ADDENDUM TO HAIER AMERICA LLC TEST REPORT FC07-071

FOR THE

WIFI AND BLUETOOTH ENABLED MEDIA PLAYER, MW101AM

FCC PART 15 SUBPART C SECTIONS 15.247, 15.207 & 15.209,
SUBPART B SECTIONS 15.107 & 15.109, CLASS B AND RSS-210 ISSUE 7

TESTING

DATE OF ISSUE: NOVEMBER 5, 2007

PREPARED FOR:

Haier America Trading Company, LLC
Haier Building
1356 Broadway
New York, New York 10018

PREPARED BY:

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CKC Laboratories, Inc.
5046 Sierra Pines Drive
Mariposa, CA 95338

P.O. No.: 4971
W.O. No.: 86173

Date of test: August 27 - November 1, 2007

Report No.: FC07-071A

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ADMINISTRATIVE INFORMATION

DATE OF TEST: August 27 – November 1, 2007

DATE OF RECEIPT: August 27, 2007

REPRESENTATIVE: Chris Doughty, Synapse Product Development, LLC

MANUFACTURER:
Haier America Trading Company, LLC
Haier Building
1356 Broadway
New York, New York 10018

TEST LOCATION:
CKC Laboratories, Inc.
110 Olinda Place
Brea, CA 92823
22116 23rd Drive S.E. Suite A
Bothell, WA 98021-4412

TEST METHOD: ANSI C63.4 (2003), RSS-210 Issue 7 and RSS GEN Issue 2

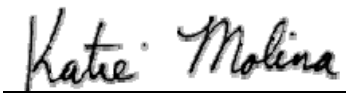
PURPOSE OF TEST: Original Report: To perform the testing of the WiFi and Bluetooth Enabled Media Player, MW101AM with the requirements for FCC Part 15 Subpart C Sections 15.247, 15.207 & 15.209, Subpart B Sections 15.107 & 15.109 Class B and RSS-210 devices. **Addendum A:** To clarify the frequency ranges and number of channels on page 5 with no new testing and to add FCC 15.107 and 15.109 data with new testing to conform to ANSI C63.4 test setup.

APPROVALS

Steve Behm, Director of Engineering Services

QUALITY ASSURANCE:

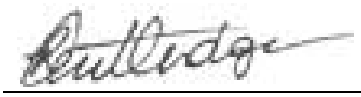
Joyce Walker, Quality Assurance Administrative Manager



Katie Molina, Senior EMC Engineer/Lab Manager

TEST PERSONNEL:

Eddie Wong, EMC Engineer



Ryan Rutledge, EMC Test Technologist

FCC TO CANADA STANDARD CORRELATION MATRIX

Canadian Standard	Canadian Section	FCC Standard	FCC Section	Test Description
RSS GEN	7.1.4	47CFR	15.203	Antenna Connector Requirements
RSS GEN	7.2.1	47CFR	15.35(c)	Pulsed Operation
RSS GEN	7.2.2	47CFR	15.207	AC Mains Conducted Emissions Requirement
RSS 210	2.1	47CFR	15.215(c)	Frequency Stability Recommendation
RSS 210	2.2	47CFR	15.205	Restricted Bands of Operation
RSS 210	2.6	47CFR	15.209	General Radiated Emissions Requirement
RSS 210	A8.1	47CFR	15.247(a)(1)	Definition of FHSS
RSS 210	A8.1	47CFR	15.247(h)	Incorporation of Intelligence
RSS 210	A8.1(1)	47CFR	15.247(a)(1)	Minimum Channel Bandwidth
RSS 210	A8.1(1)	47CFR	15.247(g)	Hopping Sequence
RSS 210	A8.1(2)	47CFR	15.247(a)(1)	Carrier Separation
RSS 210	A8.1(2)	47CFR	15.247(a)(1)	Carrier Separation 2400 Alternative
RSS 210	A8.1(4)	47CFR	15.247(a)(1)(iii)	Average Time of Occupancy
RSS 210	A8.1(4)	47CFR	15.247(a)(1)(iii)	Number of Hopping Channels
RSS 210	A8.2(1)	47CFR	15.247(a)(2)	Minimum 6dB Bandwidth
RSS 210	A8.2(2)	47CFR	15.247(e)	Peak Power Spectral Density
RSS 210	A8.3(1)	47CFR	15.247(f)	Hybrid Systems - Time of Occupancy
RSS 210	A8.3(1)	47CFR	15.247(f)	Hybrid Systems - Power Spectral Density
RSS 210	A8.4(2)	47CFR	15.247(b)(1)	RF Power Output
RSS 210	A8.4(2)	NA	NA	EIRP Limit
RSS 210	A8.4(4)	47CFR	15.247(b)(3)	RF Power Output
RSS 210	A8.4(4)	NA	NA	EIRP Limit
RSS 210	A8.4(5)	47CFR	15.247(c)(1)	Directional Gain Requirements
RSS 210	A8.4(6)	47CFR	15.247(c)(2)	Beam Steering Antennas
RSS 210	A8.5	47CFR	15.247(d)	Spurious Emissions
	IC 3172-A		90473	Site File No.

Rule Sections for RSS 210 are IN ACCORDANCE WITH RSS 210 Issue 7

CONDITIONS DURING TESTING

No modifications to the EUT were necessary during testing. Note: The manufacturer declares the equipment cannot transmit while plugged into a USB Connection and performing a file transfer.

FCC 15.31(m) Number Of Channels
This device was tested on 3 channels and operates on 79 channels for Bluetooth and 13 channels for 802.11b/g.

FCC 15.33(a) Frequency Ranges Tested
15.107 Conducted Emissions: 150 kHz – 30 MHz
15.109 Radiated Emissions: 9 kHz – 25 GHz
15.207 Conducted Emissions: 150 kHz – 30 MHz
15.209/15.247(d) Radiated Emissions: 9 kHz – 25 GHz

FCC 15.203 Antenna Requirements
The antenna is an integral part of the EUT and is non-removable; therefore the EUT complies with Section 15.203 of the FCC rules.

EUT Operating Frequency
The EUT was operating at 2402 MHz – 2480 MHz for Bluetooth and 2412 MHz –2462 MHz for 802.11b/g.

EQUIPMENT UNDER TEST (EUT) DESCRIPTION

The customer declares the EUT tested by CKC Laboratories was representative of a production unit.

The following model was tested by CKC Laboratories: **MW101**

Since the time of testing the manufacturer has chosen to use the following model name in its place. Any differences between the names does not affect their EMC characteristics and therefore meets the level of testing equivalent to the tested model name shown on the data sheets: **MW101AM**

EQUIPMENT UNDER TEST

WiFi and Bluetooth Enabled Media Player		**AC Power Supply**	
Manuf:	Haier America LLC	Manuf:	Haier America LLC
Model:	MW101AM	Model:	LSD-D03
Serial:	EG001002Y00000000142	Serial:	NA
FCC ID:	VLPMW101AM	FCC ID:	NA

PERIPHERAL DEVICES

The EUT was tested with the following peripheral devices:

AC Adapter		**Laptop PC**	
Manuf:	Dell	Manuf:	Dell
Model:	HP-OQ065B83	Model:	PP11L
Serial:	CN-0N2765-47890-4B4-4350	Serial:	CN-0C4708-48643-5CC-1983

REPORT OF EMISSIONS MEASUREMENTS

TESTING PARAMETERS

TEMPERATURE AND HUMIDITY DURING TESTING

The temperature during testing was within +15°C and + 35°C.
The relative humidity was between 20% and 75%.

The cables were routed consistent with the typical application by varying the configuration of the test sample. Interface cables were connected to the available ports of the test unit. The effect of varying the position of the cables was investigated to find the configuration that produced maximum emissions. Cables were of the type and length specified in the individual requirements. The length of cable that produced maximum emissions was selected.

The equipment under test (EUT) was set up in a manner that represented its normal use, as shown in the setup photographs. Any special conditions required for the EUT to operate normally are identified in the comments that accompany the emissions tables.

The emissions data was taken with a spectrum analyzer or receiver. Incorporating the applicable correction factors for distance, antenna, cable loss and amplifier gain, the data was reduced as shown in the table below. The corrected data was then compared to the applicable emission limits. Preliminary and final measurements were taken in order to ensure that all emissions from the EUT were found and maximized.

CORRECTION FACTORS

The basic spectrum analyzer reading was converted using correction factors as shown in the highest emissions readings in the tables. For radiated emissions in dBµV/m, the spectrum analyzer reading in dBµV was corrected by using the following formula. This reading was then compared to the applicable specification limit.

SAMPLE CALCULATIONS		
	Meter reading	(dBµV)
+	Antenna Factor	(dB)
+	Cable Loss	(dB)
-	Distance Correction	(dB)
-	Preamplifier Gain	(dB)
=	Corrected Reading	(dBµV/m)

TEST INSTRUMENTATION AND ANALYZER SETTINGS

The test instrumentation and equipment listed were used to collect the emissions data. A spectrum analyzer or receiver was used for all measurements. The following table shows the measuring equipment bandwidth settings that were used in designated frequency bands. For testing emissions, an appropriate reference level and a vertical scale size of 10 dB per division were used. When conducted emissions testing was performed, a 10 dB external attenuator was used with internal offset correction in the analyzer.

MEASURING EQUIPMENT BANDWIDTH SETTINGS PER FREQUENCY RANGE			
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz
RADIATED EMISSIONS	30 MHz	1000 MHz	120 kHz
RADIATED EMISSIONS	1000 MHz	>1 GHz	1 MHz

SPECTRUM ANALYZER/RECEIVER DETECTOR FUNCTIONS

The notes that accompany the measurements contained in the emissions tables indicate the type of detector function used to obtain the given readings. Unless otherwise noted, all readings were made in the "Peak" mode. Whenever a "Quasi-Peak" or "Average" reading is listed as one of the highest readings, this is indicated as a "QP" or an "Ave" on the appropriate rows of the data sheets. The following paragraphs describe in more detail the detector functions and when they were used to obtain the emissions data.

Peak

In this mode, the spectrum analyzer/receiver readings were recorded all emissions at their peak value as the frequency band selected was scanned. By combining this function with another feature of the measuring device called "peak hold," the measuring device had the ability to measure transients or low duty cycle transient emission peak levels. In this mode the measuring device made a slow scan across the frequency band selected and measured the peak emission value found at each frequency across the band.

Quasi-Peak

When the true peak values exceeded or were within 2 dB of the specification limit, quasi-peak measurements were taken using the quasi-peak detector.

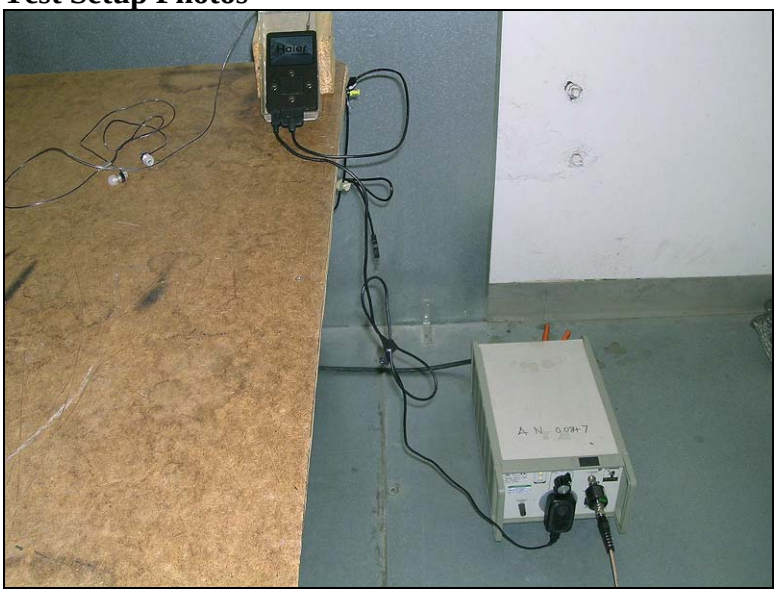
Average

For certain frequencies, average measurements may be made using the spectrum analyzer/receiver. To make these measurements, the test engineer reduces the video bandwidth on the measuring device until the modulation of the signal is filtered out. At this point the measuring device is set into the linear mode and the scan time is reduced.

FCC 15.107 – AC CONDUCTED EMISSIONS

ANALYZER BANDWIDTH SETTINGS PER FREQUENCY RANGE			
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz

Test Setup Photos



Testing 11/1/07

Test Data Sheets

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.107 Class B COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	05:02:54
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	51
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11b mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM

Measurement Data: Reading listed by margin. Test Lead: Black

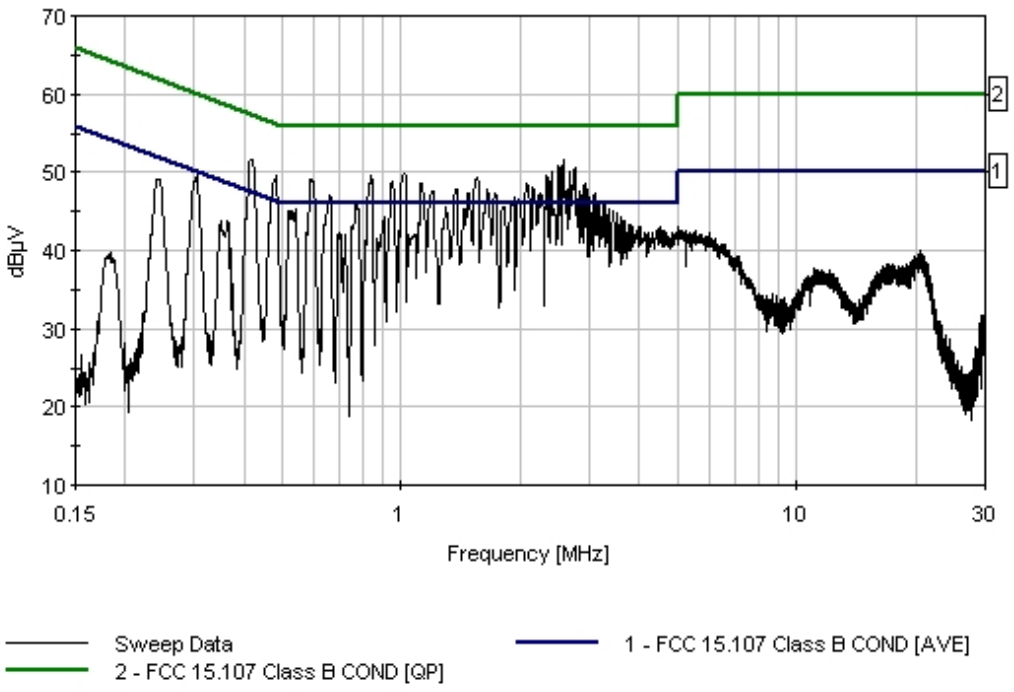
#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	416.157k Ave	37.6	+0.2	+6.2	+0.1	+0.0	+0.0	44.1	47.5	-3.4	Black
^	416.157k	45.2	+0.2	+6.2	+0.1	+0.0	+0.0	51.7	47.5	+4.2	Black
3	694.677k	35.7	+0.2	+6.1	+0.1	+0.1	+0.0	42.2	46.0	-3.8	Black
4	720.857k	35.6	+0.1	+6.1	+0.1	+0.1	+0.0	42.0	46.0	-4.0	Black

5	1.081M	35.7	+0.1	+6.1	+0.0	+0.1	+0.0	42.0	46.0	-4.0	Black
6	867.752k	35.2	+0.1	+6.1	+0.0	+0.1	+0.0	41.5	46.0	-4.5	Black
7	362.344k	37.3	+0.2	+6.2	+0.1	+0.0	+0.0	43.8	48.7	-4.9	Black
8	591.414k Ave	32.9	+0.2	+6.1	+0.1	+0.1	+0.0	39.4	46.0	-6.6	Black
^	591.414k	42.7	+0.2	+6.1	+0.1	+0.1	+0.0	49.2	46.0	+3.2	Black
10	5.157M	35.8	+0.1	+6.2	+0.2	+0.2	+0.0	42.5	50.0	-7.5	Black
11	5.571M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	50.0	-7.6	Black
12	373.252k	33.7	+0.2	+6.2	+0.1	+0.0	+0.0	40.2	48.4	-8.2	Black
13	237.507k Ave	37.4	+0.2	+6.1	+0.1	+0.1	+0.0	43.9	52.2	-8.3	Black
14	480.655k Ave	30.2	+0.2	+6.2	+0.1	+0.1	+0.0	36.8	46.3	-9.5	Black
^	481.606k	42.9	+0.2	+6.2	+0.1	+0.1	+0.0	49.5	46.3	+3.2	Black
16	20.598M	32.0	+0.3	+6.1	+0.4	+1.3	+0.0	40.1	50.0	-9.9	Black
17	300.715k Ave	33.1	+0.2	+6.2	+0.1	+0.1	+0.0	39.7	50.2	-10.5	Black
^	304.168k	42.9	+0.2	+6.2	+0.1	+0.1	+0.0	49.5	50.1	-0.6	Black
19	945.249k Ave	29.2	+0.1	+6.1	+0.0	+0.1	+0.0	35.5	46.0	-10.5	Black
^	945.249k	42.4	+0.1	+6.1	+0.0	+0.1	+0.0	48.7	46.0	+2.7	Black
21	528.825k Ave	28.3	+0.2	+6.2	+0.1	+0.1	+0.0	34.9	46.0	-11.1	Black
22	1.018M Ave	28.4	+0.1	+6.1	+0.0	+0.1	+0.0	34.7	46.0	-11.3	Black
^	1.018M	43.6	+0.1	+6.1	+0.0	+0.1	+0.0	49.9	46.0	+3.9	Black
24	765.540k Ave	28.1	+0.1	+6.1	+0.1	+0.1	+0.0	34.5	46.0	-11.5	Black
^	764.489k	40.0	+0.1	+6.1	+0.1	+0.1	+0.0	46.4	46.0	+0.4	Black
26	1.119M Ave	27.1	+0.1	+6.1	+0.0	+0.1	+0.0	33.4	46.0	-12.6	Black
^	1.120M	42.3	+0.1	+6.1	+0.0	+0.1	+0.0	48.6	46.0	+2.6	Black
28	1.549M Ave	26.3	+0.1	+6.1	+0.1	+0.1	+0.0	32.7	46.0	-13.3	Black
^	1.549M	43.0	+0.1	+6.1	+0.1	+0.1	+0.0	49.4	46.0	+3.4	Black

30	661.500k Ave	25.7	+0.2	+6.1	+0.1	+0.1	+0.0	32.2	46.0	-13.8	Black
^	660.499k	40.6	+0.2	+6.1	+0.1	+0.1	+0.0	47.1	46.0	+1.1	Black
32	842.100k Ave	25.7	+0.1	+6.1	+0.0	+0.1	+0.0	32.0	46.0	-14.0	Black
^	842.300k	43.2	+0.1	+6.1	+0.0	+0.1	+0.0	49.5	46.0	+3.5	Black
34	2.143M Ave	25.0	+0.1	+6.1	+0.1	+0.1	+0.0	31.4	46.0	-14.6	Black
^	2.149M	41.6	+0.1	+6.1	+0.1	+0.1	+0.0	48.0	46.0	+2.0	Black
36	1.382M Ave	24.9	+0.1	+6.1	+0.0	+0.1	+0.0	31.2	46.0	-14.8	Black
^	1.383M	41.5	+0.1	+6.1	+0.0	+0.1	+0.0	47.8	46.0	+1.8	Black
38	1.804M Ave	24.3	+0.1	+6.1	+0.1	+0.1	+0.0	30.7	46.0	-15.3	Black
^	1.804M	39.2	+0.1	+6.1	+0.1	+0.1	+0.0	45.6	46.0	-0.4	Black
40	2.576M Ave	24.0	+0.1	+6.2	+0.1	+0.2	+0.0	30.6	46.0	-15.4	Black
^	2.578M	45.0	+0.1	+6.2	+0.1	+0.2	+0.0	51.6	46.0	+5.6	Black
42	2.076M Ave	24.0	+0.1	+6.1	+0.1	+0.1	+0.0	30.4	46.0	-15.6	Black
^	2.076M	42.1	+0.1	+6.1	+0.1	+0.1	+0.0	48.5	46.0	+2.5	Black
44	2.741M Ave	23.2	+0.1	+6.2	+0.1	+0.2	+0.0	29.8	46.0	-16.2	Black
^	2.741M	44.0	+0.1	+6.2	+0.1	+0.2	+0.0	50.6	46.0	+4.6	Black
^	2.748M	43.9	+0.1	+6.2	+0.1	+0.2	+0.0	50.5	46.0	+4.5	Black
47	541.237k Ave	22.6	+0.2	+6.1	+0.1	+0.1	+0.0	29.1	46.0	-16.9	Black
^	541.237k	38.7	+0.2	+6.1	+0.1	+0.1	+0.0	45.2	46.0	-0.8	Black
49	1.290M Ave	22.8	+0.1	+6.1	+0.0	+0.1	+0.0	29.1	46.0	-16.9	Black
^	1.294M	39.2	+0.1	+6.1	+0.0	+0.1	+0.0	45.5	46.0	-0.5	Black
51	2.838M Ave	21.7	+0.1	+6.2	+0.1	+0.2	+0.0	28.3	46.0	-17.7	Black
^	2.838M	41.0	+0.1	+6.2	+0.1	+0.2	+0.0	47.6	46.0	+1.6	Black
53	2.908M Ave	20.1	+0.1	+6.2	+0.1	+0.2	+0.0	26.7	46.0	-19.3	Black
^	2.914M	41.9	+0.1	+6.2	+0.1	+0.2	+0.0	48.5	46.0	+2.5	Black

