July 7, 2009

TEAC Corporation
1-47 Ochiai, Tama-shi,
Tokyo, Japan.

Dear Akira Sekiguchi:

Enclosed you will find your file copy of a Part 15 report (FCC ID: XEGAG-H600NT).

For your reference, TCB will normally take another 20 days for reviewing the report. Approval will then be granted when no query is sorted.

Please contact me if you have any questions regarding the enclosed material.

Sincerely,

Shawn Xing
Assistant Manager

Enclosure

Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch
6F, D Block, Huahan Building, Langshan Road, Nanshan District, Shenzhen, P. R. China
Tel: (86 755) 8601 6288 Fax: (86 755) 8601 6751 Website: www.china.intertek-etlsemko.com

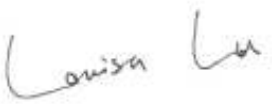
TEAC Corporation

Application
For
Certification

Stereo Receiver
(WiFi Transceiver)

(FCC ID: XEGAG-H600NT)

Model: AG-H600NT



SZ09040278-2
Louisa Lu
July 7, 2009

TRF no.: FCC 15C_TXa

Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch
6F, D Block, Huahan Building, Langshan Road, Nanshan District, Shenzhen, P. R. China
Tel: (86 755) 8601 6288 Fax: (86 755) 8601 6751 Website: www.china.intertek-etlsemko.com

LIST OF EXHIBITS

INTRODUCTION

EXHIBIT 1:	Summary of Tests
EXHIBIT 2:	General Description
EXHIBIT 3:	System Test Configuration
EXHIBIT 4:	Measurement Results
EXHIBIT 5:	Equipment Photographs
EXHIBIT 6:	Product Labeling
EXHIBIT 7:	Technical Specifications
EXHIBIT 8:	Instruction Manual
EXHIBIT 9:	Miscellaneous Information
EXHIBIT 10:	Test Equipment List

MEASUREMENT/TECHNICAL REPORT

TEAC Corporation - MODEL: AG-H600NT

FCC ID: XEGAG-H600NT

This report concerns (check one) Original Grant ___X___ Class II Change ____

Equipment Type: DTS - Part 15 Digital Transmission Systems (WiFi transmitter portion)

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? Yes _____ No ___X___

If yes, defer until : _____
date

Company Name agrees to notify the Commission by: _____
date

of the intended date of announcement of the product so that the grant can be issued on that date.

Transition Rules Request per 15.37? Yes _____ No ___X___

If no, assumed Part 15, Subpart C for intentional radiator - the new 47 CFR [10-01-08 Edition] provision.

Report prepared by:

Shawn Xing
Intertek Testing Services Shenzhen Ltd.
Kejiyuan Branch
6F, Block D, Huahan Building, Langshan Road,
Nanshan District, Shenzhen, P. R. China
Phone: (86 755) 8601 6288
Fax: (86 755) 8601 6751

Table of Contents

1.0 **Summary of test results** 2

2.0 **General Description** 4
2.1 Product Description 4
2.2 Related Submittal(s) Grants 5
2.3 Test Methodology 5
2.4 Test Facility 5

3.0 **System Test Configuration** 7
3.1 Justification 7
3.2 EUT Exercising Software 7
3.3 Details of EUT and Description of Peripherals 8
3.4 Measurement Uncertainty 8
3.5 Equipment Modification 8
3.6 Support Equipment List and Description 9

4.0 **Measurement Results** 11
4.1 Maximum Conducted Output Power at Antenna Terminals 11
4.2 Minimum 6dB RF Bandwidth 12
4.3 Maximum Power Density 13
4.4 Out of Band Conducted Emissions 15
4.5 Out of Band Radiated Emissions 16
4.6 Transmitter Radiated Emissions in Restricted Bands 17
4.7 Field Strength Calculation 18
4.8 Radiated Emission Configuration Photograph 19
4.9 Radiated Emission Data 20
4.10 Conducted EmissionConfiguration Photograph 27
4.11 Conducted Emission Data 28
4.12 Radiated Emission from Digital Section of Transceiver 30
4.13 Transmitter Duty Cycle Calculation and Measurements 31

