Cable 1 to the CD Player. The cable has RCA connectors at the Cable 1 end and a Headphone Jack at the CD Player end.

5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

5.1 EUT and Accessory List

#	EQUIPMENT TYPE	MANUFACTURER	MODEL	SERIAL NUMBER
1	900 MHZ FM STEREO TRANSMITTER MODULE (EUT)	APPLIED WIRELESS, INC.	AT900-32	S/N: NONE P/N: 400265A FCC ID: QY4265
	POWER SUPPLY (EUT)	APPLIED WIRELESS, INC.	P/N: D35W090200-021/1	S/N: 0215YW
2	CD PLAYER	OPTIMUS	CD-3680	S/N: NONE

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. DUE DATE
Spectrum Analyzer	Hewlett Packard	8566B	2729A04566	Feb. 07, 2007	Feb. 07, 2008
Quasi-Peak Adapter	Hewlett Packard	85650A	2521A00682	Feb. 07, 2007	Feb. 07, 2008
Preamplifier	Com Power	PA-103	1619	Dec. 27, 2006	Dec. 27, 2007
LISN	Com Power	LI-215	12037	Oct. 13, 2006	Oct. 13, 2007
LISN (Accessory)	Com Power	LI-115	02030	Oct. 13, 2006	Oct. 13, 2007
Transient Limiter	Com Power	HZ560	3549	Dec. 06, 2006	Dec. 06, 2007
Active Loop Antenna	Com Power	AL-130	17067	Aug. 01, 2006	Aug. 01, 2007
Biconical Antenna	Com Power	AB-900	15283	Dec. 28, 2006	Dec. 28, 2007
Log Periodic Antenna	Com Power	AL-100	16200	Dec. 28, 2006	Dec. 28, 2007
Horn Antenna	A. R. A.	DRG 118/A	1015	Jul. 26, 2006	Jul. 26, 2008
Microwave Amplifier	Com Power	PA-122	181915	Mar. 22, 2006	Mar. 22, 2007
Antenna Mast	Com Power	AM-400	N/A	N/A	N/A
Turntable	Com Power	TTW-595	N/A	N/A	N/A
Computer	Hewlett Packard	Pavilion 4530	US91912022	N/A	N/A
Printer	Hewlett Packard	C6427B	MY066160TW	N/A	N/A
(Software) Radiated Emissions Transmitter Data Program	Compatible Electronics	DOC No: EMI_PART15TX-B-0-50	Rev. A	N/A	N/A
Conducted Emissions Test Software	Compatible Electronics	SR21	N/A	N/A	N/A
Radiated Emissions Test Software	Compatible Electronics	Vcap1A	2.3	N/A	N/A
Harmonic Flicker Meter	Hewlett Packard	6842A	3531A00180	Mar. 03, 2006	Mar. 03, 2007

6. TEST SITE DESCRIPTION

6.1 Test Facility Description

Please refer to section 2.1 and 7.1.2 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 along with the quasi-peak adapter. 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 10 dB attenuation pad was used for the protection of the Spectrum Analyzer input stage, and the Spectrum Analyzer offset was adjusted accordingly to read the actual data measured. The LISN output was read by the Spectrum Analyzer. The output of the second LISN was terminated by a 50 ohm termination. The effective measurement bandwidth used for the conducted emissions 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: 2003. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The initial test data was taken in manual mode while scanning the frequency ranges of 0.15 MHz to 1.6 MHz, 1.6 MHz to 5 MHz and 5 MHz to 30 MHz. The conducted emissions from the EUT were maximized for operating mode as well as cable placement. Once a predominant frequency (within 12 dB of the limit) was found, it was more closely examined with the spectrum analyzer span adjusted to 1 MHz.

The final data was collected under program control by the computer in several overlapping sweeps by running the spectrum analyzer at a minimum scan rate of 10 seconds per octave. The test data is located in Appendix E.

Test Results:

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

7.1.2 Radiated Emissions Test

The spectrum analyzer was used as a measuring meter along with a quasi-peak adapter. A Preamplifier was used to increase the sensitivity of the instrument. The Spectrum Analyzer was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the spectrum analyzer records the highest measured reading over all the sweeps. This final reading is then recorded into the a Computer data recording program, which takes into account the cable loss, amplifier gain and antenna factors, so that a true reading is compared to the true limit. The quasi-peak measurement was used only for those readings, which are marked accordingly on the data sheets. The effective measurement bandwidth used for the radiated emissions test was according to the frequency measured (200 Hz for 10kHz-150kHz, 9 kHz for 0.150kHz-30MHz, 120 kHz for 30-1000MHz and 1 MHz for 1000 MHz and above).

Broadband loop, biconical, log periodic and horn antennas were used as transducers during the measurement. The loop antenna was used from 10 kHz to 30 MHz, the biconical antenna was used from 30 MHz to 300 MHz, the log periodic antenna was used from 300 MHz to 1 GHz and the horn antenna was used above 1 GHz. The final data was taken with a frequency span of 1 MHz. Furthermore, the frequency span was reduced during the preliminary investigations as deemed necessary.

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: 2003. 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 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 test distance of 3 meters to obtain final test data. The test data is located in Appendix E.

Preliminary Testing and Monitoring:

Preliminary testing was done at a distance of 1 meter instead of 3 meters to determine the predominant harmonics and spurious emission frequencies. An open field test site was used for the preliminary investigations. Broadband antennas were used to scan large frequency bands while manipulating the X, Y and Z azimuth of the unit. All significant frequencies were further examined carefully at a frequency span on the spectrum analyzer while changing the antenna height and EUT orientation. The EUT was tested again at a test distance of 3 meters to obtain the final test data. The bandwidth of the spectrum analyzer was varied to ensure that pulse desensitization did not occur.

Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and CFR Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.249.

7.1.3 RF Emissions Test Results

The fundamental and up to the 10th harmonic emissions are within the specifications.

RADIATED EMISSIONS – SPURIOUS

The Frequency Band from 9 kHz to 9230 MHz was specifically scanned. Please see data in Appendix E.

RADIATED EMISSION – BAND EDGE 15.249 (d)

The emission radiated outside of the specific frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emissions limits in subsection 15.209, whichever is the lesser attenuation. See Appendix E for the plots.

7.1.4 Sample Calculations

A correction factor for the antenna, cable and a distance factor (if any) must be applied to the meter reading before a true field strength reading can be obtained. For greater efficiency and convenience, instead of using these correction factors for each meter reading, the specification limit was modified to reflect these correction factors at each frequency, so that the meter readings can be compared directly to the modified specification limit, referred to henceforth as the corrected meter reading limit (CML).

The equation can be derived in the following manner:

Specification limit (μV/m) log x 20 = Specification Limit in dBuV

(Specification distance / test distance) log x 40 = distance factor

(Specification Limit dBuV + distance factor) + Antenna factor – effective gain = Corrected Meter Limit

Note: When using an Active Antenna, the Antenna factor shall be subtracted due to the combination of the internal amplification and antenna loss. At lower frequencies the cable loss is negligible.

OR

Corrected Meter Reading = meter reading + F – A + C

where: F = antenna factor
A= amplifier gain
C = cable loss

Therefore, the equation for determining the corrected meter reading is:

CMR = spec. limit - F - A + C

A table of corrected meter reading limits was used to permit immediate comparison of the meter reading and determine if the emission level exceeded the specification limit at that frequency. The correction factors for the antenna and the amplifier gain are attached in Appendix D of this report. The data sheets are attached in Appendix E.

The distance factor D is 0 when the test is performed at the required specification distance.

7.1.5 Video Averaging

Video averaging was achieved manually for frequencies above 1 GHz. The Quasi-Peak detector on the spectrum analyzer was set to “Bypass”. The frequency span on the spectrum analyzer was reduced to 100 kHz. The signal was measured in a linear scale after narrowing the video filter to 10 Hz and setting the sweep time to Auto in order to keep the amplitude reading calibrated.

8. TEST PROCEDURE DEVIATIONS

There were no deviations from the test procedures.

9. CONCLUSIONS

The 900 MHz FM Stereo Transmitter Module Model: **AT900-32** meets all of the requirements of the FCC CFR, Title 47, Part 15, Subpart A, B and C (15.205, 15.207, 15.209, 15.31e and 15.249).

APPENDIX A

LABORATORY ACCREDITATIONS

LABORATORY ACCREDITATIONS AND RECOGNITIONS

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

For US, Canada, Australia/New Zealand, Taiwan and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025 an ISO 9002 equivalent. Please follow the link to the NIST site for each of our facilities NVLAP certificate and scope of accreditation.

Silverado/Lake Forest Division: http://ts.nist.gov/ts/htdocs/210/214/scopes/2005270.htm
Brea Division: http://ts.nist.gov/ts/htdocs/210/214/scopes/2005280.htm
Agoura Division: http://ts.nist.gov/ts/htdocs/210/214/scopes/2000630.htm

Compatible Electronics has been accredited by ANSI and appointed by the FCC to serve as a Telecommunications Certification Body (TCB). Compatible Electronics ANSI TCB listing can be found at: http://www.ansi.org/public/ca/ansi_cp.html

Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for EMC under the US/EU Mutual Recognition Agreement (MRA). Compatible Electronics NIST US/EU CAB listing can be found at: http://ts.nist.gov/ts/htdocs/210/gsig/emc-cabs-mar02.pdf

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). Compatible Electronics NIST US/APEC CAB listing can be found at: http://ts.nist.gov/ts/htdocs/210/gsig/apec/bsmi-cabs-may02.pdf

World Wide Market Access with Nemko

Compatible Electronics has been validated by NEMKO against ISO/IEC 17025 under the NEMKO EMC Laboratory Authorization (ELA) program to all EN standards required by the European Union (EU) EMC Directive 89/336/EEC. Please follow the link to the Compatible Electronics' web site for each of our facilities NEMKO ELA certificate and scope of accreditation. http://www.celectronics.com/certs.htm

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

Compatible Electronics VCCI listing can be found at:
http://www.vcci.or.jp/vcci_e/member/tekigo/setsubi_index_id.html

Just type "Compatible Electronics" into the Keyword search box.

Compatible Electronics FCC listing can be found at:
https://gullfoss2.fcc.gov/prod/oet/index_ie.html

Just type "Compatible Electronics" into the Test Firms search box.

Industry Canada / Industrie Canada

Compatible Electronics IC listing can be found at:
http://spectrum.ic.gc.ca/~cert/labs/oats_lab_c_e.html

APPENDIX B

MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

There were no modifications made to the EUT during the test.

APPENDIX C

ADDITIONAL MODELS COVERED UNDER THIS REPORT

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST	900 MHZ FM STEREO TRANSMITTER MODULE Model: AT900-32

There were no additional models covered under this report.