55	3.080M Ave	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	Black
^	3.080M	40.6	+0.1	+6.2	+0.1	+0.2	+0.0	47.2	46.0	+1.2	Black
57	3.012M Ave	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	Black
^	3.012M	38.2	+0.1	+6.2	+0.1	+0.2	+0.0	44.8	46.0	-1.2	Black
59	902.721k Ave	19.7	+0.1	+6.1	+0.0	+0.1	+0.0	26.0	46.0	-20.0	Black
^	902.721k	38.1	+0.1	+6.1	+0.0	+0.1	+0.0	44.4	46.0	-1.6	Black
61	3.425M Ave	19.1	+0.1	+6.2	+0.2	+0.2	+0.0	25.8	46.0	-20.2	Black
^	3.425M	38.3	+0.1	+6.2	+0.2	+0.2	+0.0	45.0	46.0	-1.0	Black
63	3.603M Ave	19.0	+0.1	+6.2	+0.2	+0.2	+0.0	25.7	46.0	-20.3	Black
^	3.603M	37.7	+0.1	+6.2	+0.2	+0.2	+0.0	44.4	46.0	-1.6	Black
65	3.782M Ave	18.5	+0.1	+6.2	+0.2	+0.2	+0.0	25.2	46.0	-20.8	Black
^	3.782M	36.7	+0.1	+6.2	+0.2	+0.2	+0.0	43.4	46.0	-2.6	Black
67	4.509M Ave	16.6	+0.1	+6.2	+0.2	+0.2	+0.0	23.3	46.0	-22.7	Black
^	4.509M	36.4	+0.1	+6.2	+0.2	+0.2	+0.0	43.1	46.0	-2.9	Black
69	3.693M Ave	16.2	+0.1	+6.2	+0.2	+0.2	+0.0	22.9	46.0	-23.1	Black
^	3.693M	37.0	+0.1	+6.2	+0.2	+0.2	+0.0	43.7	46.0	-2.3	Black
71	245.264k Ave	21.9	+0.2	+6.1	+0.1	+0.1	+0.0	28.4	51.9	-23.5	Black
^	245.264k	42.7	+0.2	+6.1	+0.1	+0.1	+0.0	49.2	51.9	-2.7	Black

CKC Laboratories, Inc. Date: 9/15/2007 Time: 05:02:54 Synapse Product Development, LLC WO#: 86173
FCC 15.107 Class B COND [AVE] Test Lead: Black 110V 60Hz Sequence#: 51



Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.107 Class B COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	05:21:34
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	52
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11b mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L2) Insertion Loss 00847 EMCO 3816/2NM

Measurement Data: Reading listed by margin. Test Lead: White

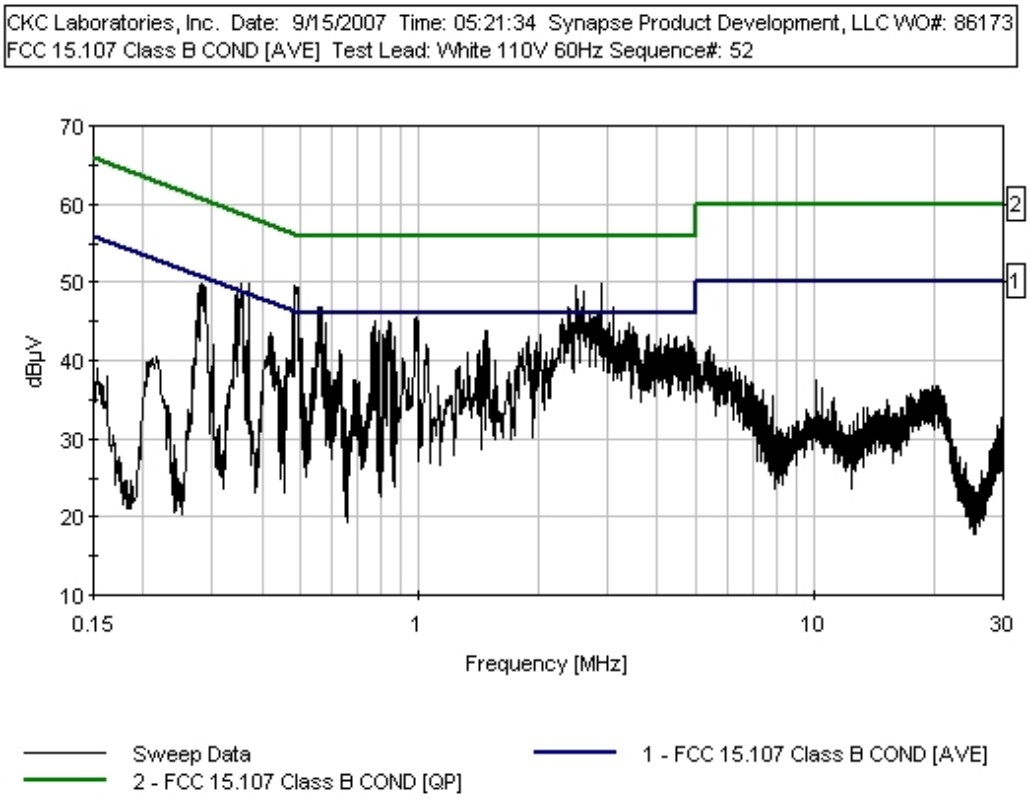
#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	3.795M	36.7	+0.1	+6.2	+0.2	+0.2	+0.0	43.4	46.0	-2.6	White
2	2.034M	36.9	+0.1	+6.1	+0.1	+0.1	+0.0	43.3	46.0	-2.7	White
3	3.433M	36.6	+0.1	+6.2	+0.2	+0.2	+0.0	43.3	46.0	-2.7	White
4	4.262M	36.6	+0.1	+6.2	+0.2	+0.2	+0.0	43.3	46.0	-2.7	White
5	551.417k	36.7	+0.2	+6.1	+0.1	+0.1	+0.0	43.2	46.0	-2.8	White

6	4.475M	36.4	+0.1	+6.2	+0.2	+0.2	+0.0	43.1	46.0	-2.9	White
7	865.570k	36.7	+0.1	+6.1	+0.0	+0.1	+0.0	43.0	46.0	-3.0	White
8	1.902M	36.6	+0.1	+6.1	+0.1	+0.1	+0.0	43.0	46.0	-3.0	White
9	3.773M	36.3	+0.1	+6.2	+0.2	+0.2	+0.0	43.0	46.0	-3.0	White
10	4.811M	36.3	+0.1	+6.2	+0.2	+0.2	+0.0	43.0	46.0	-3.0	White
11	820.483k	36.4	+0.1	+6.1	+0.1	+0.1	+0.0	42.8	46.0	-3.2	White
12	507.784k	36.2	+0.2	+6.2	+0.1	+0.1	+0.0	42.8	46.0	-3.2	White
13	4.067M	36.1	+0.1	+6.2	+0.2	+0.2	+0.0	42.8	46.0	-3.2	White
14	4.101M	35.9	+0.1	+6.2	+0.2	+0.2	+0.0	42.6	46.0	-3.4	White
15	4.866M	35.8	+0.1	+6.2	+0.2	+0.2	+0.0	42.5	46.0	-3.5	White
16	3.756M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	46.0	-3.6	White
17	1.456M	36.1	+0.1	+6.1	+0.0	+0.1	+0.0	42.4	46.0	-3.6	White
18	4.288M	35.6	+0.1	+6.2	+0.2	+0.2	+0.0	42.3	46.0	-3.7	White
19	548.508k	35.7	+0.2	+6.1	+0.1	+0.1	+0.0	42.2	46.0	-3.8	White
20	1.877M	35.8	+0.1	+6.1	+0.1	+0.1	+0.0	42.2	46.0	-3.8	White
21	4.913M	35.5	+0.1	+6.2	+0.2	+0.2	+0.0	42.2	46.0	-3.8	White
22	423.428k	36.9	+0.2	+6.2	+0.1	+0.1	+0.0	43.5	47.4	-3.9	White
23	1.039M	35.7	+0.1	+6.1	+0.0	+0.1	+0.0	42.0	46.0	-4.0	White
24	3.939M	35.3	+0.1	+6.2	+0.2	+0.2	+0.0	42.0	46.0	-4.0	White
25	4.211M	35.2	+0.1	+6.2	+0.2	+0.2	+0.0	41.9	46.0	-4.1	White
26	4.679M	35.2	+0.1	+6.2	+0.2	+0.2	+0.0	41.9	46.0	-4.1	White
27	421.247k	36.7	+0.2	+6.2	+0.1	+0.1	+0.0	43.3	47.4	-4.1	White
28	4.237M	35.1	+0.1	+6.2	+0.2	+0.2	+0.0	41.8	46.0	-4.2	White
29	4.637M	35.1	+0.1	+6.2	+0.2	+0.2	+0.0	41.8	46.0	-4.2	White
30	818.301k	35.3	+0.1	+6.1	+0.1	+0.1	+0.0	41.7	46.0	-4.3	White

31	4.573M	35.0	+0.1	+6.2	+0.2	+0.2	+0.0	41.7	46.0	-4.3	White
32	4.309M	34.9	+0.1	+6.2	+0.2	+0.2	+0.0	41.6	46.0	-4.4	White
33	4.373M	34.9	+0.1	+6.2	+0.2	+0.2	+0.0	41.6	46.0	-4.4	White
34	4.696M	34.9	+0.1	+6.2	+0.2	+0.2	+0.0	41.6	46.0	-4.4	White
35	3.973M	34.8	+0.1	+6.2	+0.2	+0.2	+0.0	41.5	46.0	-4.5	White
36	4.973M	34.8	+0.1	+6.2	+0.2	+0.2	+0.0	41.5	46.0	-4.5	White
37	1.498M	35.0	+0.1	+6.1	+0.1	+0.1	+0.0	41.4	46.0	-4.6	White
38	1.817M	35.0	+0.1	+6.1	+0.1	+0.1	+0.0	41.4	46.0	-4.6	White
39	4.501M	34.7	+0.1	+6.2	+0.2	+0.2	+0.0	41.4	46.0	-4.6	White
40	1.957M	34.9	+0.1	+6.1	+0.1	+0.1	+0.0	41.3	46.0	-4.7	White
41	630.682k	34.8	+0.2	+6.1	+0.1	+0.1	+0.0	41.3	46.0	-4.7	White
42	853.934k	35.0	+0.1	+6.1	+0.0	+0.1	+0.0	41.3	46.0	-4.7	White
43	3.701M	34.6	+0.1	+6.2	+0.2	+0.2	+0.0	41.3	46.0	-4.7	White
44	776.123k	34.8	+0.1	+6.1	+0.1	+0.1	+0.0	41.2	46.0	-4.8	White
45	1.417M	34.9	+0.1	+6.1	+0.0	+0.1	+0.0	41.2	46.0	-4.8	White
46	3.854M	34.4	+0.1	+6.2	+0.2	+0.2	+0.0	41.1	46.0	-4.9	White
47 Ave	278.600k	27.6	+0.2	+6.1	+0.1	+0.1	+0.0	34.1	50.9	-16.8	White
^	282.351k	43.3	+0.2	+6.1	+0.1	+0.1	+0.0	49.8	50.7	-0.9	White
49 Ave	2.493M	21.7	+0.1	+6.2	+0.1	+0.2	+0.0	28.3	46.0	-17.7	White
^	2.493M	42.9	+0.1	+6.2	+0.1	+0.2	+0.0	49.5	46.0	+3.5	White
51 Ave	2.595M	21.4	+0.1	+6.2	+0.1	+0.2	+0.0	28.0	46.0	-18.0	White
^	2.595M	42.2	+0.1	+6.2	+0.1	+0.2	+0.0	48.8	46.0	+2.8	White
53 Ave	481.350k	21.0	+0.2	+6.2	+0.1	+0.1	+0.0	27.6	46.3	-18.7	White
^	478.696k	39.4	+0.2	+6.2	+0.1	+0.1	+0.0	46.0	46.4	-0.4	White

55	2.391M Ave	20.6	+0.1	+6.2	+0.1	+0.2	+0.0	27.2	46.0	-18.8	White
^	2.391M	40.1	+0.1	+6.2	+0.1	+0.2	+0.0	46.7	46.0	+0.7	White
57	2.469M Ave	20.5	+0.1	+6.2	+0.1	+0.2	+0.0	27.1	46.0	-18.9	White
58	2.606M Ave	20.5	+0.1	+6.2	+0.1	+0.2	+0.0	27.1	46.0	-18.9	White
59	2.880M Ave	19.4	+0.1	+6.2	+0.1	+0.2	+0.0	26.0	46.0	-20.0	White
^	2.880M	43.3	+0.1	+6.2	+0.1	+0.2	+0.0	49.9	46.0	+3.9	White
61	2.310M Ave	19.1	+0.1	+6.2	+0.1	+0.2	+0.0	25.7	46.0	-20.3	White
^	2.310M	38.7	+0.1	+6.2	+0.1	+0.2	+0.0	45.3	46.0	-0.7	White
63	349.879k Ave	21.6	+0.2	+6.2	+0.1	+0.1	+0.0	28.2	49.0	-20.8	White
^	347.072k	42.4	+0.2	+6.2	+0.1	+0.1	+0.0	49.0	49.0	+0.0	White
65	3.374M Ave	17.5	+0.1	+6.2	+0.2	+0.2	+0.0	24.2	46.0	-21.8	White
^	3.374M	37.0	+0.1	+6.2	+0.2	+0.2	+0.0	43.7	46.0	-2.3	White
67	556.507k Ave	17.6	+0.2	+6.1	+0.1	+0.1	+0.0	24.1	46.0	-21.9	White
^	556.507k	40.4	+0.2	+6.1	+0.1	+0.1	+0.0	46.9	46.0	+0.9	White
69	3.029M Ave	17.4	+0.1	+6.2	+0.1	+0.2	+0.0	24.0	46.0	-22.0	White
^	3.029M	38.1	+0.1	+6.2	+0.1	+0.2	+0.0	44.7	46.0	-1.3	White
71	491.059k Ave	17.2	+0.2	+6.2	+0.1	+0.1	+0.0	23.8	46.1	-22.3	White
^	491.059k	42.7	+0.2	+6.2	+0.1	+0.1	+0.0	49.3	46.1	+3.2	White
73	3.399M Ave	17.0	+0.1	+6.2	+0.2	+0.2	+0.0	23.7	46.0	-22.3	White
74	3.399M Ave	16.8	+0.1	+6.2	+0.2	+0.2	+0.0	23.5	46.0	-22.5	White
^	3.399M	38.2	+0.1	+6.2	+0.2	+0.2	+0.0	44.9	46.0	-1.1	White
76	3.097M Ave	16.0	+0.1	+6.2	+0.1	+0.2	+0.0	22.6	46.0	-23.4	White
^	3.097M	40.1	+0.1	+6.2	+0.1	+0.2	+0.0	46.7	46.0	+0.7	White
78	353.298k Ave	17.6	+0.2	+6.2	+0.1	+0.1	+0.0	24.2	48.9	-24.7	White
^	355.798k	43.3	+0.2	+6.2	+0.1	+0.1	+0.0	49.9	48.8	+1.1	White

80	983.523k Ave	10.7	+0.1	+6.1	+0.0	+0.1	+0.0	17.0	46.0	-29.0	White
^	983.523k	39.2	+0.1	+6.1	+0.0	+0.1	+0.0	45.5	46.0	-0.5	White
82	1.473M Ave	9.1	+0.1	+6.1	+0.0	+0.1	+0.0	15.4	46.0	-30.6	White
^	1.481M	37.6	+0.1	+6.1	+0.0	+0.1	+0.0	43.9	46.0	-2.1	White
^	1.464M	37.5	+0.1	+6.1	+0.0	+0.1	+0.0	43.8	46.0	-2.2	White
^	1.473M	36.9	+0.1	+6.1	+0.0	+0.1	+0.0	43.2	46.0	-2.8	White
86	369.615k Ave	6.0	+0.2	+6.2	+0.1	+0.1	+0.0	12.6	48.5	-35.9	White
^	369.615k	43.3	+0.2	+6.2	+0.1	+0.1	+0.0	49.9	48.5	+1.4	White



Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.107 Class B COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	06:02:53
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	54
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11g mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM

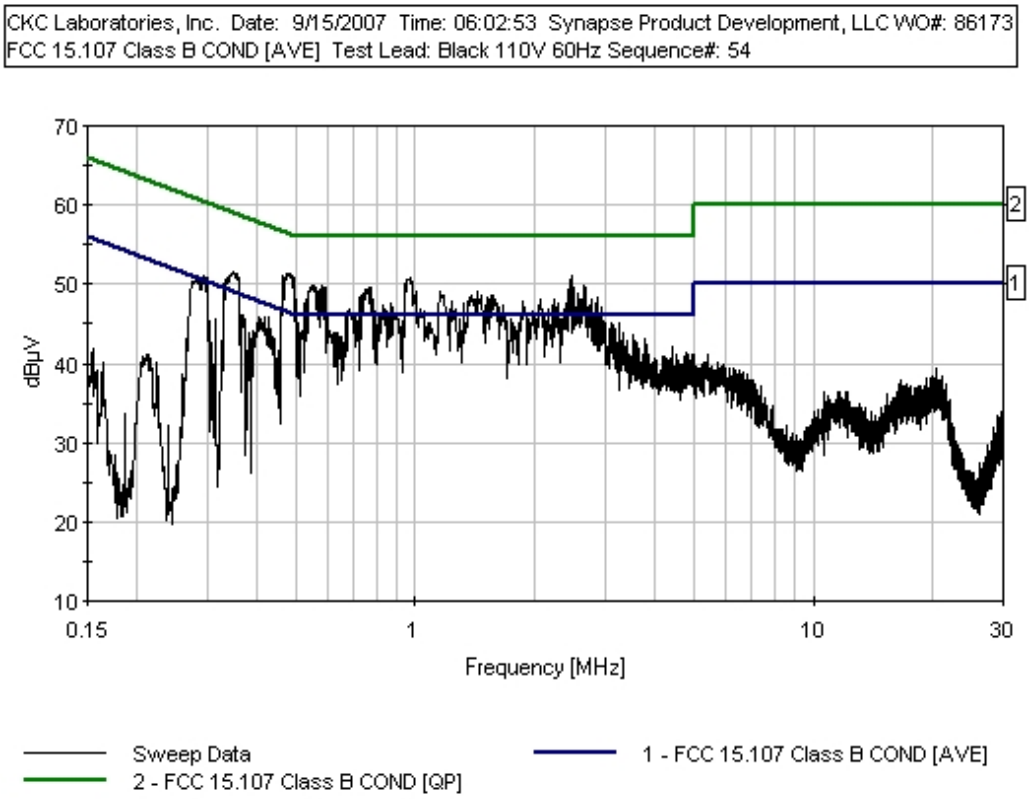
Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	4.445M	35.3	+0.1	+6.2	+0.2	+0.2	+0.0	42.0	46.0	-4.0	Black
2	445.245k	36.3	+0.2	+6.2	+0.1	+0.0	+0.0	42.8	47.0	-4.2	Black
3	383.432k	37.4	+0.2	+6.2	+0.1	+0.0	+0.0	43.9	48.2	-4.3	Black
4	313.620k	38.9	+0.2	+6.2	+0.1	+0.1	+0.0	45.5	49.9	-4.4	Black