5.0 **Equipment Photographs** 33

6.0 **Product Labelling** 35

7.0 **Technical Specifications** 37

8.0 **Instruction Manual** 39

9.0 **Miscellaneous Information** 41

10.0 **Test Equipment List** 43

List of attached file

Exhibit Type	File Description	Filename
Cover Letter	Letter of Agency	agency.pdf
Test Report	Test Report	report.pdf
Test Report	6 dB Bandwidth Plot	6dB.pdf
Test Report	Maximum Power Density Plot	maxpd.pdf
Test Report	Out Band Antenna Conducted Emission Plot	obantcon.pdf
Test Report	Bandedge Plot	bandedge.pdf
Test Setup Photo	Radiated Emission	radiated photos.pdf
Test Setup Photo	Conducted Emission	conducted photos.pdf
External Photo	External Photo	external photos.pdf
Internal Photo	Internal Photo	internal photos.pdf
Block Diagram	Block Diagram	block.pdf
Schematics	Circuit Diagram	circuit.pdf
Operation Description	Technical Description	descri.pdf
ID Label/Location	Label Artwork and Location	label.pdf
User Manual	User Manual	manual.pdf
Equipment List	Test Equipment List	equipment list.pdf
RF Exposure info	RF Safety	RF exposure info.pdf

EXHIBIT 1

SUMMARY OF TEST RESULTS

1.0 Summary of Test

TEAC Corporation - MODEL: AG-H600NT

FCC ID: XEGAG-H600NT

TEST	REFERENCE	RESULTS
Max. Output power	15.247(b)	Pass
6 dB Bandwidth	15.247(a)(2)	Pass
Max. Power Density	15.247(e)	Pass
Out of Band Antenna Conducted Emission	15.247(d)	Pass
Radiated Emission in Restricted Bands	15.247(d)	Pass
AC Conducted Emission	15.207	Pass
Antenna Requirement	15.203	Pass (See Notes)

Notes: The EUT uses a detachable mono-pole antenna with reverse SMA connector, which in accordance to Section 15.203 is considered sufficient to comply with the provisions of this section.

EXHIBIT 2

GENERAL DESCRIPTION

2.0 General Description

2.1 Product Description

The Equipment Under Test (EUT) is a Stereo Receiver with WiFi operating at 2.412-2.462GHz, 11 channels selection. The EUT is powered by 120VAC 60Hz. It also has the function of CD player, AM/FM radio, Aux In, Ipod and phono Player, and its integraled WiFi and LAN function can connect to internet and support internet services, such as RSS news, internet radio and multimedia sharing.

For more detailed features description, please refer to the user's manual.

Antenna Type: external, detachable with reverse SMA connector

The circuit descriptions are saved with filename: descri.pdf.

2.2 Related Submittal(s) Grants

This is an application for certification of:
DTS- Part 15 Digital Transmission Systems (WiFi transmitter portion)

Remaining portions are subject to the following procedures:
1. Receiver portion of WiFi: exempt from technical requirement of this Part.
2. Other function: 15 Verification (report no. : SZ09040006-1).

2.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.4 (2003) and KDB 558074. Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application. All other measurements were made in accordance with the procedures in part 2 of CFR 47.

2.4 Test Facility

The Semi-Anechoic chamber and shield room used to collect the radiated data and conducted data is **Interterk Testing Services Shenzhen Ltd. Kejiyuan Branch** and located at 6F, Block D, Huahan Building, Langshan Road, Nanshan District, Shenzhen, P. R. China. This test facility and site measurement data have been fully placed on file with the FCC.

EXHIBIT 3

SYSTEM TEST CONFIGURATION

3.0 System Test Configuration

3.1 Justification

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables were manipulated to produce worst case emissions. It was powered by 120VAC, 60Hz.

The signal is maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

3.2 EUT Exercising Software

The EUT exercise program (provided by client) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use.

The parameters of test software setting:
During the test, Channel and power controlling software provided by the applicant was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the application and is going to be fixed on the firmware of the end product.

Power Parameters of IEEE 802.11b/g

Test software setting of IEEE 802.11b/g			
Channel No.	Output Power	Data rate	Date modulation
1,6,11	29	802.11b: 1-11Mbps	802.11b: DSSS (BPSK, QPSK,CCK)
	29	802.11g: 6-54Mbps	802.11g: OFDM (BPSK, QPSK, 16/64QAM)

We test all data rate and only the worst - case data is shown in the report.