APPENDIX D

DIAGRAMS, CHARTS AND PHOTOS

FIGURE 1: CONDUCTED EMISSIONS TEST SETUP (LAB F)

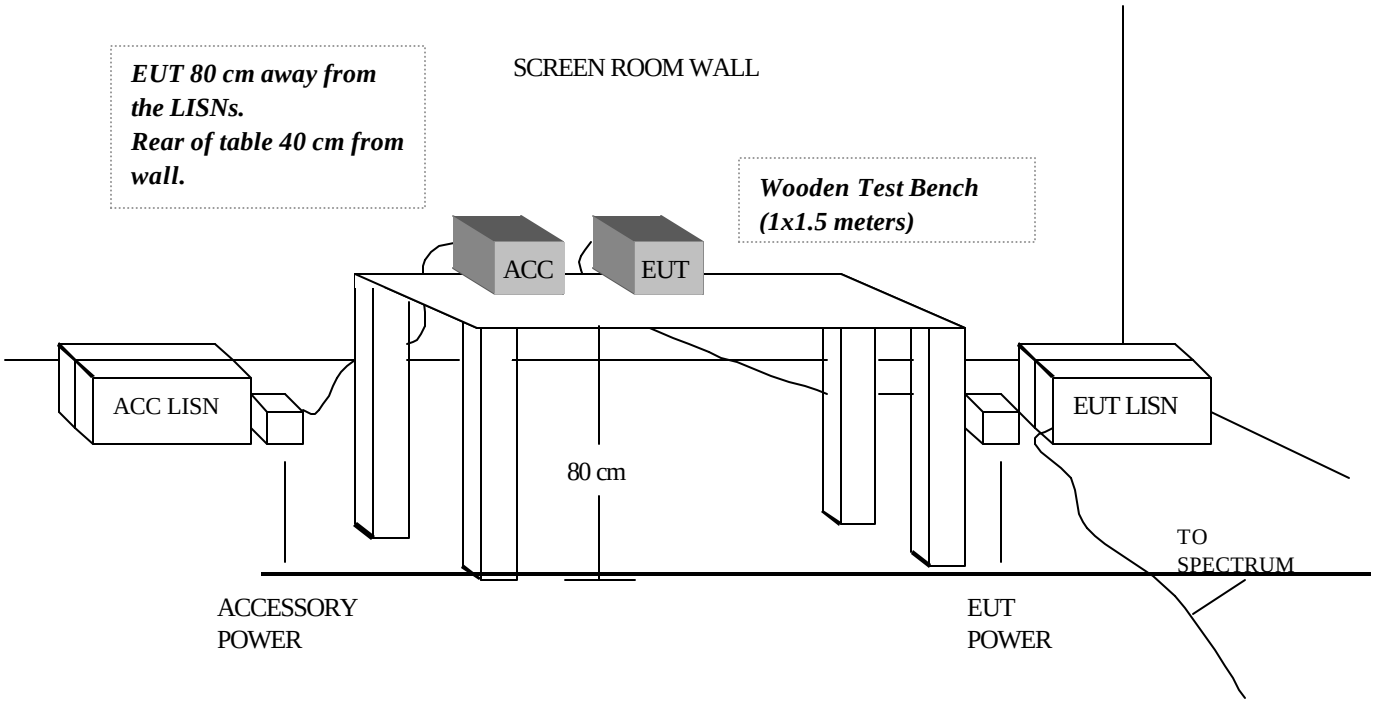
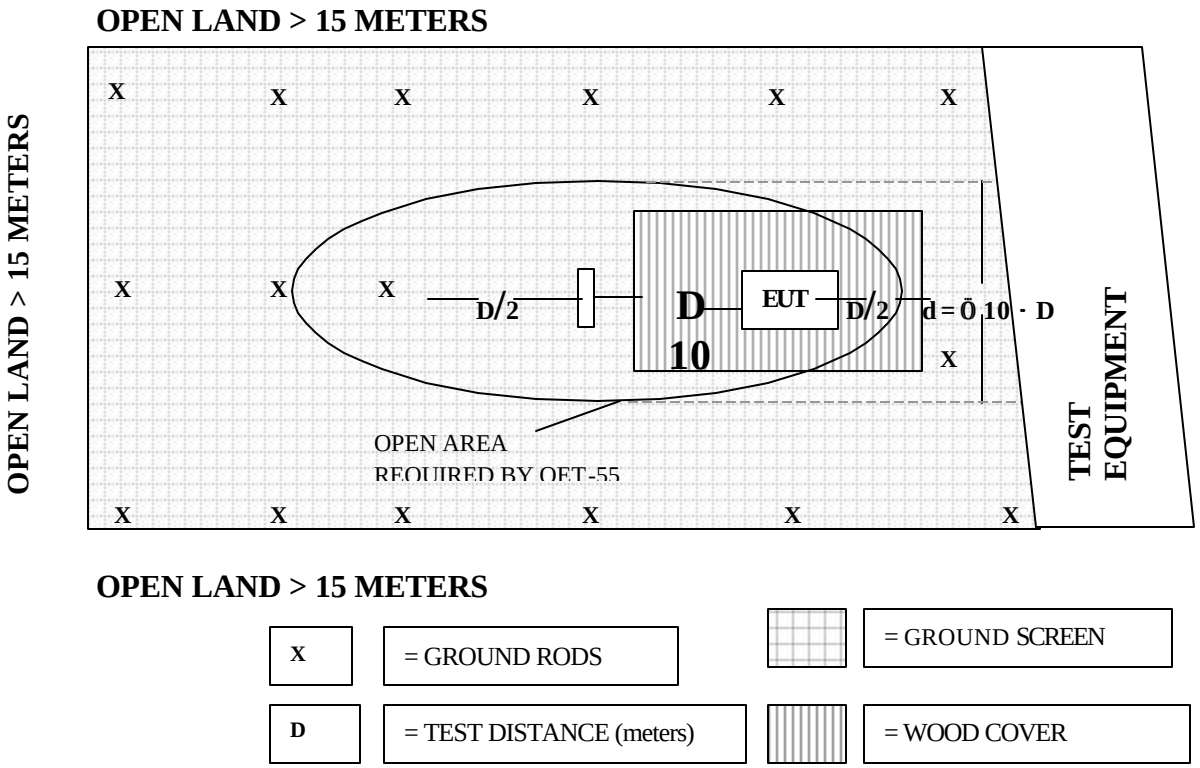


FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED SITE



COM-POWER AL-130

ACTIVE LOOP ANTENNA

S/N: 17067

CALIBRATION DATE: AUGUST 1, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
0.009	11.8	1	11.0
0.01	11.2	2	11.4
0.02	10.5	3	11.2
0.03	12.2	4	11.1
0.04	11.6	5	11.7
0.05	10.3	6	11.7
0.06	10.7	7	11.3
0.07	10.5	8	11.3
0.08	10.4	9	11.6
0.09	10.7	10	11.3
0.1	10.7	15	10.2
0.2	7.9	20	10.4
0.3	10.4	25	9.8
0.4	10.4	30	10.4
0.5	10.4		
0.6	11.0		
0.7	10.8		
0.8	10.6		
0.9	10.7		

COM-POWER AB-900

BICONICAL ANTENNA

S/N: 15283

CALIBRATION DATE: DEC. 28, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	11.21	120	13.42
35	8.45	125	14.16
40	11.54	140	14.21
45	12.75	150	14.06
50	9.69	160	14.31
55	10.24	175	14.51
60	10.27	180	15.19
65	9.86	200	16.51
70	7.96	225	14.84
80	9.72	250	16.72
90	10.69	275	20.75
100	13.23	300	17.82

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 16200

CALIBRATION DATE: DEC. 28, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	12.73	650	21.56
330	12.92	700	20.03
340	13.56	725	21.93
350	13.87	750	21.80
360	14.40	800	20.08
370	13.39	850	23.25
400	14.50	900	24.72
425	16.39	925	25.23
450	18.87	950	25.13
500	21.36	975	26.01
550	22.81	1000	25.25
600	23.77		

COM-POWER PA-103

PREAMPLIFIER

S/N: 1619

CALIBRATION DATE: DEC. 27, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	30.0	300	29.2
40	30.4	350	29.1
50	30.2	400	28.9
60	30.3	450	28.7
70	29.6	500	29.4
80	30.3	550	28.3
90	29.8	600	28.4
100	30.2	650	28.3
125	30.4	700	28.7
150	30.2	750	27.6
175	30.5	800	28.0
200	29.5	850	26.8
225	28.7	900	26.8
250	28.6	950	26.4
275	28.3	1000	26.8

COM-POWER PA-122

PREAMPLIFIER

S/N: 181915

CALIBRATION DATE: MARCH 22, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1000	31.9	7000	27.5
1100	31.7	7500	29.1
1200	31.5	8000	29.6
1300	31.5	8500	28.6
1400	31.3	9000	25.2
1500	31.5	9500	28.8
1600	31.1	10000	25.6
1700	31.3	11000	21.7
1800	31.3	12000	28.2
1900	31.7	13000	27.2
2000	31.0	14000	27.2
2500	30.6	15000	25.3
3000	30.8	16000	23.3
3500	31.1	17000	24.4
4000	29.3	18000	28.5
4500	30.8		
5000	30.2		
5500	30.4		
6000	29.1		
6500	28.6		

DRG-118/A

DOUBLE RIDGE HORN ANTENNA

S/N: 1015

CALIBRATION DATE: JULY 26, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1000	24.6	10000	39.2
1500	25.4	10500	40.2
2000	27.9	11000	39.4
2500	28.6	11500	40.0
3000	30.1	12000	40.7
3500	30.7	12500	40.6
4000	30.8	13000	40.0
4500	31.6	13500	41.1
5000	33.5	14000	42.7
5500	33.6	14500	43.1
6000	34.1	15000	41.9
6500	35.1	15500	38.8
7000	37.4	16000	39.6
7500	39.5	16500	39.0
8000	38.2	17000	41.6
8500	37.5	17500	43.5
9000	38.0	18000	45.5
9500	38.6		

FRONT VIEW

APPLIED WIRELESS, INC.
900 MHZ FM STEREO TRANSMITTER MODULE
Model: AT900-32
FCC PART 15 SUBPART C - RADIATED EMISSIONS – 2-23-07

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

APPLIED WIRELESS, INC.
900 MHZ FM STEREO TRANSMITTER MODULE
Model: AT900-32
FCC PART 15 SUBPART C - RADIATED EMISSIONS –2-23-07

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

FRONT VIEW

APPLIED WIRELESS, INC.
900 MHZ FM STEREO TRANSMITTER MODULE
Model: AT900-32
FCC PART 15 SUBPART C - CONDUCTED EMISSIONS – 2-23-07

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

APPLIED WIRELESS, INC.
900 MHZ FM STEREO TRANSMITTER MODULE
Model: AT900-32
FCC PART 15 SUBPART C - CONDUCTED EMISSIONS – 2-23-07

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

APPENDIX E

DATA SHEETS

COMPATIBLE ELECTRONICS

RADIATED EMISSIONS

COMPANY NAME: Applied Wireless DATE: 2/23/07

EUT: Audio Transmitter EUT S/N:

EUT MODEL: AT900-32 LOCATION: ☐ BREA ☐ SILVERADO ☑ AGOURA

SPECIFICATION: FCC CLASS: B TEST DISTANCE: 3m LAB: F

ANTENNA: ☑ LOOP ☐ BICONICAL ☐ LOG ☐ HORN POLARIZATION: ☐ VERT ☐ HORIZ

☑ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT ENGINEER: R. Ramirez

NOTES:

Pol. A Pol. B

Frequency (MHz)	Peak Reading (dBuV/m)	Quasi-Peak (dBuV/m)	Antenna Height (meters)	Azimuth (degrees)	Delta * (dB)	Corrected Limit (dBuV/m)	Comments
9KHz –							No Freq.
30 MHz							Found