5 Ave	484.207k	34.9	+0.2	+6.2	+0.1	+0.1	+0.0	41.5	46.3	-4.8	Black
^	479.423k	44.8	+0.2	+6.2	+0.1	+0.1	+0.0	51.4	46.3	+5.1	Black
7 Ave	344.823k	37.7	+0.2	+6.2	+0.1	+0.1	+0.0	44.3	49.1	-4.8	Black
8 Ave	476.321k	35.0	+0.2	+6.2	+0.1	+0.1	+0.0	41.6	46.4	-4.8	Black
9 Ave	482.351k	34.8	+0.2	+6.2	+0.1	+0.1	+0.0	41.4	46.3	-4.9	Black
10 Ave	343.209k	36.8	+0.2	+6.2	+0.1	+0.1	+0.0	43.4	49.1	-5.7	Black
11 Ave	485.799k	33.8	+0.2	+6.2	+0.1	+0.1	+0.0	40.4	46.2	-5.8	Black
12 Ave	347.395k	36.5	+0.2	+6.2	+0.1	+0.0	+0.0	43.0	49.0	-6.0	Black
13 Ave	346.495k	36.3	+0.2	+6.2	+0.1	+0.0	+0.0	42.8	49.0	-6.2	Black
14 Ave	346.495k	36.1	+0.2	+6.2	+0.1	+0.0	+0.0	42.6	49.0	-6.4	Black
15 Ave	346.495k	36.0	+0.2	+6.2	+0.1	+0.0	+0.0	42.5	49.0	-6.5	Black
^	343.209k	45.2	+0.2	+6.2	+0.1	+0.1	+0.0	51.8	49.1	+2.7	Black
^	348.526k	45.0	+0.2	+6.2	+0.1	+0.0	+0.0	51.5	49.0	+2.5	Black
18 Ave	760.852k	32.0	+0.1	+6.1	+0.1	+0.1	+0.0	38.4	46.0	-7.6	Black
^	760.852k	43.1	+0.1	+6.1	+0.1	+0.1	+0.0	49.5	46.0	+3.5	Black
20 Ave	276.476k	36.7	+0.2	+6.1	+0.1	+0.1	+0.0	43.2	50.9	-7.7	Black
21 Ave	347.395k	34.5	+0.2	+6.2	+0.1	+0.0	+0.0	41.0	49.0	-8.0	Black
22 Ave	970.765k	31.0	+0.1	+6.1	+0.0	+0.1	+0.0	37.3	46.0	-8.7	Black
^	970.765k	44.6	+0.1	+6.1	+0.0	+0.1	+0.0	50.9	46.0	+4.9	Black
24 Ave	746.910k	30.1	+0.1	+6.1	+0.1	+0.1	+0.0	36.5	46.0	-9.5	Black
25 Ave	2.468M	28.3	+0.1	+6.2	+0.1	+0.2	+0.0	34.9	46.0	-11.1	Black
^	2.468M	44.5	+0.1	+6.2	+0.1	+0.2	+0.0	51.1	46.0	+5.1	Black
27 Ave	2.051M	28.4	+0.1	+6.1	+0.1	+0.1	+0.0	34.8	46.0	-11.2	Black
^	2.051M	41.7	+0.1	+6.1	+0.1	+0.1	+0.0	48.1	46.0	+2.1	Black

29	1.651M Ave	28.2	+0.1	+6.1	+0.1	+0.1	+0.0	34.6	46.0	-11.4	Black
^	1.651M	40.9	+0.1	+6.1	+0.1	+0.1	+0.0	47.3	46.0	+1.3	Black
31	1.430M Ave	27.1	+0.1	+6.1	+0.0	+0.1	+0.0	33.4	46.0	-12.6	Black
^	1.430M	42.7	+0.1	+6.1	+0.0	+0.1	+0.0	49.0	46.0	+3.0	Black
33	2.238M Ave	26.7	+0.1	+6.2	+0.1	+0.2	+0.0	33.3	46.0	-12.7	Black
^	2.238M	41.5	+0.1	+6.2	+0.1	+0.2	+0.0	48.1	46.0	+2.1	Black
35	2.693M Ave	26.7	+0.1	+6.2	+0.1	+0.2	+0.0	33.3	46.0	-12.7	Black
^	2.693M	43.1	+0.1	+6.2	+0.1	+0.2	+0.0	49.7	46.0	+3.7	Black
37	1.766M Ave	26.5	+0.1	+6.1	+0.1	+0.1	+0.0	32.9	46.0	-13.1	Black
^	1.766M	38.7	+0.1	+6.1	+0.1	+0.1	+0.0	45.1	46.0	-0.9	Black
39	2.863M Ave	23.9	+0.1	+6.2	+0.1	+0.2	+0.0	30.5	46.0	-15.5	Black
^	2.863M	41.8	+0.1	+6.2	+0.1	+0.2	+0.0	48.4	46.0	+2.4	Black
41	1.745M Ave	23.3	+0.1	+6.1	+0.1	+0.1	+0.0	29.7	46.0	-16.3	Black
^	1.745M	39.2	+0.1	+6.1	+0.1	+0.1	+0.0	45.6	46.0	-0.4	Black
43	869.933k Ave	20.8	+0.1	+6.1	+0.0	+0.1	+0.0	27.1	46.0	-18.9	Black
^	869.933k	41.3	+0.1	+6.1	+0.0	+0.1	+0.0	47.6	46.0	+1.6	Black
45	462.698k Ave	19.8	+0.2	+6.2	+0.1	+0.1	+0.0	26.4	46.6	-20.2	Black
^	462.698k	44.0	+0.2	+6.2	+0.1	+0.1	+0.0	50.6	46.6	+4.0	Black
47	328.892k Ave	21.2	+0.2	+6.2	+0.1	+0.1	+0.0	27.8	49.5	-21.7	Black
^	328.892k	42.1	+0.2	+6.2	+0.1	+0.1	+0.0	48.7	49.5	-0.8	Black
49	503.421k Ave	16.8	+0.2	+6.2	+0.1	+0.1	+0.0	23.4	46.0	-22.6	Black
^	503.421k	41.4	+0.2	+6.2	+0.1	+0.1	+0.0	48.0	46.0	+2.0	Black
^	507.784k	37.1	+0.2	+6.2	+0.1	+0.1	+0.0	43.7	46.0	-2.3	Black
52	576.869k Ave	15.1	+0.2	+6.1	+0.1	+0.1	+0.0	21.6	46.0	-24.4	Black
^	576.869k	42.8	+0.2	+6.1	+0.1	+0.1	+0.0	49.3	46.0	+3.3	Black

54	722.310k Ave	14.3	+0.1	+6.1	+0.1	+0.1	+0.0	20.7	46.0	-25.3	Black
^	722.310k	40.8	+0.1	+6.1	+0.1	+0.1	+0.0	47.2	46.0	+1.2	Black
56	595.049k Ave	12.4	+0.2	+6.1	+0.1	+0.1	+0.0	18.9	46.0	-27.1	Black
^	595.049k	43.0	+0.2	+6.1	+0.1	+0.1	+0.0	49.5	46.0	+3.5	Black
58	364.001k Ave	14.5	+0.2	+6.2	+0.1	+0.0	+0.0	21.0	48.6	-27.6	Black
^	363.070k	39.6	+0.2	+6.2	+0.1	+0.0	+0.0	46.1	48.7	-2.6	Black
60	301.258k Ave	10.5	+0.2	+6.2	+0.1	+0.1	+0.0	17.1	50.2	-33.1	Black
^	301.258k	44.2	+0.2	+6.2	+0.1	+0.1	+0.0	50.8	50.2	+0.6	Black



Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.107 Class B COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	05:43:46
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	53
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11g mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L2) Insertion Loss 00847 EMCO 3816/2NM

Measurement Data: Reading listed by margin. Test Lead: White

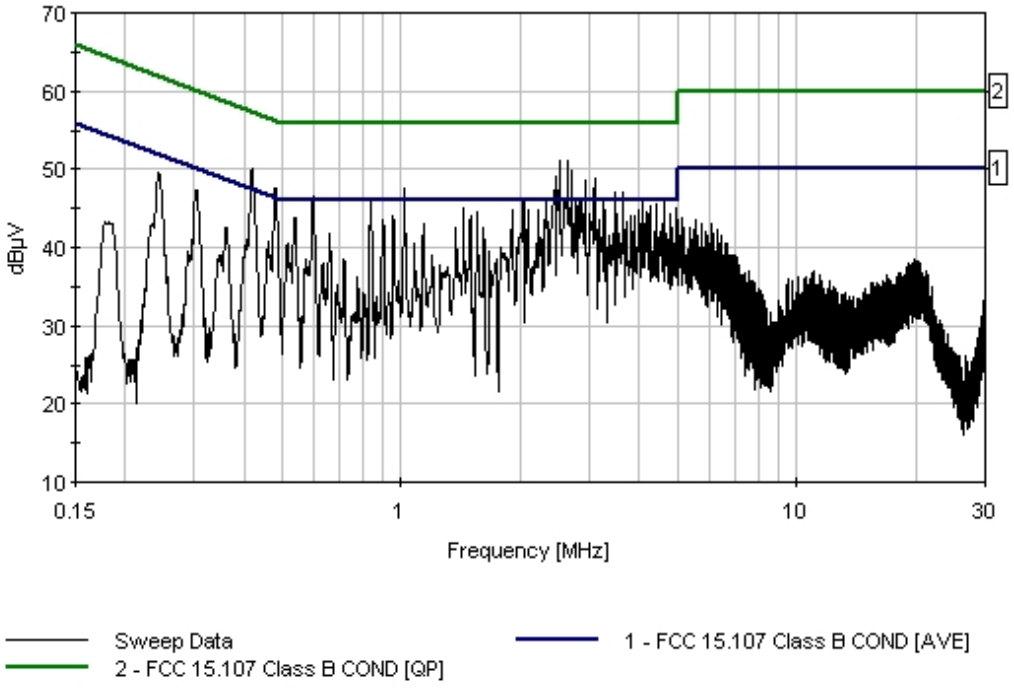
#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	3.165M	36.9	+0.1	+6.2	+0.1	+0.2	+0.0	43.5	46.0	-2.5	White
2	3.710M	36.7	+0.1	+6.2	+0.2	+0.2	+0.0	43.4	46.0	-2.6	White
3	304.895k	40.8	+0.2	+6.2	+0.1	+0.1	+0.0	47.4	50.1	-2.7	White
4	4.109M	36.3	+0.1	+6.2	+0.2	+0.2	+0.0	43.0	46.0	-3.0	White
5	1.137M	36.6	+0.1	+6.1	+0.0	+0.1	+0.0	42.9	46.0	-3.1	White

6	1.379M	36.3	+0.1	+6.1	+0.0	+0.1	+0.0	42.6	46.0	-3.4	White
7	1.617M	36.2	+0.1	+6.1	+0.1	+0.1	+0.0	42.6	46.0	-3.4	White
8	4.849M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	46.0	-3.6	White
9	4.552M	35.4	+0.1	+6.2	+0.2	+0.2	+0.0	42.1	46.0	-3.9	White
10	4.364M	35.2	+0.1	+6.2	+0.2	+0.2	+0.0	41.9	46.0	-4.1	White
11	659.044k	35.3	+0.2	+6.1	+0.1	+0.1	+0.0	41.8	46.0	-4.2	White
12	4.666M	35.1	+0.1	+6.2	+0.2	+0.2	+0.0	41.8	46.0	-4.2	White
13	2.259M	34.7	+0.1	+6.2	+0.1	+0.2	+0.0	41.3	46.0	-4.7	White
14	1.081M	34.3	+0.1	+6.1	+0.0	+0.1	+0.0	40.6	46.0	-5.4	White
15	4.909M	33.9	+0.1	+6.2	+0.2	+0.2	+0.0	40.6	46.0	-5.4	White
16	515.057k	33.9	+0.2	+6.2	+0.1	+0.1	+0.0	40.5	46.0	-5.5	White
17	4.883M	33.6	+0.1	+6.2	+0.2	+0.2	+0.0	40.3	46.0	-5.7	White
18	360.890k	36.0	+0.2	+6.2	+0.1	+0.1	+0.0	42.6	48.7	-6.1	White
19	1.783M	33.5	+0.1	+6.1	+0.1	+0.1	+0.0	39.9	46.0	-6.1	White
20	5.148M	37.2	+0.1	+6.2	+0.2	+0.2	+0.0	43.9	50.0	-6.1	White
21	5.024M	36.8	+0.1	+6.2	+0.2	+0.2	+0.0	43.5	50.0	-6.5	White
22	5.562M	36.8	+0.1	+6.2	+0.2	+0.2	+0.0	43.5	50.0	-6.5	White
23	1.677M	33.0	+0.1	+6.1	+0.1	+0.1	+0.0	39.4	46.0	-6.6	White
24	5.743M	36.4	+0.1	+6.2	+0.2	+0.2	+0.0	43.1	50.0	-6.9	White
25	6.094M	36.2	+0.1	+6.2	+0.2	+0.3	+0.0	43.0	50.0	-7.0	White
26	1.200M	32.6	+0.1	+6.1	+0.0	+0.1	+0.0	38.9	46.0	-7.1	White
27	5.202M	35.9	+0.1	+6.2	+0.2	+0.2	+0.0	42.6	50.0	-7.4	White
28	1.736M	32.1	+0.1	+6.1	+0.1	+0.1	+0.0	38.5	46.0	-7.5	White
29	715.766k	32.0	+0.1	+6.1	+0.1	+0.1	+0.0	38.4	46.0	-7.6	White
30	5.382M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	50.0	-7.6	White

31	5.508M	35.6	+0.1	+6.2	+0.2	+0.2	+0.0	42.3	50.0	-7.7	White
32	6.274M	35.5	+0.1	+6.2	+0.2	+0.3	+0.0	42.3	50.0	-7.7	White
33	2.634M Ave	20.7	+0.1	+6.2	+0.1	+0.2	+0.0	27.3	46.0	-18.7	White
^	2.634M	44.4	+0.1	+6.2	+0.1	+0.2	+0.0	51.0	46.0	+5.0	White
35	477.324k Ave	21.0	+0.2	+6.2	+0.1	+0.1	+0.0	27.6	46.4	-18.8	White
^	480.152k	41.0	+0.2	+6.2	+0.1	+0.1	+0.0	47.6	46.3	+1.3	White
^	477.324k	37.5	+0.2	+6.2	+0.1	+0.1	+0.0	44.1	46.4	-2.3	White
38	271.045k Ave	25.7	+0.2	+6.1	+0.1	+0.1	+0.0	32.2	51.1	-18.9	White
^	271.045k	42.3	+0.2	+6.1	+0.1	+0.1	+0.0	48.8	51.1	-2.3	White
40	2.510M Ave	20.5	+0.1	+6.2	+0.1	+0.2	+0.0	27.1	46.0	-18.9	White
^	2.510M	44.4	+0.1	+6.2	+0.1	+0.2	+0.0	51.0	46.0	+5.0	White
42	477.324k Ave	20.7	+0.2	+6.2	+0.1	+0.1	+0.0	27.3	46.4	-19.1	White
43	480.152k Ave	20.3	+0.2	+6.2	+0.1	+0.1	+0.0	26.9	46.3	-19.4	White
44	2.812M Ave	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	White
^	2.812M	39.3	+0.1	+6.2	+0.1	+0.2	+0.0	45.9	46.0	-0.1	White
46	2.931M Ave	17.8	+0.1	+6.2	+0.1	+0.2	+0.0	24.4	46.0	-21.6	White
^	2.931M	42.0	+0.1	+6.2	+0.1	+0.2	+0.0	48.6	46.0	+2.6	White
48	2.872M Ave	17.7	+0.1	+6.2	+0.1	+0.2	+0.0	24.3	46.0	-21.7	White
^	2.872M	39.1	+0.1	+6.2	+0.1	+0.2	+0.0	45.7	46.0	-0.3	White
50	3.467M Ave	17.6	+0.1	+6.2	+0.2	+0.2	+0.0	24.3	46.0	-21.7	White
^	3.467M	40.3	+0.1	+6.2	+0.2	+0.2	+0.0	47.0	46.0	+1.0	White
52	3.233M Ave	17.0	+0.1	+6.2	+0.1	+0.2	+0.0	23.6	46.0	-22.4	White
^	3.233M	39.6	+0.1	+6.2	+0.1	+0.2	+0.0	46.2	46.0	+0.2	White
54	4.067M Ave	16.4	+0.1	+6.2	+0.2	+0.2	+0.0	23.1	46.0	-22.9	White
^	4.067M	39.4	+0.1	+6.2	+0.2	+0.2	+0.0	46.1	46.0	+0.1	White

56	4.250M Ave	16.3	+0.1	+6.2	+0.2	+0.2	+0.0	23.0	46.0	-23.0	White
^	4.250M	38.7	+0.1	+6.2	+0.2	+0.2	+0.0	45.4	46.0	-0.6	White
58	3.650M Ave	16.3	+0.1	+6.2	+0.2	+0.2	+0.0	23.0	46.0	-23.0	White
^	3.650M	40.4	+0.1	+6.2	+0.2	+0.2	+0.0	47.1	46.0	+1.1	White
60	3.110M Ave	15.8	+0.1	+6.2	+0.1	+0.2	+0.0	22.4	46.0	-23.6	White
^	3.110M	42.1	+0.1	+6.2	+0.1	+0.2	+0.0	48.7	46.0	+2.7	White
62	557.058k Ave	15.7	+0.2	+6.1	+0.1	+0.1	+0.0	22.2	46.0	-23.8	White
63	953.754k Ave	15.0	+0.1	+6.1	+0.0	+0.1	+0.0	21.3	46.0	-24.7	White
^	953.754k	37.8	+0.1	+6.1	+0.0	+0.1	+0.0	44.1	46.0	-1.9	White
65	2.038M Ave	14.8	+0.1	+6.1	+0.1	+0.1	+0.0	21.2	46.0	-24.8	White
^	2.038M	39.5	+0.1	+6.1	+0.1	+0.1	+0.0	45.9	46.0	-0.1	White
67	619.111k Ave	12.2	+0.2	+6.1	+0.1	+0.1	+0.0	18.7	46.0	-27.3	White
68	1.018M Ave	12.2	+0.1	+6.1	+0.0	+0.1	+0.0	18.5	46.0	-27.5	White
^	1.018M	41.2	+0.1	+6.1	+0.0	+0.1	+0.0	47.5	46.0	+1.5	White
70	420.521k Ave	12.7	+0.2	+6.2	+0.1	+0.1	+0.0	19.3	47.4	-28.1	White
^	420.521k	43.6	+0.2	+6.2	+0.1	+0.1	+0.0	50.2	47.4	+2.8	White
72	561.457k Ave	11.2	+0.2	+6.1	+0.1	+0.1	+0.0	17.7	46.0	-28.3	White
73	837.210k Ave	10.4	+0.1	+6.1	+0.0	+0.1	+0.0	16.7	46.0	-29.3	White
^	837.210k	39.7	+0.1	+6.1	+0.0	+0.1	+0.0	46.0	46.0	+0.0	White
75	597.959k Ave	8.0	+0.2	+6.1	+0.1	+0.1	+0.0	14.5	46.0	-31.5	White
^	597.959k	40.1	+0.2	+6.1	+0.1	+0.1	+0.0	46.6	46.0	+0.6	White

CKC Laboratories, Inc. Date: 9/15/2007 Time: 05:43:46 Synapse Product Development, LLC WO#: 86173
FCC 15.107 Class B COND [AVE] Test Lead: White 110V 60Hz Sequence#: 53



Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.107 Class B COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	07:16:27
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	55
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receives. Hopping, transmit audio data in Bluetooth signal. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM

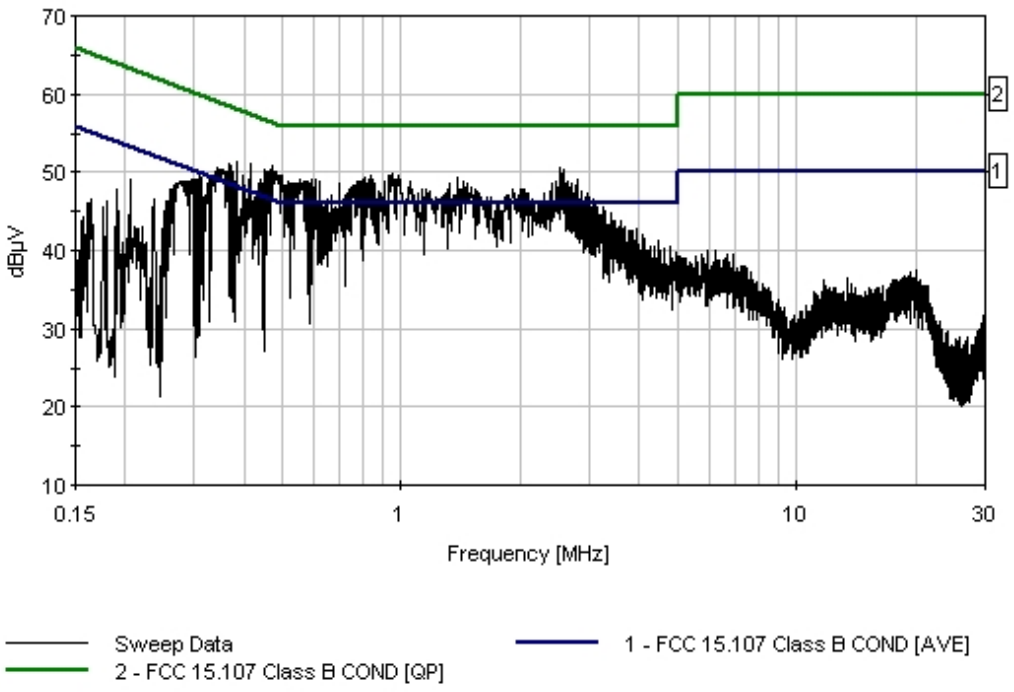
Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	388.331k Ave	31.9	+0.2	+6.2	+0.1	+0.0	+0.0	38.4	48.1	-9.7	Black
2	398.703k Ave	30.0	+0.2	+6.2	+0.1	+0.0	+0.0	36.5	47.9	-11.4	Black
^	398.704k	43.0	+0.2	+6.2	+0.1	+0.0	+0.0	49.5	47.9	+1.6	Black
4	444.926k Ave	28.7	+0.2	+6.2	+0.1	+0.0	+0.0	35.2	47.0	-11.8	Black
5	616.433k Ave	26.8	+0.2	+6.1	+0.1	+0.1	+0.0	33.3	46.0	-12.7	Black