3.3 Details of EUT and Description of Peripherals

Details of EUT:

(1) AM antenna / FM antenna / WiFi Antenna
(2) Remote Controller
(3) Power Cord

3.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

3.5 Equipment Modification

Any modifications installed previous to testing by TEAC Corporation will be incorporated in each production model sold/leased in the United States.

No modifications were installed by Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch.

3.6 Support Equipment List and Description

This product was tested in the following configuration:

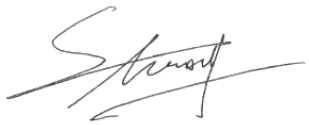
Refer List:

Description	Manufacturer	Model No.
iPod	Apple	A1136
iPod Docking	TEAC	DS-20
Temination Loading	---	---
AV Cable×8	---	Length 100cm
Headphone	---	Length 150cm
Speaker	ChangJia	DM810
LAN Cable	---	Length 180cm

All the items listed under section 3.0 of this report are

Confirmed by:

Shawn Xing
Assistant Manager
Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch
Agent for TEAC CORPORATION



_____ *Signature*

July 7, 2009 *Date*

EXHIBIT 4

MEASUREMENT RESULTS

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.0 **Measurement Results**

4.1 Maximum Conducted Output Power at Antenna Terminals, FCC Rules 15.247(b)(3):

[×] The antenna power of the EUT was connected to the input of a power meter. Power was read directly and cable loss correction was added to the reading to obtain power at the EUT antenna terminals.

[ ] The antenna port of the EUT was connected to the input of a spectrum analyzer. The analyzer was set for RBW> 6dB bandwidth and power was read directly in dBm. External attenuation and cable loss were compensated from the measured value.

For antennas with gains of 6 dBi or less, maximum allowed Transmitter output is 1 watt (+30 dBm).

IEEE 802.11b (Antenna Gain = 2.0dBi)		
Frequency (MHz)	Output in dBm	Output in mWatt
Low Channel: 2412	20.7	116.6
Middle Channel: 2437	20.9	124.4
High Channel: 2462	21.0	125.1

IEEE 802.11g (Antenna Gain = 2.0dBi)		
Frequency (MHz)	Output in dBm	Output in mWatt
Low Channel: 2412	25.3	335.9
Middle Channel: 2437	25.3	340.0
High Channel: 2462	25.3	340.8

Cable loss: 0.5 dB External Attenuation : 0 dB

Cable loss, external attenuation: [ ] included in OFFSET function
[x] added to power meter raw reading

EUT dBm max. output level = 25.3 dBm (+30 dBm or less)

For RF Safety, the information is saved with filename: RF exposure info.pdf.

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.2 Minimum 6 dB RF Bandwidth, FCC Rule 15.247(a)(2):

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK output reading was taken, a DISPLAY line was drawn 6 dB lower than PEAK level. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

IEEE 802.11b (DSSS, 11Mbps)	
Frequency (MHz)	6 dB Bandwidth (MHz)
2412	10.08

IEEE 802.11g (OFDM, 6Mbps)	
Frequency (MHz)	6 dB Bandwidth (MHz)
2437	16.40

Limit: at least 500 kHz

Refer to the following plots for 6 dB bandwidth sharp:

IEEE 802.11b
Plot B2A1- B2A2: Low Channel 6 dB RF Bandwidth
Plot B2B1- B2B2: Middle Channel 6 dB RF Bandwidth
Plot B2C1- B2C2: High Channel 6 dB RF Bandwidth

IEEE 802.11g
Plot G2A1- G2A2: Low Channel 6 dB RF Bandwidth
Plot G2B1- G2B2: Middle Channel 6 dB RF Bandwidth
Plot G2C1- G2C2: High Channel 6 dB RF Bandwidth

For electronic filing, the above plots are saved with filename: 6dB.pdf

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.3 Maximum Power Density Reading, FCC Rule 15.247(e) :

The spectrum analyzer RES BW was set to 3kHz. In order to look for a peak, the START and STOP frequencies were set to the band edges of the maximum output passband. If there is no clear maximum amplitude in any given portion of the band, it may be necessary to make measurements at a number of bands defined by several START and STOP frequency pairs.

Antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.