* DELTA = METER READING - CORRECTED LIMIT

COMPATIBLE ELECTRONICS

Test Location : Compatible Electronics
Customer : David Nichols
Manufacturer : Applied Wireless
Eut name : Audio Transmitter
Model : AT900-32
Serial # : none
Specification : FCC Pt. 15- Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Qualification
temp: 60F humid: 50%
Spurious Emissions
Clocks: 4, 379 MHz

Page : 1/1
Date : 02/23/2007
Time : 11:18:16 AM
Lab : F
Test Distance : 3.00 Meters

Pol	Freq MHz	Reading dBuV	Cable loss dB	Antenna factor dB	Amplifier gain dB	Corr'd rdg = R dBuV/m	Limit = L dBuV/m	Delta R-L dB
1V	36.065	45.90	2.19	9.14	30.26	26.98	40.00	-13.02
2V	48.047	48.60	2.55	10.85	30.24	31.76	40.00	-8.24
3V	68.047	43.60	2.80	8.69	29.73	25.36	40.00	-14.64
4V	116.000	41.10	3.03	13.38	30.33	27.18	43.50	-16.32
5V	119.986	45.00	3.06	13.42	30.36	31.12	43.50	-12.38
6V	127.973	47.10	3.11	14.17	30.37	34.01	43.50	-9.49
7V	132.006	39.40	3.13	14.18	30.34	26.37	43.50	-17.13
8V	135.992	43.40	3.15	14.20	30.31	30.44	43.50	-13.06
9V	151.992	42.60	3.23	14.11	30.23	29.71	43.50	-13.79
10V	191.992	40.50	3.64	16.00	29.81	30.33	43.50	-13.17
11V	207.992	41.30	3.70	15.95	29.23	31.72	43.50	-11.78
12H	35.992	39.40	2.19	9.10	30.25	20.43	40.00	-19.57
13H	47.992	35.70	2.54	10.88	30.24	18.89	40.00	-21.11
14H	67.992	42.20	2.80	8.71	29.73	23.97	40.00	-16.03
15H	115.992	37.30	3.03	13.38	30.33	23.38	43.50	-20.12
16H	119.992	44.20	3.06	13.42	30.36	30.32	43.50	-13.18
17H	127.980	48.30	3.11	14.17	30.37	35.21	43.50	-8.29
18H	131.981	44.10	3.13	14.18	30.34	31.07	43.50	-12.43
19H	135.981	42.20	3.15	14.20	30.31	29.24	43.50	-14.26
20H	152.001	39.60	3.23	14.11	30.23	26.71	43.50	-16.79
21H	192.001	38.20	3.64	16.00	29.81	28.03	43.50	-15.47
22V	312.001	36.20	4.33	12.81	29.17	24.16	46.00	-21.84
23V	336.001	37.00	4.57	13.31	29.13	25.75	46.00	-20.25
24V	379.001	34.50	4.94	13.73	28.98	24.19	46.00	-21.81
25V	758.001	34.00	6.25	21.52	27.67	34.10	46.00	-11.90
26H	312.001	37.60	4.33	12.81	29.17	25.56	46.00	-20.44
27H	336.001	40.90	4.57	13.31	29.13	29.65	46.00	-16.35
28H	379.001	33.00	4.94	13.73	28.98	22.69	46.00	-23.31
29H	758.001	34.90	6.25	21.52	27.67	35.00	46.00	-11.00

EUT tested to 9230 MHz----------

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A %**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
905.0000	58.4	58.1 QP	H	2.0	180			24.8	7.0	0.0	0.0	0.0	**89.9**	**-4.1**	**94.0**	
										0.0						
										0.0						
905.0000	59.4	QP	V	1.0	180			24.8	7.0	0.0	0.0	0.0	**91.2**	**-2.8**	**94.0**	
										0.0						
										0.0						
914.2500	57.8	QP	H	1.5	180			24.8	7.0	0.0	0.0	0.0	**89.6**	**-4.4**	**94.0**	
										0.0						
										0.0						
914.2500	56.1	QP	V	1.0	180			24.8	7.0	0.0	0.0	0.0	**87.9**	**-6.1**	**94.0**	
										0.0						
										0.0						
923.0000	55.7	QP	H	2.0	180			24.9	7.0	0.0	0.0	0.0	**87.6**	**-6.4**	**94.0**	
										0.0						
										0.0						
923.0000	57.3	QP	V	1.5	180			24.9	7.0	0.0	0.0	0.0	**89.2**	**-4.8**	**94.0**	
										0.0						
										0.0						