6	742.672k	26.5	+0.1	+6.1	+0.1	+0.1	+0.0	32.9	46.0	-13.1	Black
	Ave										
^	742.672k	41.4	+0.1	+6.1	+0.1	+0.1	+0.0	47.8	46.0	+1.8	Black
8	622.683k	24.7	+0.2	+6.1	+0.1	+0.1	+0.0	31.2	46.0	-14.8	Black
	Ave										
^	622.683k	40.4	+0.2	+6.1	+0.1	+0.1	+0.0	46.9	46.0	+0.9	Black
10	388.331k	26.4	+0.2	+6.2	+0.1	+0.0	+0.0	32.9	48.1	-15.2	Black
	Ave										
^	388.331k	45.0	+0.2	+6.2	+0.1	+0.0	+0.0	51.5	48.1	+3.4	Black
^	384.159k	42.8	+0.2	+6.2	+0.1	+0.0	+0.0	49.3	48.2	+1.1	Black
13	384.159k	26.1	+0.2	+6.2	+0.1	+0.0	+0.0	32.6	48.2	-15.6	Black
	Ave										
14	2.765M	23.3	+0.1	+6.2	+0.1	+0.2	+0.0	29.9	46.0	-16.1	Black
	Ave										
^	2.765M	41.8	+0.1	+6.2	+0.1	+0.2	+0.0	48.4	46.0	+2.4	Black
16	2.778M	23.0	+0.1	+6.2	+0.1	+0.2	+0.0	29.6	46.0	-16.4	Black
	Ave										
^	2.778M	42.5	+0.1	+6.2	+0.1	+0.2	+0.0	49.1	46.0	+3.1	Black
18	2.591M	23.0	+0.1	+6.2	+0.1	+0.2	+0.0	29.6	46.0	-16.4	Black
	Ave										
^	2.591M	43.8	+0.1	+6.2	+0.1	+0.2	+0.0	50.4	46.0	+4.4	Black
20	439.427k	23.3	+0.2	+6.2	+0.1	+0.0	+0.0	29.8	47.1	-17.3	Black
	Ave										
^	439.427k	42.7	+0.2	+6.2	+0.1	+0.0	+0.0	49.2	47.1	+2.1	Black
^	437.973k	42.1	+0.2	+6.2	+0.1	+0.0	+0.0	48.6	47.1	+1.5	Black
23	1.468M	21.8	+0.1	+6.1	+0.0	+0.1	+0.0	28.1	46.0	-17.9	Black
	Ave										
^	1.468M	42.2	+0.1	+6.1	+0.0	+0.1	+0.0	48.5	46.0	+2.5	Black
25	1.103M	21.3	+0.1	+6.1	+0.0	+0.1	+0.0	27.6	46.0	-18.4	Black
	Ave										
^	1.103M	41.1	+0.1	+6.1	+0.0	+0.1	+0.0	47.4	46.0	+1.4	Black
27	552.144k	20.9	+0.2	+6.1	+0.1	+0.1	+0.0	27.4	46.0	-18.6	Black
	Ave										
^	552.144k	42.5	+0.2	+6.1	+0.1	+0.1	+0.0	49.0	46.0	+3.0	Black
29	3.063M	20.7	+0.1	+6.2	+0.1	+0.2	+0.0	27.3	46.0	-18.7	Black
	Ave										
^	3.063M	40.0	+0.1	+6.2	+0.1	+0.2	+0.0	46.6	46.0	+0.6	Black

31	1.919M Ave	20.0	+0.1	+6.1	+0.1	+0.1	+0.0	26.4	46.0	-19.6	Black
^	1.919M	41.4	+0.1	+6.1	+0.1	+0.1	+0.0	47.8	46.0	+1.8	Black
33	852.480k Ave	20.0	+0.1	+6.1	+0.0	+0.1	+0.0	26.3	46.0	-19.7	Black
^	852.480k	42.3	+0.1	+6.1	+0.0	+0.1	+0.0	48.6	46.0	+2.6	Black
35	797.212k Ave	19.5	+0.1	+6.1	+0.1	+0.1	+0.0	25.9	46.0	-20.1	Black
^	797.212k	42.7	+0.1	+6.1	+0.1	+0.1	+0.0	49.1	46.0	+3.1	Black
37	415.429k Ave	20.6	+0.2	+6.2	+0.1	+0.0	+0.0	27.1	47.5	-20.4	Black
^	415.429k	44.6	+0.2	+6.2	+0.1	+0.0	+0.0	51.1	47.5	+3.6	Black
39	591.413k Ave	18.7	+0.2	+6.1	+0.1	+0.1	+0.0	25.2	46.0	-20.8	Black
^	591.413k	42.5	+0.2	+6.1	+0.1	+0.1	+0.0	49.0	46.0	+3.0	Black
41	365.979k Ave	20.7	+0.2	+6.2	+0.1	+0.0	+0.0	27.2	48.6	-21.4	Black
^	365.979k	44.0	+0.2	+6.2	+0.1	+0.0	+0.0	50.5	48.6	+1.9	Black
43	605.957k Ave	16.8	+0.2	+6.1	+0.1	+0.1	+0.0	23.3	46.0	-22.7	Black
^	605.957k	42.6	+0.2	+6.1	+0.1	+0.1	+0.0	49.1	46.0	+3.1	Black
45	512.148k Ave	14.2	+0.2	+6.2	+0.1	+0.1	+0.0	20.8	46.0	-25.2	Black
^	512.148k	41.7	+0.2	+6.2	+0.1	+0.1	+0.0	48.3	46.0	+2.3	Black

CKC Laboratories, Inc. Date: 9/15/2007 Time: 07:16:27 Synapse Product Development, LLC WO#: 86173
FCC 15.107 Class B COND [AVE] Test Lead: Black 110V 60Hz Sequence#: 55



Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.107 Class B COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	07:36:37
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	56
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AQ	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receives. Hopping, transmit audio data in Bluetooth signal. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L2) Insertion Loss 00847 EMCO 3816/2NM

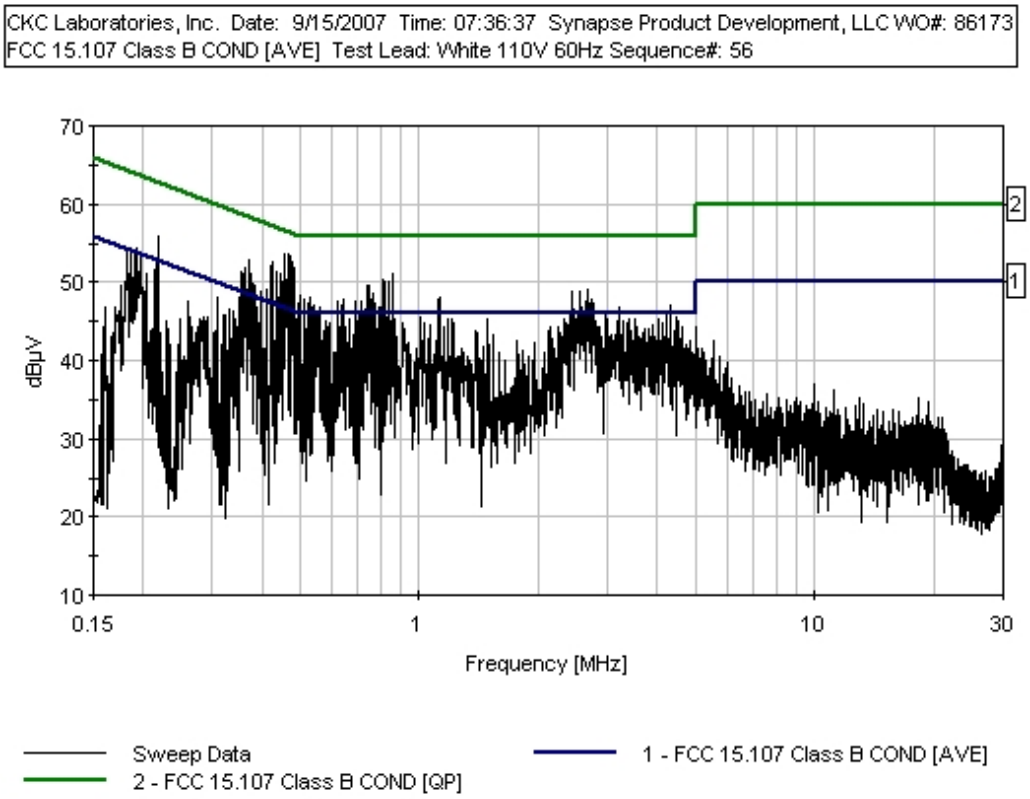
Measurement Data: Reading listed by margin. Test Lead: White

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1 Ave	159.859k	32.6	+0.6	+6.2	+0.1	+0.2	+0.0	39.7	55.5	-15.8	White
^	159.859k	48.0	+0.6	+6.2	+0.1	+0.2	+0.0	55.1	55.5	-0.4	White
3 Ave	2.621M	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	White
^	2.621M	39.7	+0.1	+6.2	+0.1	+0.2	+0.0	46.3	46.0	+0.3	White

5	2.472M Ave	18.9	+0.1	+6.2	+0.1	+0.2	+0.0	25.5	46.0	-20.5	White
^	2.472M	39.1	+0.1	+6.2	+0.1	+0.2	+0.0	45.7	46.0	-0.3	White
7	510.693k Ave	17.2	+0.2	+6.2	+0.1	+0.1	+0.0	23.8	46.0	-22.2	White
^	510.693k	41.1	+0.2	+6.2	+0.1	+0.1	+0.0	47.7	46.0	+1.7	White
9	2.668M Ave	17.1	+0.1	+6.2	+0.1	+0.2	+0.0	23.7	46.0	-22.3	White
^	2.668M	42.5	+0.1	+6.2	+0.1	+0.2	+0.0	49.1	46.0	+3.1	White
11	621.956k Ave	14.1	+0.2	+6.1	+0.1	+0.1	+0.0	20.6	46.0	-25.4	White
^	621.956k	41.0	+0.2	+6.1	+0.1	+0.1	+0.0	47.5	46.0	+1.5	White
13	472.151k Ave	14.4	+0.2	+6.2	+0.1	+0.1	+0.0	21.0	46.5	-25.5	White
^	472.151k	46.7	+0.2	+6.2	+0.1	+0.1	+0.0	53.3	46.5	+6.8	White
^	474.333k	39.6	+0.2	+6.2	+0.1	+0.1	+0.0	46.2	46.4	-0.2	White
16	1.115M Ave	13.9	+0.1	+6.1	+0.0	+0.1	+0.0	20.2	46.0	-25.8	White
^	1.115M	41.4	+0.1	+6.1	+0.0	+0.1	+0.0	47.7	46.0	+1.7	White
18	484.514k Ave	13.5	+0.2	+6.2	+0.1	+0.1	+0.0	20.1	46.3	-26.2	White
19	792.122k Ave	13.1	+0.1	+6.1	+0.1	+0.1	+0.0	19.5	46.0	-26.5	White
^	792.122k	40.4	+0.1	+6.1	+0.1	+0.1	+0.0	46.8	46.0	+0.8	White
21	745.581k Ave	12.5	+0.1	+6.1	+0.1	+0.1	+0.0	18.9	46.0	-27.1	White
^	745.581k	43.3	+0.1	+6.1	+0.1	+0.1	+0.0	49.7	46.0	+3.7	White
23	484.514k Ave	12.5	+0.2	+6.2	+0.1	+0.1	+0.0	19.1	46.3	-27.2	White
^	484.514k	45.3	+0.2	+6.2	+0.1	+0.1	+0.0	51.9	46.3	+5.6	White
25	2.748M Ave	11.8	+0.1	+6.2	+0.1	+0.2	+0.0	18.4	46.0	-27.6	White
^	2.748M	38.8	+0.1	+6.2	+0.1	+0.2	+0.0	45.4	46.0	-0.6	White
27	4.207M Ave	11.5	+0.1	+6.2	+0.2	+0.2	+0.0	18.2	46.0	-27.8	White
^	4.207M	39.1	+0.1	+6.2	+0.2	+0.2	+0.0	45.8	46.0	-0.2	White

29	4.330M Ave	11.0	+0.1	+6.2	+0.2	+0.2	+0.0	17.7	46.0	-28.3	White
^	4.330M	40.3	+0.1	+6.2	+0.2	+0.2	+0.0	47.0	46.0	+1.0	White
31	371.070k Ave	12.3	+0.2	+6.2	+0.1	+0.1	+0.0	18.9	48.5	-29.6	White
^	371.070k	46.2	+0.2	+6.2	+0.1	+0.1	+0.0	52.8	48.5	+4.3	White
^	371.070k	39.8	+0.2	+6.2	+0.1	+0.1	+0.0	46.4	48.5	-2.1	White
34	811.029k Ave	10.0	+0.1	+6.1	+0.1	+0.1	+0.0	16.4	46.0	-29.6	White
^	811.029k	43.9	+0.1	+6.1	+0.1	+0.1	+0.0	50.3	46.0	+4.3	White
36	686.677k Ave	9.6	+0.2	+6.1	+0.1	+0.1	+0.0	16.1	46.0	-29.9	White
^	686.677k	41.0	+0.2	+6.1	+0.1	+0.1	+0.0	47.5	46.0	+1.5	White
38	456.880k Ave	10.1	+0.2	+6.2	+0.1	+0.1	+0.0	16.7	46.7	-30.0	White
^	456.880k	46.9	+0.2	+6.2	+0.1	+0.1	+0.0	53.5	46.7	+6.8	White
40	821.210k Ave	8.6	+0.1	+6.1	+0.1	+0.1	+0.0	15.0	46.0	-31.0	White
^	821.210k	43.6	+0.1	+6.1	+0.1	+0.1	+0.0	50.0	46.0	+4.0	White
42	840.117k Ave	8.4	+0.1	+6.1	+0.0	+0.1	+0.0	14.7	46.0	-31.3	White
^	840.118k	43.8	+0.1	+6.1	+0.0	+0.1	+0.0	50.1	46.0	+4.1	White
44	544.145k Ave	7.6	+0.2	+6.1	+0.1	+0.1	+0.0	14.1	46.0	-31.9	White
^	544.145k	40.5	+0.2	+6.1	+0.1	+0.1	+0.0	47.0	46.0	+1.0	White
^	540.509k	39.1	+0.2	+6.1	+0.1	+0.1	+0.0	45.6	46.0	-0.4	White
47	424.156k Ave	8.7	+0.2	+6.2	+0.1	+0.1	+0.0	15.3	47.4	-32.1	White
^	424.156k	46.0	+0.2	+6.2	+0.1	+0.1	+0.0	52.6	47.4	+5.2	White
49	362.343k Ave	9.3	+0.2	+6.2	+0.1	+0.1	+0.0	15.9	48.7	-32.8	White
^	362.343k	45.3	+0.2	+6.2	+0.1	+0.1	+0.0	51.9	48.7	+3.2	White
51	4.475M Ave	5.1	+0.1	+6.2	+0.2	+0.2	+0.0	11.8	46.0	-34.2	White
^	4.475M	38.8	+0.1	+6.2	+0.2	+0.2	+0.0	45.5	46.0	-0.5	White
53	4.475M Ave	5.1	+0.1	+6.2	+0.2	+0.2	+0.0	11.8	46.0	-34.2	White

54 Ave	197.995k	7.6	+0.2	+6.1	+0.1	+0.2	+0.0	14.2	53.7	-39.5	White
^	197.995k	46.7	+0.2	+6.1	+0.1	+0.2	+0.0	53.3	53.7	-0.4	White
^	196.540k	46.6	+0.2	+6.1	+0.1	+0.2	+0.0	53.2	53.8	-0.6	White
57 Ave	192.904k	7.2	+0.2	+6.1	+0.1	+0.2	+0.0	13.8	53.9	-40.1	White
^	192.904k	47.7	+0.2	+6.1	+0.1	+0.2	+0.0	54.3	53.9	+0.4	White
59 Ave	186.359k	6.8	+0.2	+6.1	+0.1	+0.2	+0.0	13.4	54.2	-40.8	White
^	186.359k	47.3	+0.2	+6.1	+0.1	+0.2	+0.0	53.9	54.2	-0.3	White
^	181.996k	47.2	+0.3	+6.1	+0.1	+0.2	+0.0	53.9	54.4	-0.5	White



Test Location: CKC Laboratories •22116 23rd Dr SE • Bothell, WA 98021-4413 • 425-402-1717

Customer: **Synapse Product Development**
Specification: **FCC 15.107(a) Class B - AVE**
Work Order #: **87002** Date: 11/1/2007
Test Type: **Conducted Emissions** Time: 17:07:37
Equipment: **Wireless Music Player** Sequence#: 6
Manufacturer: Synapse Tested By: Ryan Rutledge
Model: MW101AM 120V 60Hz
S/N: EG001002Y00000000142

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Agilent E4440A	S/N: MY46186330	10/03/2007	10/03/2009	AN02872
Bothell 5m Cable Set	S/N: P05444	04/26/2007	04/26/2009	ANP05444
20' RG-214 Coax	S/N: 16	11/09/2006	11/09/2008	ANP05360
TTE High Pass Filter	S/N: G7752	07/17/2006	07/17/2008	AN02611
10dB BNC Attenuator	S/N: 7	05/01/2006	05/01/2008	ANP05506
EMCO 3816/2NM LISN	S/N: 9606-1049	06/01/2007	06/01/2009	AN01492

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Wireless Music Player*	Synapse	MW101AM	EG001002Y00000000142

Support Devices:

Function	Manufacturer	Model #	S/N
Laptop PC	Dell	PP11L	CN-0C4708-48643-5CC-1983
AC Adapter	Dell	HP-OQ065B83	CN-0N2765-47890-4B4-4350

Test Conditions / Notes:

USB transfer mode

Transducer Legend:

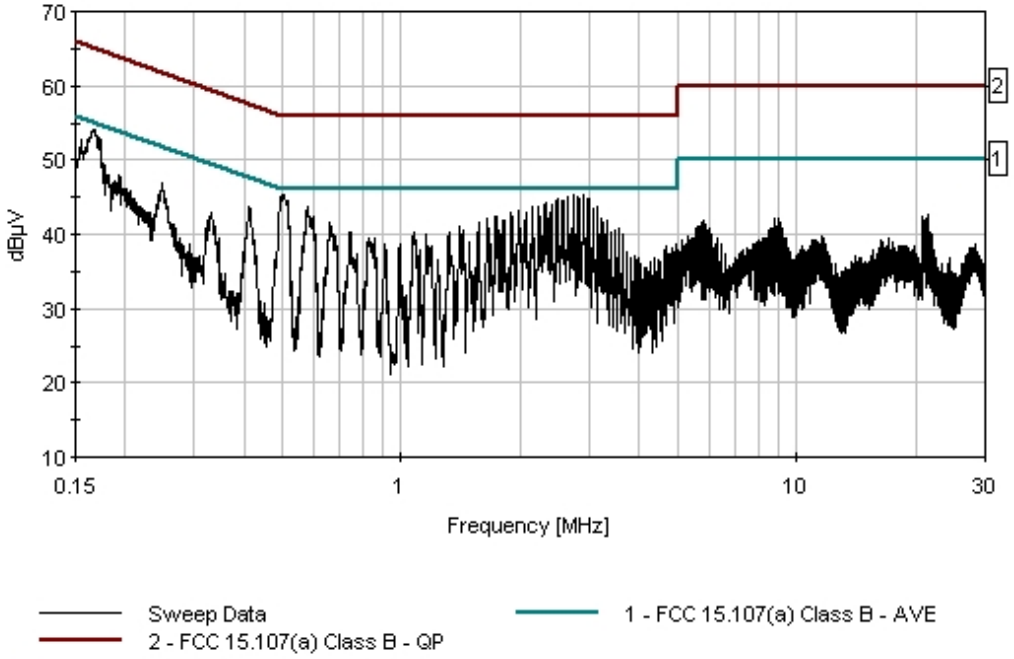
T1=ATT-ANP05506-050106
T2=CAB-ANP05444-042607 - CPC3 Cable Set
T3=CAB-ANP05360-110906
T4=CDN-AN01492-060107 - Neutral
T5=FIL-AN02611-071706