IEEE 802.11b (DSSS, 11Mbps)	
Frequency (MHz)	Power Density (dBm/3kHz)
2462.054	-4.96

Frequency Span = 1.5MHz

Sweep Time = Frequency Span/3kHz
= 500 seconds

Cable Loss: 0.5dB

Peak Power Density (at 2462.054MHz) = -4.96 dBm/3kHz

Limit: 8dBm/ 3 kHz

Refer to the following plots for power density data :

Plot B3A1- B3A2: Low Channel power density
Plot B3B1- B3B2: Middle Channel power density
Plot B3C1- B3C2: High Channel power density

For electronic filing, the above plots are saved with filename: maxpd.pdf

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.3 Maximum Power Density Reading, FCC Rule 15.247(e)-Continued:

IEEE 802.11g (OFDM, 6Mbps)	
Frequency (MHz)	Power Density (dBm/3kHz)
2462.000	-10.28

Frequency Span = 1.5MHz

Sweep Time = Frequency Span/3kHz
= 500 seconds

Cable Loss: 0.5dB

Peak Power Density (at 2462.000MHz) = -10.28 dBm/3kHz

Limit: 8dBm/ 3 kHz

Refer to the following plots for power density data :

Plot G3A1- G3A2: Low Channel power density
Plot G3B1- G3B2: Middle Channel power density
Plot G3C1- G3C2: High Channel power density

For electronic filing, the above plots are saved with filename: maxpd.pdf

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.4 Out of Band Conducted Emissions, FCC Rule 15.247(d)

In any 100 kHz bandwidth outside the EUT passband, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20dB below that of the maximum in-band 100 kHz emission, or else shall meet the general limits for radiated emissions at frequencies outside the passband, whichever results in lower attenuation.

All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the passband.

Refer to the following plots for out of band conducted emissions data:

Plot B4A1 - B4A2: Low Channel Emissions
Plot B4B1 - B4B2: Middle Channel Emissions
Plot B4C1 - B4C2: High Channel Emissions
Plot G4A1 - G4A2: Low Channel Emissions
Plot G4B1 - G4B2: Middle Channel Emissions
Plot G4C1 - G4C2: High Channel Emissions

The plots showed all spurious emission and up to the tenth harmonic was measured and they were found to be at least 20 dB below the highest level of the desired power in the passband.

For the electronic filing, the above plots are saved with filename: obantcon.pdf

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.5 Out of Band Radiated Emissions (for emissions in 4.4 above that are less than 20dB below carrier), FCC Rule 15.247(d):

For out of band emissions that are close to or that exceed the 20dB attenuation requirement described in the specification, radiated measurements were performed at a 3m separation distance to determine whether these emissions complied with the general radiated emission requirement.

[×] Not required, since all emissions are more than 20dB below fundamental
[ ] See attached data sheet

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.6 Transmitter Radiated Emissions in Restricted Bands, FCC Rule 15.35(b), (c):

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

4.7 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

FS = RA + AF + CF - AG + PD + AV

Where FS = Field Strength in dBμV/m
RA = Receiver Amplitude (including preamplifier) in dBμV
CF = Cable Attenuation Factor in dB
AF = Antenna Factor in dB
AG = Amplifier Gain in dB
PD = Pulse Desensitization in dB
AV = Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

FS = RA + AF + CF - AG + PD + AV

Example
Assume a receiver reading of 62.0 dBμV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB, and the resultant average factor was -10 dB. The net field strength for comparison to the appropriate emission limit is 32 dBμV/m. This value in dBμV/m was converted to its corresponding level in μV/m.

RA = 62.0 dBμV
AF = 7.4 dB
CF = 1.6 dB
AG = 29.0 dB
PD = 0 dB
AV = -10 dB
FS = 62 + 7.4 + 1.6 - 29 + 0 + (-10) = 32 dBμV/m

Level in mV/m = Common Antilogarithm [(32 dBμV/m)/20] = 39.8 μV/m

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.8 Radiated Emission Configuration Photograph

Worst Case Radiated Emission
at
2483.500 MHz

For the electronic filing, the worst case radiated emission configuration photographs are saved with filename: radiated photos.pdf.