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A %**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1810.0000	51.7	49.3 A	H	1.5	180			27.0	5.2	31.3	0.0	0.0	**50.1**	**-3.9**	**54.0**	
1810.0000	54.9	52.7 A	V	1.0	180			27.0	5.2	31.3	0.0	0.0	**53.5**	**-0.5**	**54.0**	
1828.5000	46.2	A	H	2.0	270			27.0	5.3	31.4	0.0	0.0	**47.1**	**-6.9**	**54.0**	
1828.5000	45.2	A	V	1.0	180			27.0	5.3	31.4	0.0	0.0	**46.1**	**-7.9**	**54.0**	
1846.0000	44.8	A	H	1.5	180			27.1	5.3	31.5	0.0	0.0	**45.7**	**-8.3**	**54.0**	
1846.0000	45.0	A	V	1.0	180			27.1	5.3	31.5	0.0	0.0	**45.9**	**-8.1**	**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A %**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2715.0000	45.8	A	H	2.0	180			29.2	5.6	30.7	0.0	0.0	**50.0**	**-4.0**	**54.0**	
2715.0000	47.2	42.2 A	V	1.0	180			29.2	5.6	30.7	0.0	0.0	**46.4**	**-7.6**	**54.0**	
2742.7500	39.6	A	H	1.5	180			29.3	5.6	30.7	0.0	0.0	**43.8**	**-10.2**	**54.0**	
2742.7500	40.2	A	V	1.0	180			29.3	5.6	30.7	0.0	0.0	**44.4**	**-9.6**	**54.0**	
2769.0000	38.0	A	H	1.5	180			29.4	5.8	30.7	0.0	0.0	**42.5**	**-11.5**	**54.0**	
2769.0000	34.9	A	V	1.0	180			29.4	5.8	30.7	0.0	0.0	**39.4**	**-14.6**	**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A %**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3620.0000	43.6	36.6 A	H	2.0	180			30.7	9.0	30.7	0.0	0.0	**45.7**	**-8.3**	**54.0**	
3620.0000	44.3	35.1 A	V	1.5	180			30.7	9.0	30.7	0.0	0.0	**44.2**	**-9.8**	**54.0**	
3657.0000	37.2	A	H	1.5	180			30.7	8.9	30.5	0.0	0.0	**46.3**	**-7.7**	**54.0**	
3657.0000	37.3	A	V	1.0	180			30.7	8.9	30.5	0.0	0.0	**46.4**	**-7.6**	**54.0**	
3692.0000	34.6	A	H	2.0	180			30.7	8.9	30.4	0.0	0.0	**43.8**	**-10.2**	**54.0**	
3692.0000	35.7	A	V	1.0	180			30.7	8.9	30.4	0.0	0.0	**44.9**	**-9.1**	**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A %**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
4525.0000		A	H					31.7	9.4	30.8	0.0				**54.0**	**No emissions found**
4525.0000		A	V					31.7	9.4	30.8	0.0				**54.0**	
4571.2500		A	H					31.9	9.4	30.7	0.0				**54.0**	
4571.2500		A	V					31.9	9.4	30.7	0.0				**54.0**	
4615.0000		A	H					32.0	9.4	30.7	0.0				**54.0**	
4615.0000		A	V					32.0	9.4	30.7	0.0				**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A %**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
5430.0000		A	H					33.6	9.4	30.4	0.0				**54.0**	**No emissions found**
5430.0000		A	V					33.6	9.4	30.4	0.0				**54.0**	
5485.5000		A	H					33.6	8.8	30.4	0.0				**54.0**	
5485.5000		A	V					33.6	8.8	30.4	0.0				**54.0**	
5538.0000		A	H					33.6	8.8	30.3	0.0				**54.0**	
5538.0000		A	V					33.6	8.8	30.3	0.0				**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**	
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A**	**%**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A**	**dB**
S/N	**N/A**	**TEST DIST.**	**3**	**Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**	

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
6335.0000		A	H					29.9	11.4	28.8	0.0				**54.0**	**No emissions found**
6335.0000		A	V					29.9	11.4	28.8	0.0				**54.0**	
6399.7500		A	H					30.0	11.9	28.7	0.0				**54.0**	
6399.7500		A	V					30.0	11.9	28.7	0.0				**54.0**	
6461.0000		A	H					30.0	12.4	28.6	0.0				**54.0**	
6461.0000		A	V					30.0	12.4	28.6	0.0				**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A %**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
7240.0000		A	H					30.0	12.3	28.3	0.0				**54.0**	**No emissions found**
7240.0000		A	V					30.0	12.3	28.3	0.0				**54.0**	
7314.0000		A	H					30.0	12.3	28.5	0.0				**54.0**	
7314.0000		A	V					30.0	12.3	28.5	0.0				**54.0**	
7384.0000		A	H					30.0	12.4	28.7	0.0				**54.0**	
7384.0000		A	V					30.0	12.4	28.7	0.0				**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**	
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A**	**%**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A**	**dB**
S/N	**N/A**	**TEST DIST.**	**3**	**Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**	

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
8145.0000		A	H					29.9	18.2	29.3	0.0				**54.0**	**No emissions found**
8145.0000		A	V					29.9	18.2	29.3	0.0				**54.0**	
8228.2500		A	H					33.5	18.8	29.1	0.0				**54.0**	
8228.2500		A	V					33.5	18.8	29.1	0.0				**54.0**	
8307.0000		A	H					33.5	20.9	29.0	0.0				**54.0**	
8307.0000		A	V					33.5	20.9	29.0	0.0				**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	**Applied Wireless**	**DATE**	**2/23/2007**	
EUT	**Audio Transmitter**	**DUTY CYCLE**	**N/A**	**%**
MODEL	**AT900-32**	**PEAK TO AVG**	**N/A**	**dB**
S/N	**N/A**	**TEST DIST.**	**3**	**Meters**
TEST ENGINEER	**Rey Ramirez**	**LAB**	**F**	

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
9050.0000		A	H					33.6	13.8	25.6	0.0				**54.0**	**No emissions found**
9050.0000		A	V					33.6	13.8	25.6	0.0				**54.0**	
9142.5000		A	H					33.6	14.4	26.2	0.0				**54.0**	
9142.5000		A	V					33.6	14.4	26.2	0.0				**54.0**	
9230.0000		A	H					33.6	14.9	26.9	0.0				**54.0**	
9230.0000		A	V					33.6	14.9	26.9	0.0				**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