Measurement Data: Reading listed by margin. Test Lead: Neutral

#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV	dBµV	dB	Ant
1	2.891M	34.8	+10.0 +0.1	+0.2	+0.1	+0.2	+0.0	45.4	46.0	-0.6	Neutr
2	506.331k	34.6	+10.0 +0.3	+0.1	+0.1	+0.2	+0.0	45.3	46.0	-0.7	Neutr
3	2.727M	34.7	+10.0 +0.1	+0.2	+0.1	+0.2	+0.0	45.3	46.0	-0.7	Neutr
4	2.644M	34.4	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	45.1	46.0	-0.9	Neutr

5	2.808M	34.5	+10.0 +0.1	+0.2	+0.1	+0.2	+0.0	45.1	46.0	-0.9	Neutr
6	165.635k	43.2	+10.0 +0.6	+0.1	+0.0	+0.2	+0.0	54.1	55.2	-1.1	Neutr
7	2.478M	34.1	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	44.8	46.0	-1.2	Neutr
8	2.974M	34.2	+10.0 +0.1	+0.2	+0.1	+0.2	+0.0	44.8	46.0	-1.2	Neutr
9	2.559M	33.8	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	44.5	46.0	-1.5	Neutr
10	2.312M	33.5	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	44.2	46.0	-1.8	Neutr
11	2.395M	33.2	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	43.9	46.0	-2.1	Neutr
12	577.961k	33.2	+10.0 +0.2	+0.1	+0.1	+0.2	+0.0	43.8	46.0	-2.2	Neutr
13	2.147M	33.1	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	43.8	46.0	-2.2	Neutr
14	3.140M	33.1	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	43.8	46.0	-2.2	Neutr
15	2.227M	33.0	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	43.7	46.0	-2.3	Neutr
16	3.055M	32.9	+10.0 +0.1	+0.2	+0.1	+0.2	+0.0	43.5	46.0	-2.5	Neutr
17	1.981M	32.5	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	43.2	46.0	-2.8	Neutr
18	154.727k	40.5	+10.0 +2.0	+0.1	+0.0	+0.2	+0.0	52.8	55.7	-2.9	Neutr
19	1.898M	32.1	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	42.8	46.0	-3.2	Neutr
20	2.066M	32.1	+10.0 +0.2	+0.2	+0.1	+0.2	+0.0	42.8	46.0	-3.2	Neutr

CKC Laboratories Date: 11/1/2007 Time: 17:07:37 Synapse Product Development WO#: 87002
FCC 15.107(a) Class B - AVE Test Lead: Neutral 120V 60Hz Sequence#: 6 Polarity: Neutral
Notes: USB transfer mode



Test Location: CKC Laboratories •22116 23rd Dr SE • Bothell, WA 98021-4413 • 425-402-1717

Customer: **Synapse Product Development**
Specification: **FCC 15.107(a) Class B - AVE**
Work Order #: **87002** Date: 11/1/2007
Test Type: **Conducted Emissions** Time: 17:06:50
Equipment: **Wireless Music Player** Sequence#: 5
Manufacturer: Synapse Tested By: Ryan Rutledge
Model: MW101AM 120V 60Hz
S/N: EG001002Y00000000142

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Agilent E4440A	S/N: MY46186330	10/03/2007	10/03/2009	AN02872
Bothell 5m Cable Set	S/N: P05444	04/26/2007	04/26/2009	ANP05444
20' RG-214 Coax	S/N: 16	11/09/2006	11/09/2008	ANP05360
TTE High Pass Filter	S/N: G7752	07/17/2006	07/17/2008	AN02611
10dB BNC Attenuator	S/N: 7	05/01/2006	05/01/2008	ANP05506
EMCO 3816/2NM LISN	S/N: 9606-1049	06/01/2007	06/01/2009	AN01492

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Wireless Music Player*	Synapse	MW101AM	EG001002Y00000000142

Support Devices:

Function	Manufacturer	Model #	S/N
Laptop PC	Dell	PP11L	CN-0C4708-48643-5CC-1983
AC Adapter	Dell	HP-OQ065B83	CN-0N2765-47890-4B4-4350

Test Conditions / Notes:

USB transfer mode

Transducer Legend:

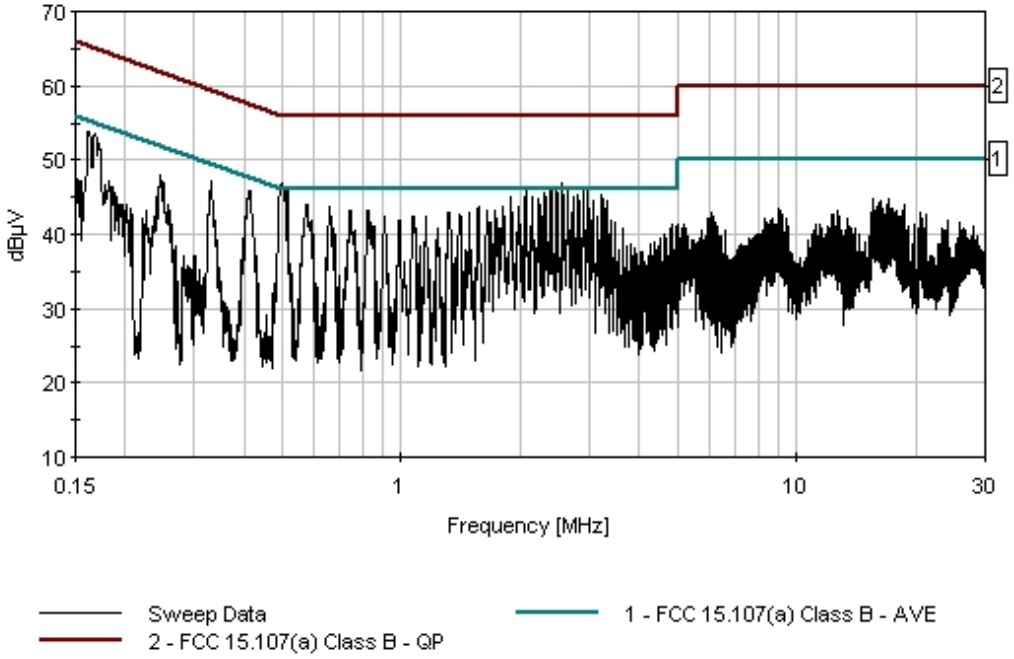
T1=ATT-ANP05506-050106
T2=CAB-ANP05444-042607 - CPC3 Cable Set
T3=CAB-ANP05360-110906
T4=CDN-AN01492-060107 - Line
T5=FIL-AN02611-071706

Measurement Data: Reading listed by margin. Test Lead: Line

#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV	dBµV	dB	Ant
1	2.638M	35.3	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	45.9	46.0	-0.1	Line
2	2.970M	35.4	+10.0 +0.1	+0.2	+0.1	+0.1	+0.0	45.9	46.0	-0.1	Line
3	2.064M	35.2	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	45.8	46.0	-0.2	Line
4	2.310M	35.1	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	45.7	46.0	-0.3	Line
5	2.804M	34.8	+10.0 +0.1	+0.2	+0.1	+0.1	+0.0	45.3	46.0	-0.7	Line

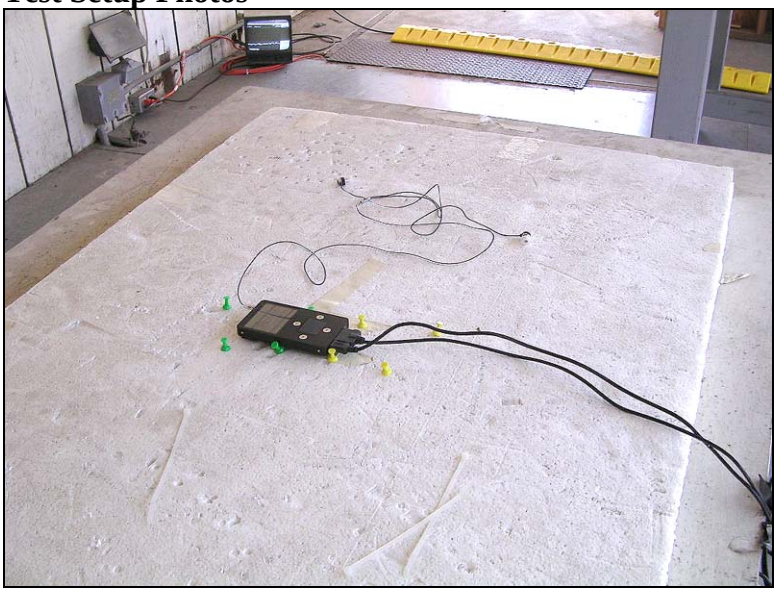
6	3.220M	34.7	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	45.3	46.0	-0.7	Line
7	1.898M	34.5	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	45.1	46.0	-0.9	Line
8	2.721M	34.6	+10.0 +0.1	+0.2	+0.1	+0.1	+0.0	45.1	46.0	-0.9	Line
9	2.147M	34.4	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	45.0	46.0	-1.0	Line
10	2.223M	34.1	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	44.7	46.0	-1.3	Line
11	3.055M	34.1	+10.0 +0.1	+0.2	+0.1	+0.1	+0.0	44.6	46.0	-1.4	Line
12	3.303M	34.0	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	44.6	46.0	-1.4	Line
13	168.180k	42.8	+10.0 +0.5	+0.1	+0.0	+0.1	+0.0	53.5	55.0	-1.5	Line
14	412.158k	35.5	+10.0 +0.1	+0.1	+0.1	+0.1	+0.0	45.9	47.6	-1.7	Line
15 Ave	495.550k	33.4	+10.0 +0.3	+0.1	+0.1	+0.1	+0.0	44.0	46.1	-2.1	Line
^	498.332k	36.3	+10.0 +0.3	+0.1	+0.1	+0.1	+0.0	46.9	46.0	+0.9	Line
17 Ave	2.557M	31.0	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	41.6	46.0	-4.4	Line
^	2.557M	36.2	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	46.8	46.0	+0.8	Line
19 Ave	2.473M	30.5	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	41.1	46.0	-4.9	Line
^	2.474M	35.7	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	46.3	46.0	+0.3	Line
21 Ave	2.890M	29.2	+10.0 +0.1	+0.2	+0.1	+0.1	+0.0	39.7	46.0	-6.3	Line
^	2.891M	35.5	+10.0 +0.1	+0.2	+0.1	+0.1	+0.0	46.0	46.0	+0.0	Line
23 Ave	2.395M	29.1	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	39.7	46.0	-6.3	Line
^	2.395M	35.9	+10.0 +0.2	+0.2	+0.1	+0.1	+0.0	46.5	46.0	+0.5	Line
25 Ave	512.570k	13.3	+10.0 +0.3	+0.1	+0.1	+0.1	+0.0	23.9	46.0	-22.1	Line
^	517.239k	35.4	+10.0 +0.3	+0.1	+0.1	+0.1	+0.0	46.0	46.0	+0.0	Line

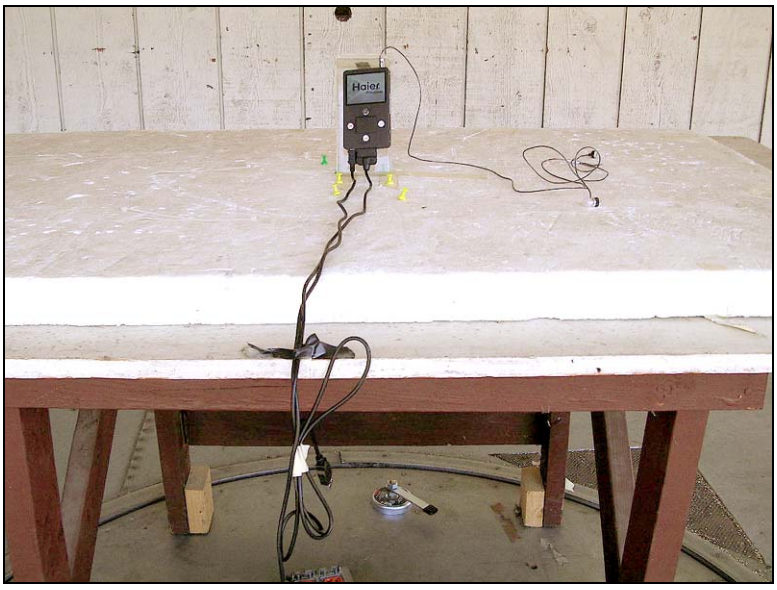
CKC Laboratories Date: 11/1/2007 Time: 17:06:50 Synapse Product Development WO#: 87002
FCC 15.107(a) Class B - AVE Test Lead: Line 120V 60Hz Sequence#: 5 Polarity: Line
Notes: USB transfer mode

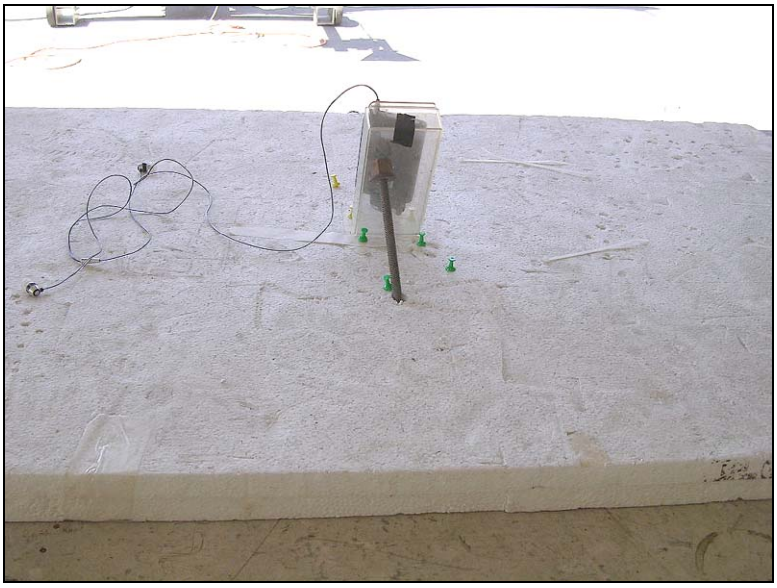


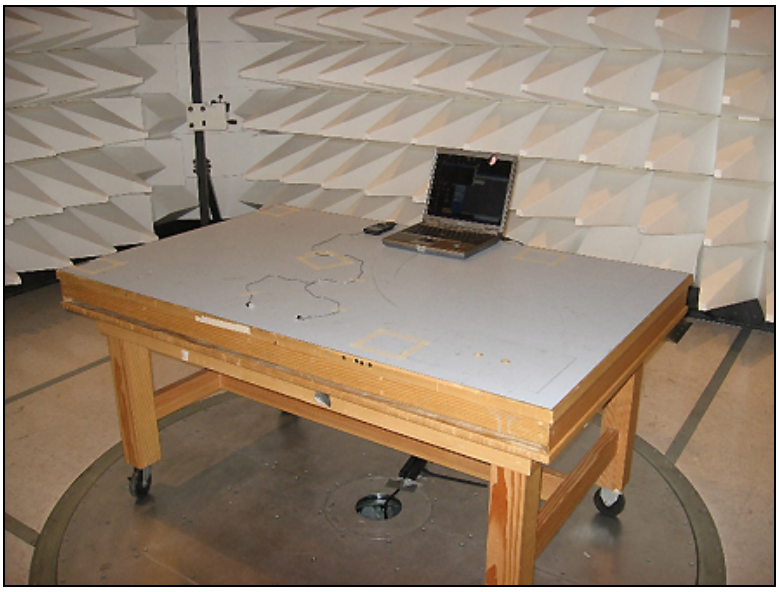
FCC 15.109 – RADIATED EMISSIONS

Test Setup Photos









Testing 11/1/07

Testing 11/1/07

Test Data Sheets

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.109 Class B**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Radiated Scan**	Time:	11:39:40
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	80
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive. Digital power setting code = 20. Modulation: 802.11b (11mbs QPSK) Frequency: 2437MHz. Frequency range of measurement = 30MHz-1000MHz. 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz. The emission profile of all three orthogonal orientations were investigated during preliminary investigation. Worst case is EUT placed up right. 23°C, 53% relative humidity. Note: Evaluation of cost reduced Power supply design.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	38.767M QP	48.5	-27.8	+14.8	+0.1	+1.1	+0.0	36.7	40.0	-3.3	Vert
^	38.767M	53.9	-27.8	+14.8	+0.1	+1.1	+0.0	42.1	40.0	+2.1	Vert
3	42.289M	48.4	-27.8	+12.9	+0.1	+1.1	+0.0	34.7	40.0	-5.3	Vert
4	46.890M	49.2	-27.7	+10.5	+0.1	+1.2	+0.0	33.3	40.0	-6.7	Vert

5	56.255M	51.2	-27.7	+7.2	+0.1	+1.3	+0.0	32.1	40.0	-7.9	Vert
6	120.420M	46.4	-27.6	+11.3	+0.3	+2.0	+0.0	32.4	43.5	-11.1	Horiz
7	76.530M	47.7	-27.8	+7.1	+0.1	+1.6	+0.0	28.7	40.0	-11.3	Vert
8	61.890M	47.6	-27.7	+6.2	+0.1	+1.3	+0.0	27.5	40.0	-12.5	Vert
9	141.600M	44.1	-27.7	+11.3	+0.2	+2.1	+0.0	30.0	43.5	-13.5	Horiz
10	146.820M	43.8	-27.7	+11.1	+0.2	+2.2	+0.0	29.6	43.5	-13.9	Vert
11	69.390M	45.0	-27.7	+6.0	+0.0	+1.5	+0.0	24.8	40.0	-15.2	Vert
12	506.160M	35.3	-27.6	+18.3	+0.3	+4.2	+0.0	30.5	46.0	-15.5	Vert
13	39.250M	35.2	-27.8	+14.6	+0.1	+1.1	+0.0	23.2	40.0	-16.8	Horiz
14	141.530M	40.7	-27.7	+11.3	+0.2	+2.1	+0.0	26.6	43.5	-16.9	Vert
15	208.520M	41.3	-27.6	+9.5	+0.2	+2.6	+0.0	26.0	43.5	-17.5	Horiz
16	538.280M	31.4	-27.4	+19.3	+0.5	+4.4	+0.0	28.2	46.0	-17.8	Vert
17	800.780M	26.9	-27.1	+21.9	+0.6	+5.5	+0.0	27.8	46.0	-18.2	Vert
18	433.900M	33.9	-27.7	+16.7	+0.4	+3.9	+0.0	27.2	46.0	-18.8	Vert
19	301.300M	37.2	-27.6	+13.2	+0.2	+3.2	+0.0	26.2	46.0	-19.8	Horiz
20	458.400M	32.1	-27.6	+17.3	+0.4	+4.0	+0.0	26.2	46.0	-19.8	Vert
21	225.000M	39.2	-27.6	+10.8	+0.2	+2.7	+0.0	25.3	46.0	-20.7	Horiz
22	195.230M	38.4	-27.6	+8.8	+0.2	+2.6	+0.0	22.4	43.5	-21.1	Horiz
23	256.630M	36.7	-27.7	+12.6	+0.3	+2.9	+0.0	24.8	46.0	-21.2	Horiz
24	114.250M	34.5	-27.6	+11.0	+0.3	+1.9	+0.0	20.1	43.5	-23.4	Horiz
25	156.950M	34.9	-27.7	+10.4	+0.2	+2.3	+0.0	20.1	43.5	-23.4	Vert
26	329.710M	32.0	-27.6	+14.0	+0.3	+3.4	+0.0	22.1	46.0	-23.9	Vert
27	224.450M	30.9	-27.6	+10.7	+0.2	+2.7	+0.0	16.9	46.0	-29.1	Vert

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.109 Class B**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Radiated Scan**	Time:	11:55:21
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	81
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive. Digital power setting code = 20. Modulation: 802.11g (54mbs, OFDM-64QAM). Frequency: 2437MHz. Frequency range of measurement = 30MHz - 1000MHz. 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz. The emission profile of all three orthogonal orientations were investigated during preliminary investigation. Worst case is EUT placed up right. 23°C, 53% relative humidity. Note: Evaluation of cost reduced Power supply design.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	38.567M QP	50.1	-27.8	+14.9	+0.1	+1.1	+0.0	38.4	40.0	-1.6	Vert
^	38.567M	54.8	-27.8	+14.9	+0.1	+1.1	+0.0	43.1	40.0	+3.1	Vert
3	46.617M	50.0	-27.7	+10.6	+0.1	+1.2	+0.0	34.2	40.0	-5.8	Vert