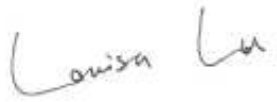
Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.9 Radiated Emission Data

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

Judgement : Passed by 2.0 dB margin

TEST PERSONNEL:



Tester Signature

Louisa Lu, Engineer
Typed/Printed Name

July 7, 2009
Date

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT
Mode: 802.11b (TX-Channel 01)

Table 1-2
Radiated Emissions

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*2310.000	40.1	36.7	28.4	31.8	54.0	-22.2
Vertical	*2390.000	41.5	36.7	28.4	33.2	54.0	-20.8
Vertical	*4824.000	33.1	36.1	33.4	30.4	54.0	-23.6

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*2310.000	40.1	36.7	28.4	31.8	74.0	-42.2
Vertical	*2390.000	41.5	36.7	28.4	33.2	74.0	-40.8
Vertical	*4824.000	33.1	36.1	33.4	30.4	74.0	-43.6

NOTES: 1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.

4. Horn antenna used for the emission over 1000MHz.

* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Test Engineer: Louisa Lu

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT
Mode: 802.11b (TX-Channel 06)

Table 3-4
Radiated Emissions

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*4874.000	33.6	36.1	33.4	30.9	54.0	-23.1
Vertical	*7311.000	29.9	36.3	38.0	31.6	54.0	-22.4

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*4874.000	33.6	36.1	33.4	30.9	74.0	-43.1
Vertical	*7311.000	29.9	36.3	38.0	31.6	74.0	-42.4

NOTES: 1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.

4. Horn antenna used for the emission over 1000MHz.

* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Test Engineer: Louisa Lu

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT
Mode: 802.11b (TX-Channel 11)

Table 5-6
Radiated Emissions

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	**2462.480	124.3	36.7	28.5	116.1	N/A	N/A
Vertical	*2483.500	54.4	36.7	28.5	46.2	54.0	-7.8
Vertical	*4924.000	34.4	36.1	33.5	31.8	54.0	-22.2
Vertical	*7386.000	29.5	36.3	38.1	31.3	54.0	-22.7

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	**2462.480	124.3	36.7	28.5	116.1	N/A	N/A
Vertical	*4924.000	34.4	36.1	33.5	31.8	74.0	-42.2
Vertical	*7386.000	29.5	36.3	38.1	31.3	74.0	-42.7

NOTES: 1. Average detector is used for the frequency 2483.5MHz, and Peak detector is used for other frequencies when conduct the emission measurement.
2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative value in the margin column shows emission below limit.
4. Horn antenna used for the emission over 1000MHz.

* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

** Fundamental emissions were measured for determining band-edge compliance of using delta measurements technique. The worst case emissions were at 2483.500MHz, which was passed by 14.1dB margin compared with Peak limit. (refer to attached bandedge plot)

Test Engineer: Louisa Lu

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT
Mode: 802.11g (TX-Channel 01)

Table 7-8
Radiated Emissions

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*2310.000	40.5	36.7	28.4	32.2	54.0	-21.8
Vertical	*2389.360	57.9	36.7	28.4	49.6	54.0	-4.4
Vertical	*4824.000	34.0	36.1	33.4	31.3	54.0	-22.7

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*2310.000	40.5	36.7	28.4	32.2	74.0	-41.8
Vertical	*2389.360	57.9	36.7	28.4	49.6	74.0	-24.4
Vertical	*4824.000	34.0	36.1	33.4	31.3	74.0	-42.7

NOTES: 1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.

4. Horn antenna used for the emission over 1000MHz.

* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Test Engineer: Louisa Lu

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT
Mode: 802.11g (TX-Channel 06)

Table 9-10
Radiated Emissions

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*4874.000	33.1	36.1	33.4	30.4	54.0	-23.6
Vertical	*7311.000	29.0	36.3	38.0	30.7	54.0	-23.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	*4874.000	33.1	36.1	33.4	30.4	74.0	-43.6
Vertical	*7311.000	29.0	36.3	38.0	30.7	74.0	-43.3

NOTES: 1. Peak detector is used for the emission measurement.

2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.

4. Horn antenna used for the emission over 1000MHz.

* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Test Engineer: Louisa Lu

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT
Mode: 802.11g (TX-Channel 11)

Table 11-12
Radiated Emissions

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	**2462.000	121.7	36.7	28.5	113.5	N/A	N/A
Vertical	*2483.500	54.8	36.7	28.5	46.6	54.0	-7.4
Vertical	*4924.000	34.9	36.1	33.5	32.3	54.0	-21.7
Vertical	*7386.000	29.9	36.3	38.1	31.7	54.0	-22.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Vertical	**2462.000	121.7	36.7	28.5	113.5	N/A	N/A
Vertical	*4924.000	34.9	36.1	33.5	32.3	74.0	-41.7
Vertical	*7386.000	29.9	36.3	38.1	31.7	74.0	-42.3

NOTES: 1. Average detector is used for the frequency 2483.5MHz, and Peak detector is used for other frequencies when conduct the emission measurement.
2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative value in the margin column shows emission below limit.
4. Horn antenna used for the emission over 1000MHz.

* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

** Fundamental emissions were measured for determining band-edge compliance of using delta measurements technique. The worst case emissions were at 2483.500MHz, which was passed by 2.0dB margin compared with Peak limit. (refer to attached bandedge plot)

Test Engineer: Louisa Lu

4.10 Conducted Emission Configuration Photograph

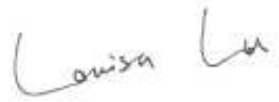
Worst Case Line-Conducted Configuration
at
0.386 MHz

For electronic filing, the worst case conducted emission configuration photograph is saved with filename: conducted photos.pdf.

4.11 Conducted Emission Data

Judgement: Passed by 1.5 dB margin

TEST PERSONNEL:



Signature

Louisa Lu, Engineer
Typed/Printed Name

July 7, 2009
Date

Company: TEAC Corporation
Date of Test: April 24, 2009
Model: AG-H600NT
Worst Case Operating Mode: Transmit

Table 13-14
Conducted Emissions

Live Line Data

Frequency (MHz)	Quasi-Peak		Average	
	Disturbance level dB(μV)	Permitted limit dB(μV)	Disturbance level dB(μV)	Permitted limit dB(μV)
0.240	44.6	62.1	18.5	52.1
0.386	39.2	58.1	37.8	48.1
0.426	35.1	57.3	32.3	47.3
0.774	30.6	56.0	24.7	46.0
2.326	30.5	56.0	23.5	46.0
15.850	27.6	60.0	18.4	50.0

Neutral Line Data

Frequency (MHz)	Quasi-Peak		Average	
	Disturbance level dB(μV)	Permitted limit dB(μV)	Disturbance level dB(μV)	Permitted limit dB(μV)
0.238	46.2	62.2	21.9	52.2
0.386	46.8	58.1	46.6	48.1
0.426	34.7	57.3	29.2	47.3
0.774	32.5	56.0	28.9	46.0
2.326	33.8	56.0	29.6	46.0
15.530	26.7	60.0	18.8	50.0

Test Engineer: Louisa Lu

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.12 Radiated Emissions from Digital Section of Transceiver, FCC Ref: 15.109

[ ] Not required - No digital part

[ ] Test results are attached

[x] Included in the separated Certification and Verification report.

Applicant: TEAC Corporation Date of Test: July 7, 2009
Model: AG-H600NT

4.13 Transmitter Duty Cycle Calculation and Measurements, FCC Rule 15.35(b), (c)

The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SWEP function on the analyzer was set to ZERO SPAN. The Transmitter ON time was determined from the resultant time-amplitude display:

	See attached spectrum analyzer chart (s) for Transmitter timing
	See Transmitter timing diagram provided by manufacturer
x	Not applicable, duty cycle was not used.

EXHIBIT 5

EQUIPMENT PHOTOGRAPHS

5.0 Equipment Photographs

For electronic filing, the photographs are saved with filename: external photos.doc & internal photos.pdf.

EXHIBIT 6

PRODUCT LABELLING

6.0 **Product Labelling**

For electronic filing, the FCC ID label artwork and location is saved with filename: label.pdf.

EXHIBIT 7

TECHNICAL SPECIFICATIONS

7.0 Technical Specifications

For electronic filing, the block diagram and circuit diagram are saved with filename: block.pdf and circuit.pdf respectively.

EXHIBIT 8

INSTRUCTION MANUAL

8.0 **Instruction Manual**

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States.

EXHIBIT 9

MISCELLANEOUS INFORMATION

9.0 Discussion of Pulse Desensitization

The determination of pulse desensitivity was made in accordance with Hewlett Packard Application Note 150-2, *Spectrum Analysis ... Pulsed RF.*

Pulse desensitivity is not applicable for this device since the transmitter transmits the RF signal continuously.

EXHIBIT 10

TEST EQUIPMENT LIST

10.0 Test Equipment List

For electronic filing, the test equipment list of the tested EUT is saved with filename: equipment list.pdf.