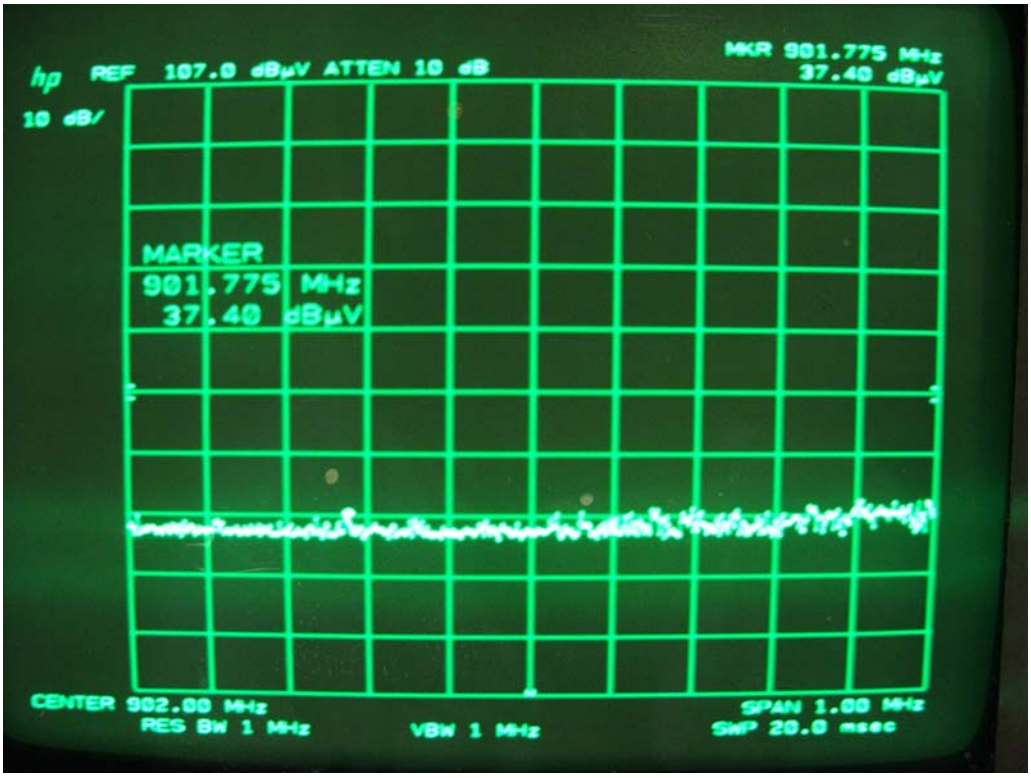
** DELTA = SPEC LIMIT - CORRECTED READING

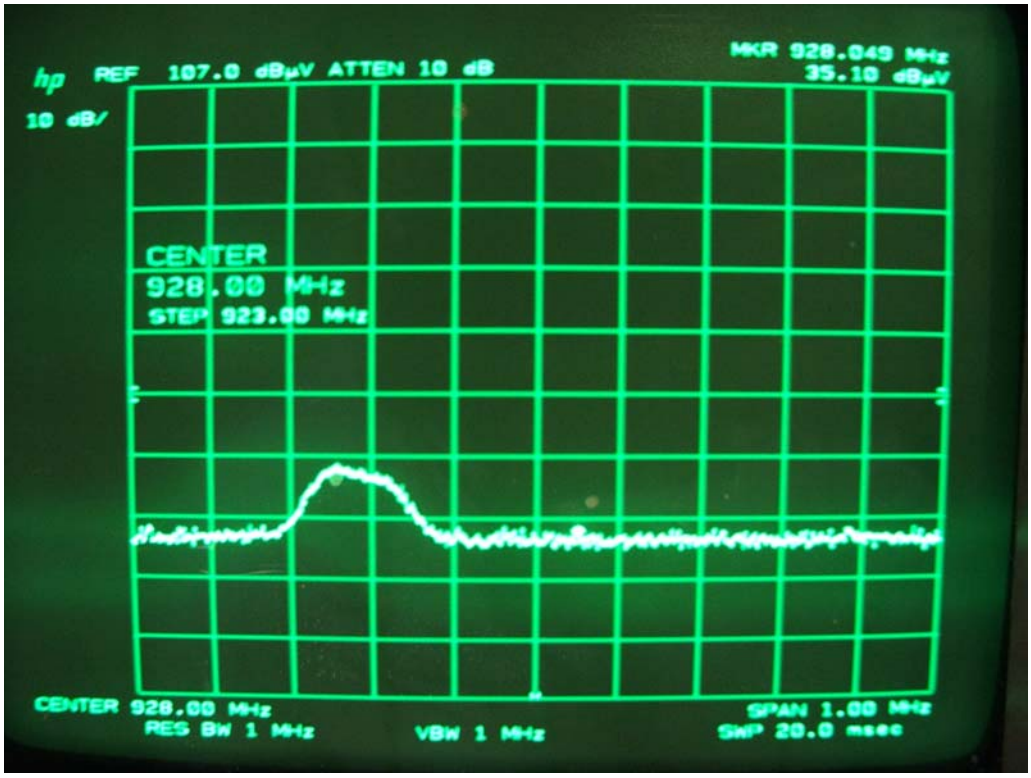
COMPATIBLE ELECTRONICS

Test Location : Compatible Electronics
Customer : David Nichols
Manufacturer : Applied Wireless
Eut name : Audio Transmitter
Model : AT900-32
Serial # : none
Specification : FCC Pt. 15- Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Qualification
temp: 60F humid: 50%
Band Edge

Page : 1/1
Date : 02/23/2007
Time : 10:54:47 AM
Lab : F
Test Distance : 3.00 Meters

Pol	Freq	Reading	Cable loss	Antenna factor	Amplifier gain	Corr'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV/m	dBuV/m	dB
1V	901.775	37.40	7.00	24.76	26.79	42.37	46.00	-3.63
2V	928.049	35.10	7.00	25.22	26.57	40.74	46.00	-5.26


hp
REF 107.0 dBµV ATTEN 10 dB
MKR 901.775 MHz
37.40 dBµV
10 dB/
MARKER
901.775 MHz
37.40 dBµV
CENTER 902.00 MHz
RES BW 1 MHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 20.0 msec


hp
REF 107.0 dBµV ATTEN 10 dB
MKR 928.049 MHz
35.10 dBµV
10 dB/
CENTER
928.00 MHz
STEP 923.00 MHz
CENTER 928.00 MHz
RES BW 1 MHz
VBW 1 MHz
SPAN 1.00 MHz
SWP 20.0 msec