4	43.342M QP	47.7	-27.8	+12.3	+0.1	+1.1	+0.0	33.4	40.0	-6.6	Vert
^	43.342M	51.5	-27.8	+12.3	+0.1	+1.1	+0.0	37.2	40.0	-2.8	Vert
6	120.370M	46.2	-27.6	+11.3	+0.3	+2.0	+0.0	32.2	43.5	-11.3	Horiz
7	265.900M	46.0	-27.7	+12.7	+0.3	+3.0	+0.0	34.3	46.0	-11.7	Horiz
8	70.532M	46.9	-27.7	+6.1	+0.0	+1.5	+0.0	26.8	40.0	-13.2	Vert
9	146.830M	44.0	-27.7	+11.1	+0.2	+2.2	+0.0	29.8	43.5	-13.7	Horiz
10	161.160M	43.6	-27.7	+10.1	+0.2	+2.3	+0.0	28.5	43.5	-15.0	Horiz
11	39.030M	35.5	-27.8	+14.7	+0.1	+1.1	+0.0	23.6	40.0	-16.4	Vert
12	300.030M	40.3	-27.6	+13.2	+0.2	+3.2	+0.0	29.3	46.0	-16.7	Horiz
13	465.570M	34.5	-27.6	+17.4	+0.4	+4.1	+0.0	28.8	46.0	-17.2	Vert
14	85.720M	40.5	-27.8	+8.1	+0.1	+1.7	+0.0	22.6	40.0	-17.4	Vert
15	401.760M	36.4	-27.8	+15.8	+0.4	+3.7	+0.0	28.5	46.0	-17.5	Horiz
16	433.620M	35.1	-27.7	+16.7	+0.4	+3.9	+0.0	28.4	46.0	-17.6	Vert
17	161.200M	41.0	-27.7	+10.1	+0.2	+2.3	+0.0	25.9	43.5	-17.6	Vert
18	146.770M	38.4	-27.7	+11.1	+0.2	+2.2	+0.0	24.2	43.5	-19.3	Vert
19	131.060M	36.5	-27.6	+11.4	+0.3	+2.1	+0.0	22.7	43.5	-20.8	Vert
20	232.640M	37.1	-27.6	+11.3	+0.2	+2.8	+0.0	23.8	46.0	-22.2	Horiz
21	123.290M	35.0	-27.6	+11.4	+0.3	+2.0	+0.0	21.1	43.5	-22.4	Vert
22	69.030M	37.0	-27.7	+6.0	+0.0	+1.5	+0.0	16.8	40.0	-23.2	Horiz
23	402.000M	29.8	-27.8	+15.9	+0.4	+3.7	+0.0	22.0	46.0	-24.0	Vert
24	185.760M	35.2	-27.7	+8.9	+0.3	+2.5	+0.0	19.2	43.5	-24.3	Vert
25	320.760M	31.6	-27.6	+13.8	+0.2	+3.3	+0.0	21.3	46.0	-24.7	Vert

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.109 Class B**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Radiated Scan**	Time:	16:16:54
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	11
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive Digital power setting code = 63. Modulation: Bluetooth. Frequency: 2441MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. Frequency range of measurement = 30 MHz - 1000MHz. 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz. Note: Evaluation of Cost reduced Power supply design.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	41.817M	48.2	-27.8	+13.1	+0.1	+1.1	+0.0	34.7	40.0	-5.3	Vert

2	40.317M	47.2	-27.8	+14.0	+0.1	+1.1	+0.0	34.6	40.0	-5.4	Vert
3	38.250M QP	44.6	-27.8	+15.0	+0.1	+1.1	+0.0	33.0	40.0	-7.0	Vert
^	38.250M	49.5	-27.8	+15.0	+0.1	+1.1	+0.0	37.9	40.0	-2.1	Vert
5	433.620M	40.3	-27.7	+16.7	+0.4	+3.9	+0.0	33.6	46.0	-12.4	Horiz
6	207.330M	45.7	-27.6	+9.4	+0.2	+2.6	+0.0	30.3	43.5	-13.2	Horiz
7	264.400M	44.0	-27.7	+12.7	+0.3	+3.0	+0.0	32.3	46.0	-13.7	Horiz
8	361.080M	39.9	-27.6	+14.8	+0.3	+3.5	+0.0	30.9	46.0	-15.1	Horiz
9	401.780M	38.2	-27.8	+15.8	+0.4	+3.7	+0.0	30.3	46.0	-15.7	Horiz
10	369.880M	37.4	-27.7	+15.0	+0.3	+3.6	+0.0	28.6	46.0	-17.4	Horiz
11	51.070M	38.8	-27.7	+8.8	+0.1	+1.2	+0.0	21.2	40.0	-18.8	Horiz
12	433.900M	33.2	-27.7	+16.7	+0.4	+3.9	+0.0	26.5	46.0	-19.5	Vert
13	297.200M	37.3	-27.6	+13.2	+0.2	+3.2	+0.0	26.3	46.0	-19.7	Horiz
14	465.530M	31.8	-27.6	+17.4	+0.4	+4.1	+0.0	26.1	46.0	-19.9	Vert
15	304.700M	36.9	-27.6	+13.3	+0.2	+3.2	+0.0	26.0	46.0	-20.0	Horiz
16	417.830M	32.9	-27.7	+16.3	+0.4	+3.8	+0.0	25.7	46.0	-20.3	Vert
17	155.970M	37.5	-27.7	+10.5	+0.2	+2.3	+0.0	22.8	43.5	-20.7	Vert
18	386.050M	32.8	-27.7	+15.5	+0.4	+3.6	+0.0	24.6	46.0	-21.4	Horiz
19	474.020M	29.8	-27.6	+17.6	+0.4	+4.1	+0.0	24.3	46.0	-21.7	Horiz
20	490.350M	29.4	-27.6	+17.9	+0.3	+4.2	+0.0	24.2	46.0	-21.8	Vert
21	74.320M	37.2	-27.7	+6.7	+0.0	+1.5	+0.0	17.7	40.0	-22.3	Horiz
22	144.620M	35.2	-27.7	+11.2	+0.2	+2.2	+0.0	21.1	43.5	-22.4	Horiz
23	208.430M	35.2	-27.6	+9.5	+0.2	+2.6	+0.0	19.9	43.5	-23.6	Vert
24	231.970M	35.0	-27.6	+11.3	+0.2	+2.8	+0.0	21.7	46.0	-24.3	Horiz

25	232.480M	33.8	-27.6	+11.3	+0.2	+2.8	+0.0	20.5	46.0	-25.5	Vert
26	352.480M	28.4	-27.6	+14.6	+0.3	+3.5	+0.0	19.2	46.0	-26.8	Vert
27	195.870M	32.2	-27.6	+8.8	+0.2	+2.6	+0.0	16.2	43.5	-27.3	Vert
28	382.480M	25.6	-27.7	+15.4	+0.4	+3.6	+0.0	17.3	46.0	-28.7	Vert

Test Location: CKC Laboratories •22116 23rd Dr SE • Bothell, WA 98021-4413 • 425-402-1717

Customer: **Synapse Product Development**
Specification: **15.109 CLASS B**
Work Order #: **87002** Date: 11/1/2007
Test Type: **Radiated Scan** Time: 15:57:10
Equipment: **Wireless Music Player** Sequence#: 1
Manufacturer: Synapse Tested By: Ryan Rutledge
Model: MW101AM
S/N: EG001002Y00000000142

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Agilent E4440A	S/N: MY46186330	10/03/2007	10/03/2009	AN02872
Bothell 5m Cable Set	S/N: P05444	04/26/2007	04/26/2009	ANP05444
20' RG-214 Coax	S/N: 16	11/09/2006	11/09/2008	ANP05360
HP 8447D PreAmp	S/N: 2944A08601	07/10/2006	07/10/2008	AN01517
Chase BILOG	S/N: 2458	01/31/2007	01/31/2009	AN01993

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Wireless Music Player*	Synapse	MW101AM	EG001002Y00000000142

Support Devices:

Function	Manufacturer	Model #	S/N
Laptop PC	Dell	PP11L	CN-0C4708-48643-5CC-1983
AC Adapter	Dell	HP-OQ065B83	CN-0N2765-47890-4B4-4350

Test Conditions / Notes:

USB transfer mode

Transducer Legend:

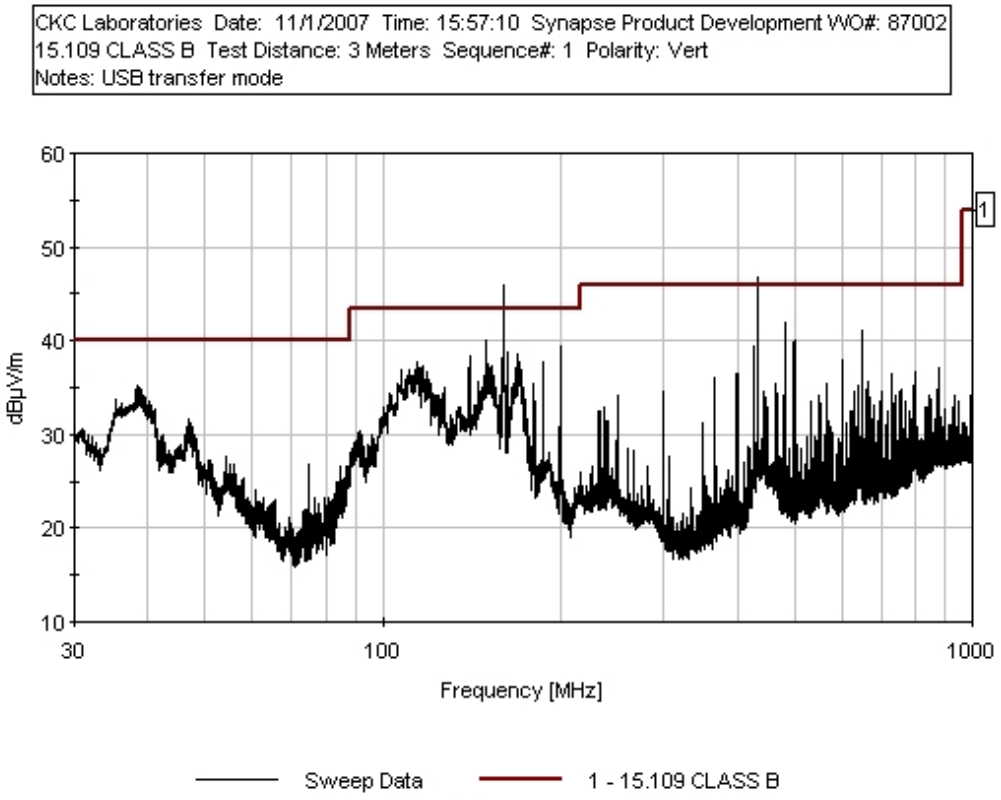
T1=ANT AN01993 25-1000MHz	T2=AMP-AN01517-071006
T3=CAB-ANP05444-042607 - CPC3 Cable Set	T4=CAB-ANP05360-110906

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	160.166M QP	58.3	+10.6	-27.3	+1.2	+0.7	+0.0 33	43.5	43.5	+0.0	Vert 100
^	160.158M	62.1	+10.6	-27.3	+1.2	+0.7	+0.0 33	47.3	43.5	+3.8	Vert 100
3	432.908M QP	52.3	+16.6	-27.9	+1.9	+1.2	+0.0 171	44.1	46.0	-1.9	Vert 100
^	432.936M	58.1	+16.6	-27.9	+1.9	+1.2	+0.0 171	49.9	46.0	+3.9	Vert 100
5	199.989M QP	57.1	+9.0	-27.4	+1.2	+0.8	+0.0 25	40.7	43.5	-2.8	Vert 200
^	200.004M	58.9	+9.0	-27.4	+1.2	+0.8	+0.0 25	42.5	43.5	-1.0	Vert 200

7	599.986M QP	47.0	+19.7	-28.4	+2.2	+1.4	+0.0 90	41.9	46.0	-4.1	Vert 144
^	600.012M	49.1	+19.7	-28.4	+2.2	+1.4	+0.0 90	44.0	46.0	-2.0	Vert 144
9	150.008M QP	53.0	+11.2	-27.4	+1.2	+0.6	+0.0 119	38.6	43.5	-4.9	Vert 100
^	150.012M	57.2	+11.2	-27.4	+1.2	+0.6	+0.0 119	42.8	43.5	-0.7	Vert 100
11	649.995M QP	44.9	+20.2	-28.6	+2.3	+1.5	+0.0 276	40.3	46.0	-5.7	Vert 100
^	649.980M	46.4	+20.2	-28.6	+2.3	+1.5	+0.0 276	41.8	46.0	-4.2	Vert 100
13	140.637M QP	50.3	+11.6	-27.4	+1.1	+0.6	+0.0	36.2	43.5	-7.3	Vert 100
^	140.625M	53.4	+11.6	-27.4	+1.1	+0.6	+0.0	39.3	43.5	-4.2	Vert 100
15	499.995M QP	45.5	+18.0	-28.2	+2.0	+1.2	+0.0 321	38.5	46.0	-7.5	Vert 100
^	499.999M	49.6	+18.0	-28.2	+2.0	+1.2	+0.0 321	42.6	46.0	-3.4	Vert 100
17	479.994M QP	44.5	+17.6	-28.0	+2.0	+1.2	+0.0 142	37.3	46.0	-8.7	Vert 200
^	479.972M	51.2	+17.6	-28.0	+2.0	+1.2	+0.0 142	44.0	46.0	-2.0	Vert 200
19	38.513M QP	43.1	+14.2	-27.6	+0.6	+0.3	+0.0 128	30.6	40.0	-9.4	Vert 100
^	38.446M	48.3	+14.3	-27.6	+0.6	+0.3	+0.0 128	35.9	40.0	-4.1	Vert 100
21	497.883M QP	42.5	+18.0	-28.2	+2.0	+1.2	+0.0 169	35.5	46.0	-10.5	Vert 100
^	497.914M	52.4	+18.0	-28.2	+2.0	+1.2	+0.0 169	45.4	46.0	-0.6	Vert 100
23	114.678M QP	46.5	+11.3	-27.5	+1.1	+0.6	+0.0 92	32.0	43.5	-11.5	Vert 100
^	114.735M	52.6	+11.3	-27.5	+1.1	+0.6	+0.0 92	38.1	43.5	-5.4	Vert 100
25	169.462M QP	46.2	+9.7	-27.2	+1.2	+0.7	+0.0 140	30.6	43.5	-12.9	Vert 100
^	169.451M	56.2	+9.7	-27.2	+1.2	+0.7	+0.0 140	40.6	43.5	-2.9	Vert 100
27	162.884M QP	41.2	+10.3	-27.3	+1.2	+0.7	+0.0 11	26.1	43.5	-17.4	Vert 100
^	162.872M	54.3	+10.3	-27.3	+1.2	+0.7	+0.0 11	39.2	43.5	-4.3	Vert 100

29	426.584M QP	30.9	+16.5	-27.8	+1.9	+1.2	+0.0 154	22.7	46.0	-23.3	Vert 100
^	426.625M	56.4	+16.5	-27.8	+1.9	+1.2	+0.0 154	48.2	46.0	+2.2	Vert 100
31	187.505M QP	36.5	+9.0	-27.3	+1.2	+0.7	+0.0 360	20.1	43.5	-23.4	Vert 100
^	187.573M	54.2	+9.0	-27.3	+1.2	+0.7	+0.0 360	37.8	43.5	-5.7	Vert 100



Test Location: CKC Laboratories •22116 23rd Dr SE • Bothell, WA 98021-4413 • 425-402-1717

Customer: **Synapse Product Development**
Specification: **15.109 CLASS B**
Work Order #: **87002** Date: 11/1/2007
Test Type: **Radiated Scan** Time: 15:52:10
Equipment: **Wireless Music Player** Sequence#: 2
Manufacturer: Synapse Tested By: Ryan Rutledge
Model: MW101AM
S/N: EG001002Y00000000142

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Agilent E4440A	S/N: MY46186330	10/03/2007	10/03/2009	AN02872
Bothell 5m Cable Set	S/N: P05444	04/26/2007	04/26/2009	ANP05444
20' RG-214 Coax	S/N: 16	11/09/2006	11/09/2008	ANP05360
HP 8447D PreAmp	S/N: 2944A08601	07/10/2006	07/10/2008	AN01517
Chase BILOG	S/N: 2458	01/31/2007	01/31/2009	AN01993

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Wireless Music Player*	Synapse	MW101AM	EG001002Y00000000142

Support Devices:

Function	Manufacturer	Model #	S/N
Laptop PC	Dell	PP11L	CN-0C4708-48643-5CC-1983
AC Adapter	Dell	HP-OQ065B83	CN-0N2765-47890-4B4-4350

Test Conditions / Notes:

USB transfer mode

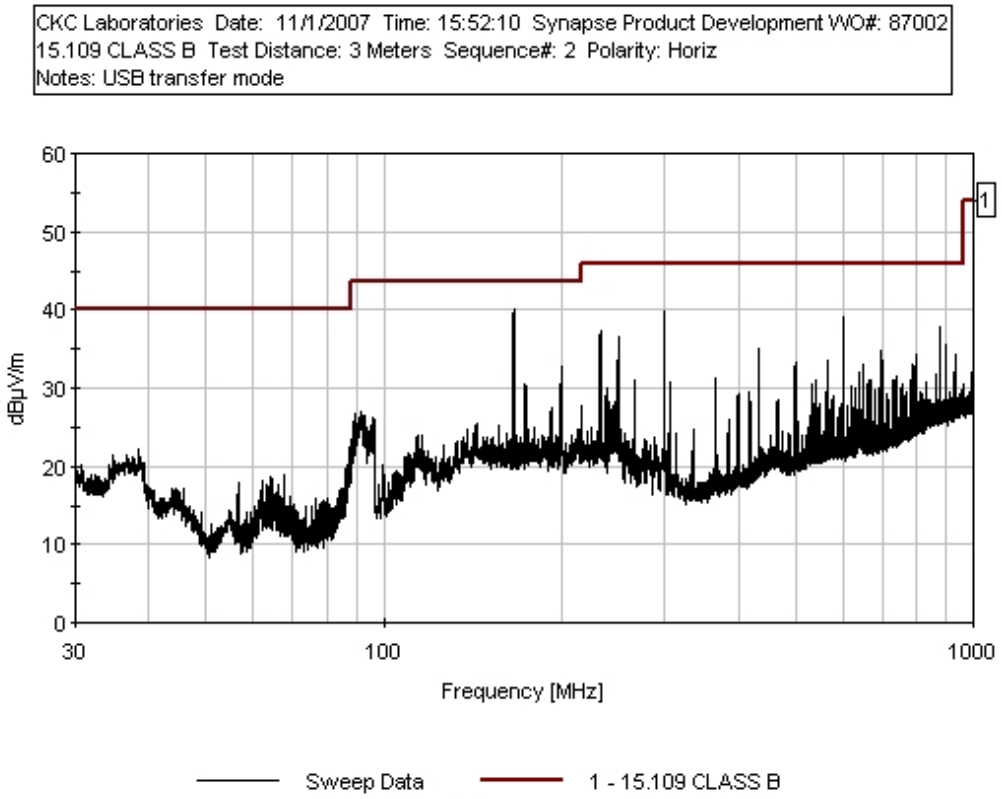
Transducer Legend:

T1=ANT AN01993 25-1000MHz	T2=AMP-AN01517-071006
T3=CAB-ANP05444-042607 - CPC3 Cable Set	T4=CAB-ANP05360-110906

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	166.473M QP	53.8	+10.0	-27.3	+1.2	+0.7	+0.0 87	38.4	43.5	-5.1	Horiz 180
^	166.502M	56.5	+10.0	-27.3	+1.2	+0.7	+0.0 87	41.1	43.5	-2.4	Horiz 180
3	599.993M QP	45.4	+19.7	-28.4	+2.2	+1.4	+0.0 174	40.3	46.0	-5.7	Horiz 154
^	599.987M	49.6	+19.7	-28.4	+2.2	+1.4	+0.0 174	44.5	46.0	-1.5	Horiz 154
5	299.640M QP	51.5	+13.4	-27.0	+1.5	+0.9	+0.0 323	40.3	46.0	-5.7	Horiz 116
^	299.676M	55.2	+13.4	-27.0	+1.5	+0.9	+0.0 323	44.0	46.0	-2.0	Horiz 116