COMPATIBLE ELECTRONICS

2/23/2007 14:57:35

EN 55022 Conducted Emissions
Applied Wireless
Audio Transmitter
AT900-32
120V
Line LI-215 Due 10-13-07
TEST ENGINEER : R. Ramirez

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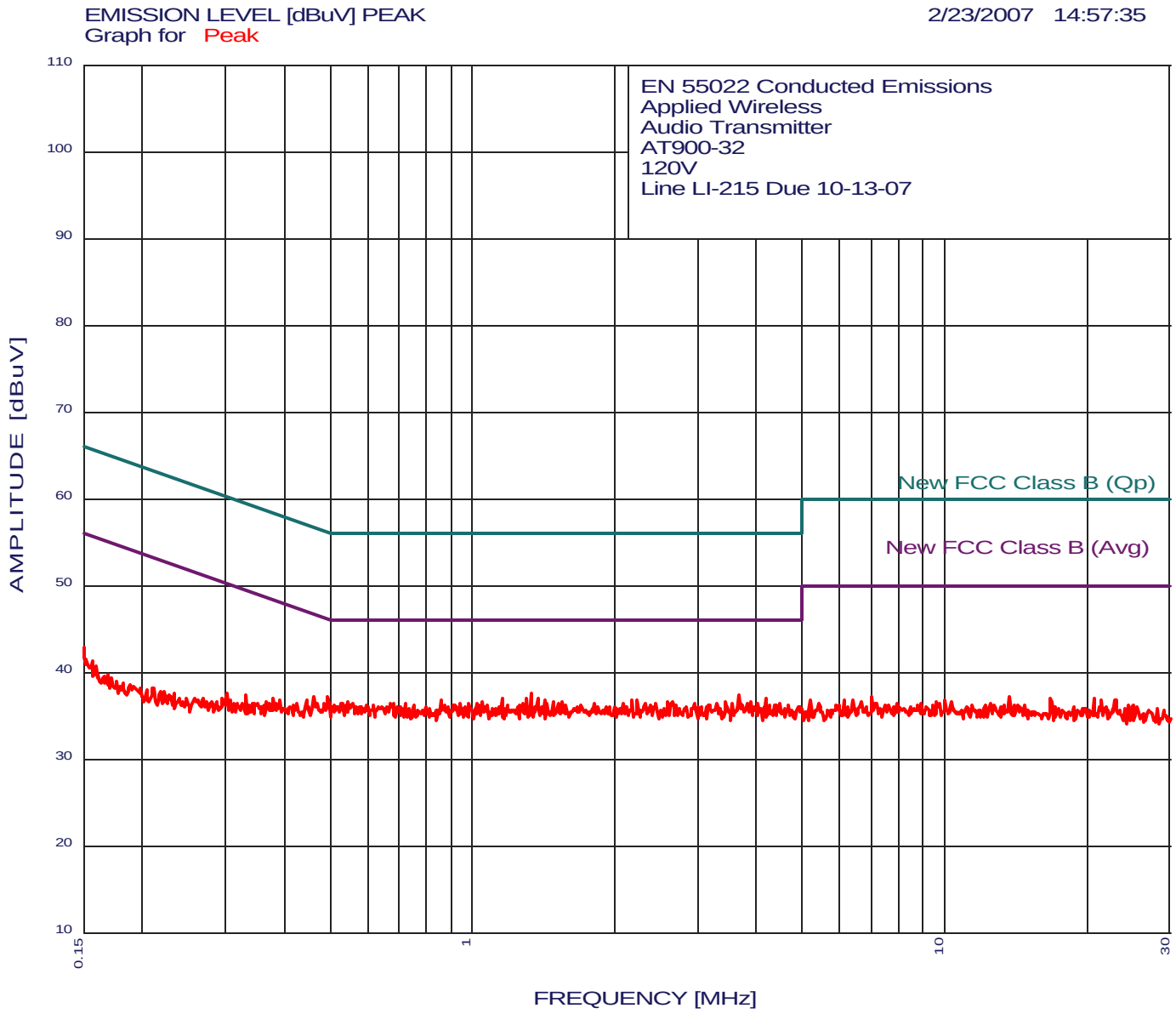
7 highest peaks above -50.00 dB of New FCC Class B (Avg) limit line
Peak criteria : 0.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	1.331	37.63	46.00	-8.37
2	3.663	37.41	46.00	-8.59
3	0.494	37.16	46.09	-8.93
4	1.154	37.03	46.00	-8.97
5	4.182	36.94	46.00	-9.06
6	1.374	36.93	46.00	-9.07
7	0.150	42.79	56.00	-13.21



COMPATIBLE ELECTRONICS

COMPATIBLE ELECTRONICS

2/23/2007 15:05:20

EN 55022 Conducted Emissions
Applied Wireless
Audio Transmitter
AT900-32
120V
Neut LI-215 Due 10-13-07
TEST ENGINEER : R. Ramirez

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7 highest peaks above -50.00 dB of New FCC Class B (Avg) limit line
Peak criteria : 0.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	4.159	38.02	46.00	-7.98
2	2.077	37.53	46.00	-8.47
3	1.820	37.03	46.00	-8.97
4	0.570	37.02	46.00	-8.98
5	0.694	36.99	46.00	-9.01
6	0.471	37.44	46.49	-9.05
7	0.150	40.77	56.00	-15.23

COMPATIBLE ELECTRONICS

EMISSION LEVEL [dBuV] PEAK
Graph for Peak

2/23/2007 15:05:20