7	249.999M QP	50.5	+12.8	-27.0	+1.4	+0.9	+0.0 111	38.6	46.0	-7.4	Horiz 127
^	249.943M	53.4	+12.8	-27.0	+1.4	+0.9	+0.0 111	41.5	46.0	-4.5	Horiz 127
9	874.999M QP	38.8	+23.1	-27.9	+2.7	+1.9	+0.0 155	38.6	46.0	-7.4	Horiz 168
^	874.997M	40.4	+23.1	-27.9	+2.7	+1.9	+0.0 155	40.2	46.0	-5.8	Horiz 168
11	899.244M	35.4	+23.4	-27.9	+2.7	+1.9	+0.0	35.5	46.0	-10.5	Horiz 180
12	199.995M	49.1	+9.0	-27.4	+1.2	+0.8	+0.0	32.7	43.5	-10.8	Horiz 180
13	233.084M QP	48.3	+11.6	-27.0	+1.3	+0.9	+0.0 98	35.1	46.0	-10.9	Horiz 111
^	233.086M	51.7	+11.6	-27.0	+1.3	+0.9	+0.0 98	38.5	46.0	-7.5	Horiz 111
15	432.944M	43.3	+16.6	-27.9	+1.9	+1.2	+0.0	35.1	46.0	-10.9	Horiz 180
16	699.358M	38.6	+20.7	-28.4	+2.3	+1.6	+0.0	34.8	46.0	-11.2	Horiz 180
17	799.011M	36.1	+22.3	-28.5	+2.6	+1.8	+0.0	34.3	46.0	-11.7	Horiz 180
18	929.659M	33.4	+23.7	-27.7	+2.8	+2.0	+0.0	34.2	46.0	-11.8	Horiz 180
19	566.211M	39.4	+19.2	-28.5	+2.1	+1.4	+0.0	33.6	46.0	-12.4	Horiz 180
20	896.109M	33.2	+23.4	-27.9	+2.7	+1.9	+0.0	33.3	46.0	-12.7	Horiz 180
21	499.338M	40.2	+18.0	-28.2	+2.0	+1.2	+0.0	33.2	46.0	-12.8	Horiz 180
22	799.325M	35.0	+22.3	-28.5	+2.6	+1.8	+0.0	33.2	46.0	-12.8	Horiz 180
23	650.613M	37.7	+20.2	-28.6	+2.3	+1.5	+0.0	33.1	46.0	-12.9	Horiz 180
24	790.723M	35.0	+22.2	-28.5	+2.6	+1.8	+0.0	33.1	46.0	-12.9	Horiz 180
25	932.586M	32.1	+23.8	-27.7	+2.8	+2.0	+0.0	33.0	46.0	-13.0	Horiz 180
26	173.866M	46.4	+9.3	-27.2	+1.2	+0.7	+0.0	30.4	43.5	-13.1	Horiz 180


CKC Laboratories Date: 11/1/2007 Time: 15:52:10 Synapse Product Development WO#: 87002
15.109 CLASS B Test Distance: 3 Meters Sequence#: 2 Polarity: Horiz
Notes: USB transfer mode
60
50
40
30
20
10
0
dBµV/m
30
100
1000
Frequency [MHz]
1
Sweep Data
1 - 15.109 CLASS B

Test Location: CKC Laboratories •22116 23rd Dr SE • Bothell, WA 98021-4413 • 425-402-1717

Customer: **Synapse Product Development**
Specification: **15.109 CLASS B**
Work Order #: **87002** Date: 11/1/2007
Test Type: **Radiated Scan** Time: 16:33:22
Equipment: **Wireless Music Player** Sequence#: 3
Manufacturer: Synapse Tested By: Ryan Rutledge
Model: MW101AM
S/N: EG001002Y00000000142

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Agilent E4440A	S/N: MY46186330	10/03/2007	10/03/2009	AN02872
60" Pasternack 40 GHz Coax	S/N: N/A	05/11/2006	05/11/2008	AN05423
30' Andrews Heliax 18 GHz	S/N: N/A	06/19/2006	06/19/2008	AN05545
HP 83017A .5 - 26.5 GHz Pre-amp	S/N: 3123A00464	10/02/2007	10/02/2009	AN01271
EMCO 3115 Horn Ant	S/N: 9606-4854	12/13/2005	12/13/2007	AN01412

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Wireless Music Player*	Synapse	MW101AM	EG001002Y00000000142

Support Devices:

Function	Manufacturer	Model #	S/N
Laptop PC	Dell	PP11L	CN-0C4708-48643-5CC-1983
AC Adapter	Dell	HP-OQ065B83	CN-0N2765-47890-4B4-4350

Test Conditions / Notes:

USB transfer mode. Highest operating frequency of EUT is 433 MHz.

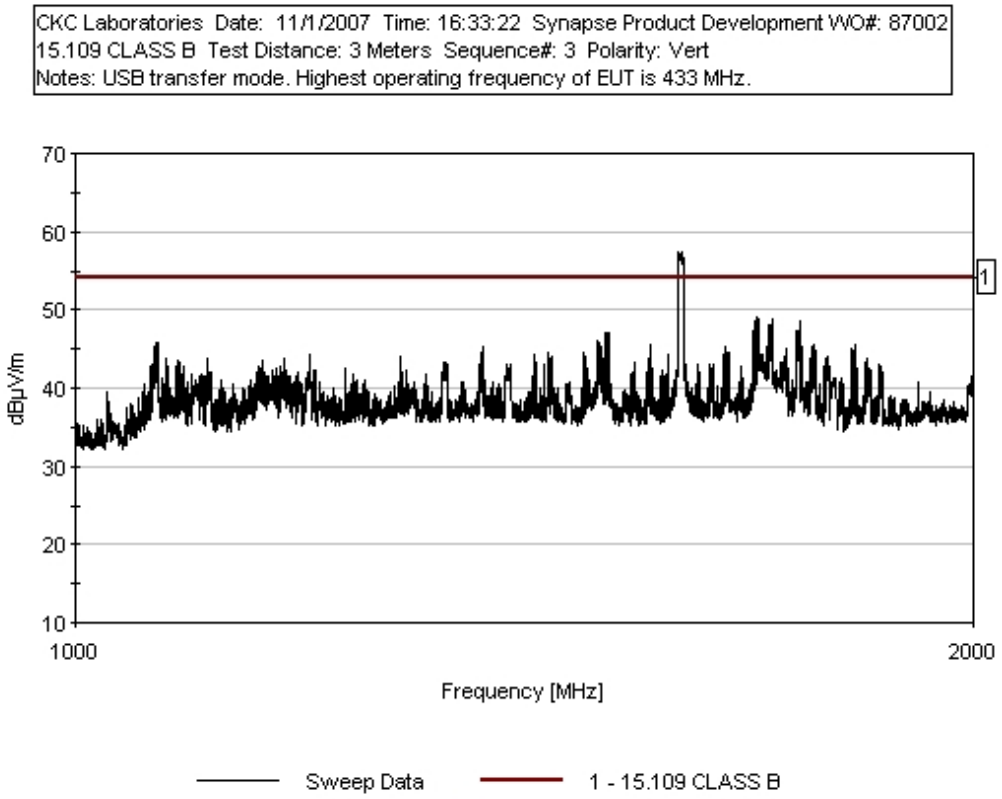
Transducer Legend:

T1=CAB-ANP05545-061906	T2=ANT-AN01412-121305
T3=CAB-ANP05423-051006	T4=AMP-AN01271-100207 - .5-26.5 GHz

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	1508.478M	51.6	+1.9	+26.2	+1.7	-34.3	+0.0	47.1	54.0	-6.9	Vert
2	1504.876M	51.5	+1.9	+26.2	+1.7	-34.3	+0.0	47.0	54.0	-7.0	Vert
3	1496.525M	50.6	+1.9	+26.2	+1.7	-34.3	+0.0	46.1	54.0	-7.9	Vert
4	1064.590M	54.8	+1.6	+23.9	+1.4	-35.8	+0.0	45.9	54.0	-8.1	Vert
5	1825.677M	49.2	+2.0	+26.2	+1.9	-33.7	+0.0	45.6	54.0	-8.4	Vert
6	1559.565M	49.8	+2.0	+26.2	+1.7	-34.2	+0.0	45.5	54.0	-8.5	Vert

7	1767.294M	49.2	+2.0	+26.2	+1.9	-33.8	+0.0	45.5	54.0	-8.5	Vert
8	1650.322M	49.4	+2.0	+26.2	+1.8	-34.0	+0.0	45.4	54.0	-8.6	Vert
9	1368.808M	50.8	+1.8	+25.6	+1.7	-34.6	+0.0	45.3	54.0	-8.7	Vert
10	1732.017M	48.9	+2.0	+26.2	+1.9	-33.9	+0.0	45.1	54.0	-8.9	Vert
11	1480.970M	49.2	+1.9	+26.1	+1.7	-34.3	+0.0	44.6	54.0	-9.4	Vert
12	1440.035M	49.5	+1.8	+25.9	+1.7	-34.4	+0.0	44.5	54.0	-9.5	Vert
13	1596.057M Ave	47.4	+2.0	+26.2	+1.8	-34.2	+0.0 169	43.2	54.0	-10.8	Vert 100
^	1596.035M	66.5	+2.0	+26.2	+1.8	-34.2	+0.0 169	62.3	54.0	+8.3	Vert 100
15	1330.070M Ave	36.1	+1.8	+25.4	+1.7	-34.7	+0.0 266	30.3	54.0	-23.7	Vert 100
^	1330.004M	51.9	+1.8	+25.4	+1.7	-34.7	+0.0 266	46.1	54.0	-7.9	Vert 100
17	1396.558M Ave	34.6	+1.8	+25.7	+1.7	-34.5	+0.0 89	29.3	54.0	-24.7	Vert 100
^	1396.475M	49.5	+1.8	+25.7	+1.7	-34.5	+0.0 89	44.2	54.0	-9.8	Vert 100
19	1706.875M Ave	28.7	+2.0	+26.2	+1.8	-33.9	+0.0	24.8	54.0	-29.2	Vert 100
^	1706.848M	51.9	+2.0	+26.2	+1.8	-33.9	+0.0	48.0	54.0	-6.0	Vert
21	1693.213M Ave	28.6	+2.0	+26.2	+1.8	-33.9	+0.0	24.7	54.0	-29.3	Vert 100
^	1693.176M	54.3	+2.0	+26.2	+1.8	-33.9	+0.0	50.4	54.0	-3.6	Vert 100
23	1712.883M Ave	28.3	+2.0	+26.2	+1.8	-33.9	+0.0	24.4	54.0	-29.6	Vert 100
^	1712.831M	52.7	+2.0	+26.2	+1.8	-33.9	+0.0	48.8	54.0	-5.2	Vert
25	1688.197M Ave	28.0	+2.0	+26.2	+1.8	-33.9	+0.0	24.1	54.0	-29.9	Vert 100
^	1688.281M	52.5	+2.0	+26.2	+1.8	-33.9	+0.0	48.6	54.0	-5.4	Vert
27	1749.496M Ave	27.4	+2.0	+26.2	+1.9	-33.8	+0.0	23.7	54.0	-30.3	Vert 100
^	1749.552M	52.3	+2.0	+26.2	+1.9	-33.8	+0.0	48.6	54.0	-5.4	Vert


CKC Laboratories Date: 11/1/2007 Time: 16:33:22 Synapse Product Development WO#: 87002
15.109 CLASS B Test Distance: 3 Meters Sequence#: 3 Polarity: Vert
Notes: USB transfer mode. Highest operating frequency of EUT is 433 MHz.
70
60
50
40
30
20
10
dBµV/m
1
1000
2000
Frequency [MHz]
Sweep Data
1 - 15.109 CLASS B

Test Location: CKC Laboratories •22116 23rd Dr SE • Bothell, WA 98021-4413 • 425-402-1717

Customer: **Synapse Product Development**
Specification: **15.109 CLASS B**
Work Order #: **87002** Date: 11/1/2007
Test Type: **Radiated Scan** Time: 16:43:52
Equipment: **Wireless Music Player** Sequence#: 4
Manufacturer: Synapse Tested By: Ryan Rutledge
Model: MW101AM
S/N: EG001002Y00000000142

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Agilent E4440A	S/N: MY46186330	10/03/2007	10/03/2009	AN02872
60" Pasternack 40 GHz Coax	S/N: N/A	05/11/2006	05/11/2008	AN05423
30' Andrews Heliax 18 GHz	S/N: N/A	06/19/2006	06/19/2008	AN05545
HP 83017A .5 - 26.5 GHz Pre-amp	S/N: 3123A00464	10/02/2007	10/02/2009	AN01271
EMCO 3115 Horn Ant	S/N: 9606-4854	12/13/2005	12/13/2007	AN01412

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Wireless Music Player*	Synapse	MW101AM	EG001002Y00000000142

Support Devices:

Function	Manufacturer	Model #	S/N
Laptop PC	Dell	PP11L	CN-0C4708-48643-5CC-1983
AC Adapter	Dell	HP-OQ065B83	CN-0N2765-47890-4B4-4350

Test Conditions / Notes:

USB transfer mode. Highest operating frequency of EUT is 433 MHz.

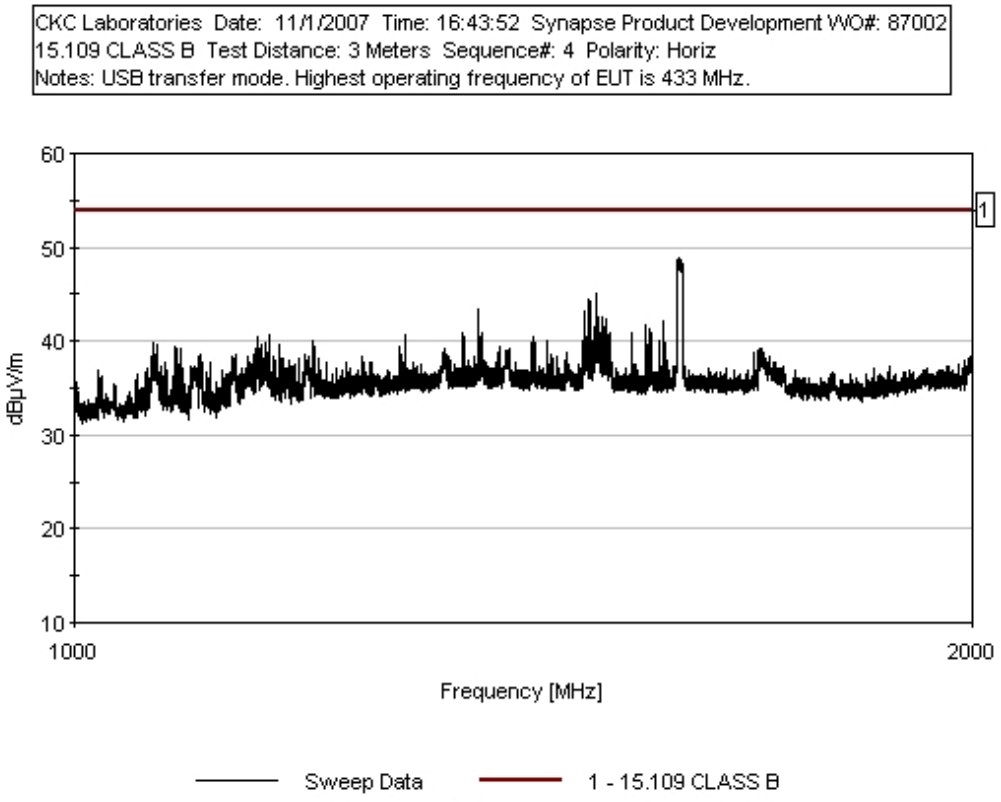
Transducer Legend:

T1=CAB-ANP05545-061906	T2=ANT-AN01412-121305
T3=CAB-ANP05423-051006	T4=AMP-AN01271-100207 - .5-26.5 GHz

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	1366.188M	49.0	+1.8	+25.6	+1.7	-34.6	+0.0	43.5	54.0	-10.5	Horiz 100
2	1482.935M	47.7	+1.9	+26.1	+1.7	-34.3	+0.0	43.1	54.0	-10.9	Horiz 100
3	1503.894M	47.1	+1.9	+26.2	+1.7	-34.3	+0.0	42.6	54.0	-11.4	Horiz 100
4	1575.939M	46.4	+2.0	+26.2	+1.8	-34.2	+0.0	42.2	54.0	-11.8	Horiz 100
5	1554.981M	46.0	+2.0	+26.2	+1.7	-34.2	+0.0	41.7	54.0	-12.3	Horiz 100
6	1557.600M	45.6	+2.0	+26.2	+1.7	-34.2	+0.0	41.3	54.0	-12.7	Horiz 100

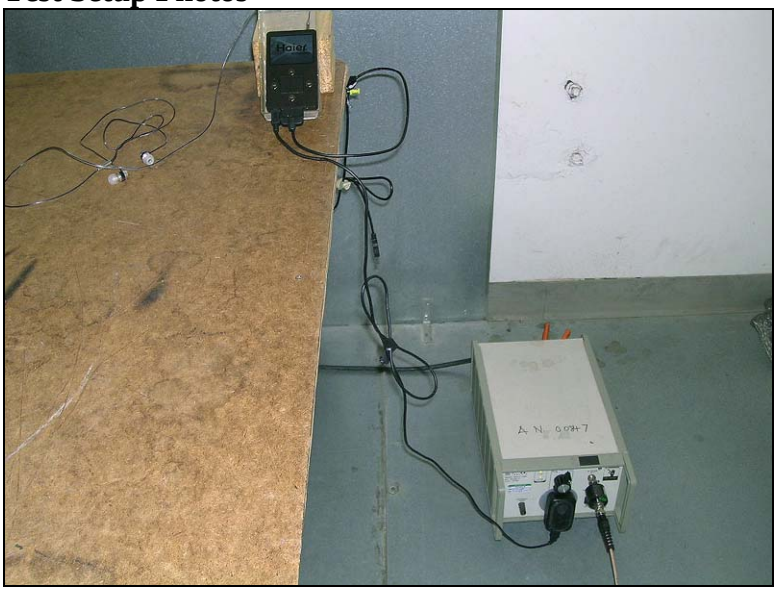
7	1596.237M Ave	39.8	+2.0	+26.2	+1.8	-34.2	+0.0 239	35.6	54.0	-18.4	Horiz 100
^	1596.282M	58.3	+2.0	+26.2	+1.8	-34.2	+0.0 239	54.1	54.0	+0.1	Horiz 100
9	1496.622M Ave	28.0	+1.9	+26.2	+1.7	-34.3	+0.0	23.5	54.0	-30.5	Horiz 100
^	1496.525M	49.5	+1.9	+26.2	+1.7	-34.3	+0.0	45.0	54.0	-9.0	Horiz 100
11	1489.911M Ave	27.6	+1.9	+26.2	+1.7	-34.3	+0.0	23.1	54.0	-30.9	Horiz 100
^	1489.976M	48.8	+1.9	+26.2	+1.7	-34.3	+0.0	44.3	54.0	-9.7	Horiz 100
13	1487.802M Ave	27.7	+1.9	+26.1	+1.7	-34.3	+0.0	23.1	54.0	-30.9	Horiz 100
^	1487.847M	49.0	+1.9	+26.1	+1.7	-34.3	+0.0	44.4	54.0	-9.6	Horiz 100



FCC 15.207 – AC CONDUCTED EMISSIONS

ANALYZER BANDWIDTH SETTINGS PER FREQUENCY RANGE			
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
CONDUCTED EMISSIONS	450 kHz	30 MHz	9 kHz

Test Setup Photos



Testing 11/1/07

Testing 11/1/07

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.207 COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	05:02:54
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	51
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11b mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM

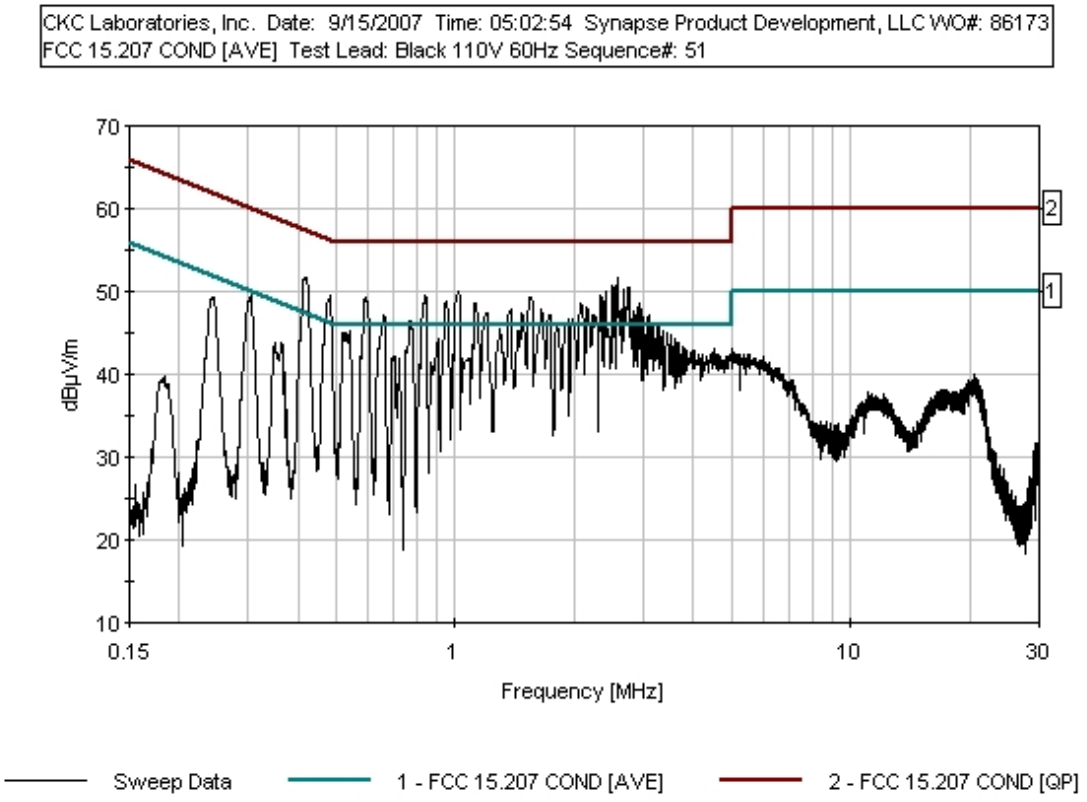
Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 Ave	416.157k	37.6	+0.2	+6.2	+0.1	+0.0	+0.0	44.1	47.5	-3.4	Black
^	416.157k	45.2	+0.2	+6.2	+0.1	+0.0	+0.0	51.7	47.5	+4.2	Black
3	694.677k	35.7	+0.2	+6.1	+0.1	+0.1	+0.0	42.2	46.0	-3.8	Black
4	720.857k	35.6	+0.1	+6.1	+0.1	+0.1	+0.0	42.0	46.0	-4.0	Black
5	1.081M	35.7	+0.1	+6.1	+0.0	+0.1	+0.0	42.0	46.0	-4.0	Black

6	867.752k	35.2	+0.1	+6.1	+0.0	+0.1	+0.0	41.5	46.0	-4.5	Black
7	362.344k	37.3	+0.2	+6.2	+0.1	+0.0	+0.0	43.8	48.7	-4.9	Black
8	591.414k Ave	32.9	+0.2	+6.1	+0.1	+0.1	+0.0	39.4	46.0	-6.6	Black
^	591.414k	42.7	+0.2	+6.1	+0.1	+0.1	+0.0	49.2	46.0	+3.2	Black
10	5.157M	35.8	+0.1	+6.2	+0.2	+0.2	+0.0	42.5	50.0	-7.5	Black
11	5.571M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	50.0	-7.6	Black
12	373.252k	33.7	+0.2	+6.2	+0.1	+0.0	+0.0	40.2	48.4	-8.2	Black
13	237.507k Ave	37.4	+0.2	+6.1	+0.1	+0.1	+0.0	43.9	52.2	-8.3	Black
14	480.655k Ave	30.2	+0.2	+6.2	+0.1	+0.1	+0.0	36.8	46.3	-9.5	Black
^	481.606k	42.9	+0.2	+6.2	+0.1	+0.1	+0.0	49.5	46.3	+3.2	Black
16	20.598M	32.0	+0.3	+6.1	+0.4	+1.3	+0.0	40.1	50.0	-9.9	Black
17	300.715k Ave	33.1	+0.2	+6.2	+0.1	+0.1	+0.0	39.7	50.2	-10.5	Black
^	304.168k	42.9	+0.2	+6.2	+0.1	+0.1	+0.0	49.5	50.1	-0.6	Black
19	945.249k Ave	29.2	+0.1	+6.1	+0.0	+0.1	+0.0	35.5	46.0	-10.5	Black
^	945.249k	42.4	+0.1	+6.1	+0.0	+0.1	+0.0	48.7	46.0	+2.7	Black
21	528.825k Ave	28.3	+0.2	+6.2	+0.1	+0.1	+0.0	34.9	46.0	-11.1	Black
22	1.018M Ave	28.4	+0.1	+6.1	+0.0	+0.1	+0.0	34.7	46.0	-11.3	Black
^	1.018M	43.6	+0.1	+6.1	+0.0	+0.1	+0.0	49.9	46.0	+3.9	Black
24	765.540k Ave	28.1	+0.1	+6.1	+0.1	+0.1	+0.0	34.5	46.0	-11.5	Black
^	764.489k	40.0	+0.1	+6.1	+0.1	+0.1	+0.0	46.4	46.0	+0.4	Black
26	1.119M Ave	27.1	+0.1	+6.1	+0.0	+0.1	+0.0	33.4	46.0	-12.6	Black
^	1.120M	42.3	+0.1	+6.1	+0.0	+0.1	+0.0	48.6	46.0	+2.6	Black
28	1.549M Ave	26.3	+0.1	+6.1	+0.1	+0.1	+0.0	32.7	46.0	-13.3	Black
^	1.549M	43.0	+0.1	+6.1	+0.1	+0.1	+0.0	49.4	46.0	+3.4	Black

30	661.500k	25.7	+0.2	+6.1	+0.1	+0.1	+0.0	32.2	46.0	-13.8	Black
	Ave										
^	660.499k	40.6	+0.2	+6.1	+0.1	+0.1	+0.0	47.1	46.0	+1.1	Black
32	842.100k	25.7	+0.1	+6.1	+0.0	+0.1	+0.0	32.0	46.0	-14.0	Black
	Ave										
^	842.300k	43.2	+0.1	+6.1	+0.0	+0.1	+0.0	49.5	46.0	+3.5	Black
34	2.143M	25.0	+0.1	+6.1	+0.1	+0.1	+0.0	31.4	46.0	-14.6	Black
	Ave										
^	2.149M	41.6	+0.1	+6.1	+0.1	+0.1	+0.0	48.0	46.0	+2.0	Black
36	1.382M	24.9	+0.1	+6.1	+0.0	+0.1	+0.0	31.2	46.0	-14.8	Black
	Ave										
^	1.383M	41.5	+0.1	+6.1	+0.0	+0.1	+0.0	47.8	46.0	+1.8	Black
38	1.804M	24.3	+0.1	+6.1	+0.1	+0.1	+0.0	30.7	46.0	-15.3	Black
	Ave										
^	1.804M	39.2	+0.1	+6.1	+0.1	+0.1	+0.0	45.6	46.0	-0.4	Black
40	2.576M	24.0	+0.1	+6.2	+0.1	+0.2	+0.0	30.6	46.0	-15.4	Black
	Ave										
^	2.578M	45.0	+0.1	+6.2	+0.1	+0.2	+0.0	51.6	46.0	+5.6	Black
42	2.076M	24.0	+0.1	+6.1	+0.1	+0.1	+0.0	30.4	46.0	-15.6	Black
	Ave										
^	2.076M	42.1	+0.1	+6.1	+0.1	+0.1	+0.0	48.5	46.0	+2.5	Black
44	2.741M	23.2	+0.1	+6.2	+0.1	+0.2	+0.0	29.8	46.0	-16.2	Black
	Ave										
^	2.741M	44.0	+0.1	+6.2	+0.1	+0.2	+0.0	50.6	46.0	+4.6	Black
^	2.748M	43.9	+0.1	+6.2	+0.1	+0.2	+0.0	50.5	46.0	+4.5	Black
47	541.237k	22.6	+0.2	+6.1	+0.1	+0.1	+0.0	29.1	46.0	-16.9	Black
	Ave										
^	541.237k	38.7	+0.2	+6.1	+0.1	+0.1	+0.0	45.2	46.0	-0.8	Black
49	1.290M	22.8	+0.1	+6.1	+0.0	+0.1	+0.0	29.1	46.0	-16.9	Black
	Ave										
^	1.294M	39.2	+0.1	+6.1	+0.0	+0.1	+0.0	45.5	46.0	-0.5	Black
51	2.838M	21.7	+0.1	+6.2	+0.1	+0.2	+0.0	28.3	46.0	-17.7	Black
	Ave										
^	2.838M	41.0	+0.1	+6.2	+0.1	+0.2	+0.0	47.6	46.0	+1.6	Black
53	2.908M	20.1	+0.1	+6.2	+0.1	+0.2	+0.0	26.7	46.0	-19.3	Black
	Ave										
^	2.914M	41.9	+0.1	+6.2	+0.1	+0.2	+0.0	48.5	46.0	+2.5	Black

55	3.080M Ave	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	Black
^	3.080M	40.6	+0.1	+6.2	+0.1	+0.2	+0.0	47.2	46.0	+1.2	Black
57	3.012M Ave	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	Black
^	3.012M	38.2	+0.1	+6.2	+0.1	+0.2	+0.0	44.8	46.0	-1.2	Black
59	902.721k Ave	19.7	+0.1	+6.1	+0.0	+0.1	+0.0	26.0	46.0	-20.0	Black
^	902.721k	38.1	+0.1	+6.1	+0.0	+0.1	+0.0	44.4	46.0	-1.6	Black
61	3.425M Ave	19.1	+0.1	+6.2	+0.2	+0.2	+0.0	25.8	46.0	-20.2	Black
^	3.425M	38.3	+0.1	+6.2	+0.2	+0.2	+0.0	45.0	46.0	-1.0	Black
63	3.603M Ave	19.0	+0.1	+6.2	+0.2	+0.2	+0.0	25.7	46.0	-20.3	Black
^	3.603M	37.7	+0.1	+6.2	+0.2	+0.2	+0.0	44.4	46.0	-1.6	Black
65	3.782M Ave	18.5	+0.1	+6.2	+0.2	+0.2	+0.0	25.2	46.0	-20.8	Black
^	3.782M	36.7	+0.1	+6.2	+0.2	+0.2	+0.0	43.4	46.0	-2.6	Black
67	4.509M Ave	16.6	+0.1	+6.2	+0.2	+0.2	+0.0	23.3	46.0	-22.7	Black
^	4.509M	36.4	+0.1	+6.2	+0.2	+0.2	+0.0	43.1	46.0	-2.9	Black
69	3.693M Ave	16.2	+0.1	+6.2	+0.2	+0.2	+0.0	22.9	46.0	-23.1	Black
^	3.693M	37.0	+0.1	+6.2	+0.2	+0.2	+0.0	43.7	46.0	-2.3	Black
71	245.264k Ave	21.9	+0.2	+6.1	+0.1	+0.1	+0.0	28.4	51.9	-23.5	Black
^	245.264k	42.7	+0.2	+6.1	+0.1	+0.1	+0.0	49.2	51.9	-2.7	Black


CKC Laboratories, Inc. Date: 9/15/2007 Time: 05:02:54 Synapse Product Development, LLC WO#: 86173
FCC 15.207 COND [AVE] Test Lead: Black 110V 60Hz Sequence#: 51
70
60
50
40
30
20
10
dBµV/m
0.15
1
10
30
Frequency [MHz]
2
1
Sweep Data
1 - FCC 15.207 COND [AVE]
2 - FCC 15.207 COND [QP]

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.207 COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	05:21:34
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	52
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11b mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L2) Insertion Loss 00847 EMCO 3816/2NM

Measurement Data: Reading listed by margin. Test Lead: White

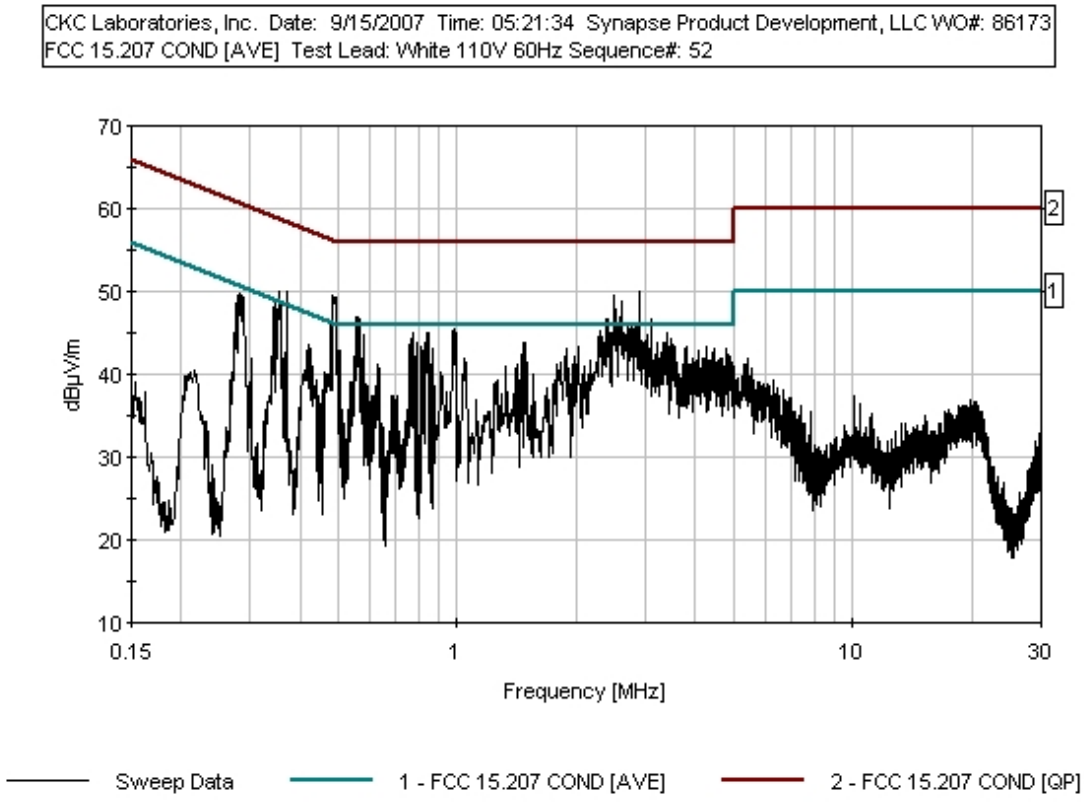
#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.795M	36.7	+0.1	+6.2	+0.2	+0.2	+0.0	43.4	46.0	-2.6	White
2	2.034M	36.9	+0.1	+6.1	+0.1	+0.1	+0.0	43.3	46.0	-2.7	White
3	3.433M	36.6	+0.1	+6.2	+0.2	+0.2	+0.0	43.3	46.0	-2.7	White
4	4.262M	36.6	+0.1	+6.2	+0.2	+0.2	+0.0	43.3	46.0	-2.7	White
5	551.417k	36.7	+0.2	+6.1	+0.1	+0.1	+0.0	43.2	46.0	-2.8	White

6	4.475M	36.4	+0.1	+6.2	+0.2	+0.2	+0.0	43.1	46.0	-2.9	White
7	865.570k	36.7	+0.1	+6.1	+0.0	+0.1	+0.0	43.0	46.0	-3.0	White
8	1.902M	36.6	+0.1	+6.1	+0.1	+0.1	+0.0	43.0	46.0	-3.0	White
9	3.773M	36.3	+0.1	+6.2	+0.2	+0.2	+0.0	43.0	46.0	-3.0	White
10	4.811M	36.3	+0.1	+6.2	+0.2	+0.2	+0.0	43.0	46.0	-3.0	White
11	507.784k	36.2	+0.2	+6.2	+0.1	+0.1	+0.0	42.8	46.0	-3.2	White
12	820.483k	36.4	+0.1	+6.1	+0.1	+0.1	+0.0	42.8	46.0	-3.2	White
13	4.067M	36.1	+0.1	+6.2	+0.2	+0.2	+0.0	42.8	46.0	-3.2	White
14	4.101M	35.9	+0.1	+6.2	+0.2	+0.2	+0.0	42.6	46.0	-3.4	White
15	4.866M	35.8	+0.1	+6.2	+0.2	+0.2	+0.0	42.5	46.0	-3.5	White
16	1.456M	36.1	+0.1	+6.1	+0.0	+0.1	+0.0	42.4	46.0	-3.6	White
17	3.756M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	46.0	-3.6	White
18	4.288M	35.6	+0.1	+6.2	+0.2	+0.2	+0.0	42.3	46.0	-3.7	White
19	548.508k	35.7	+0.2	+6.1	+0.1	+0.1	+0.0	42.2	46.0	-3.8	White
20	1.877M	35.8	+0.1	+6.1	+0.1	+0.1	+0.0	42.2	46.0	-3.8	White
21	4.913M	35.5	+0.1	+6.2	+0.2	+0.2	+0.0	42.2	46.0	-3.8	White
22	423.428k	36.9	+0.2	+6.2	+0.1	+0.1	+0.0	43.5	47.4	-3.9	White
23	1.039M	35.7	+0.1	+6.1	+0.0	+0.1	+0.0	42.0	46.0	-4.0	White
24	3.939M	35.3	+0.1	+6.2	+0.2	+0.2	+0.0	42.0	46.0	-4.0	White
25	421.247k	36.7	+0.2	+6.2	+0.1	+0.1	+0.0	43.3	47.4	-4.1	White
26	4.211M	35.2	+0.1	+6.2	+0.2	+0.2	+0.0	41.9	46.0	-4.1	White
27	4.679M	35.2	+0.1	+6.2	+0.2	+0.2	+0.0	41.9	46.0	-4.1	White
28	4.237M	35.1	+0.1	+6.2	+0.2	+0.2	+0.0	41.8	46.0	-4.2	White
29	4.637M	35.1	+0.1	+6.2	+0.2	+0.2	+0.0	41.8	46.0	-4.2	White
30	818.301k	35.3	+0.1	+6.1	+0.1	+0.1	+0.0	41.7	46.0	-4.3	White

31	4.573M	35.0	+0.1	+6.2	+0.2	+0.2	+0.0	41.7	46.0	-4.3	White
32	4.309M	34.9	+0.1	+6.2	+0.2	+0.2	+0.0	41.6	46.0	-4.4	White
33	4.373M	34.9	+0.1	+6.2	+0.2	+0.2	+0.0	41.6	46.0	-4.4	White
34	4.696M	34.9	+0.1	+6.2	+0.2	+0.2	+0.0	41.6	46.0	-4.4	White
35	3.973M	34.8	+0.1	+6.2	+0.2	+0.2	+0.0	41.5	46.0	-4.5	White
36	4.973M	34.8	+0.1	+6.2	+0.2	+0.2	+0.0	41.5	46.0	-4.5	White
37	1.498M	35.0	+0.1	+6.1	+0.1	+0.1	+0.0	41.4	46.0	-4.6	White
38	1.817M	35.0	+0.1	+6.1	+0.1	+0.1	+0.0	41.4	46.0	-4.6	White
39	4.501M	34.7	+0.1	+6.2	+0.2	+0.2	+0.0	41.4	46.0	-4.6	White
40	630.682k	34.8	+0.2	+6.1	+0.1	+0.1	+0.0	41.3	46.0	-4.7	White
41	853.934k	35.0	+0.1	+6.1	+0.0	+0.1	+0.0	41.3	46.0	-4.7	White
42	1.957M	34.9	+0.1	+6.1	+0.1	+0.1	+0.0	41.3	46.0	-4.7	White
43	3.701M	34.6	+0.1	+6.2	+0.2	+0.2	+0.0	41.3	46.0	-4.7	White
44	776.123k	34.8	+0.1	+6.1	+0.1	+0.1	+0.0	41.2	46.0	-4.8	White
45	1.417M	34.9	+0.1	+6.1	+0.0	+0.1	+0.0	41.2	46.0	-4.8	White
46	3.854M	34.4	+0.1	+6.2	+0.2	+0.2	+0.0	41.1	46.0	-4.9	White
47 Ave	278.600k	27.6	+0.2	+6.1	+0.1	+0.1	+0.0	34.1	50.9	-16.8	White
^	282.351k	43.3	+0.2	+6.1	+0.1	+0.1	+0.0	49.8	50.7	-0.9	White
49 Ave	2.493M	21.7	+0.1	+6.2	+0.1	+0.2	+0.0	28.3	46.0	-17.7	White
^	2.493M	42.9	+0.1	+6.2	+0.1	+0.2	+0.0	49.5	46.0	+3.5	White
51 Ave	2.595M	21.4	+0.1	+6.2	+0.1	+0.2	+0.0	28.0	46.0	-18.0	White
^	2.595M	42.2	+0.1	+6.2	+0.1	+0.2	+0.0	48.8	46.0	+2.8	White
53 Ave	481.350k	21.0	+0.2	+6.2	+0.1	+0.1	+0.0	27.6	46.3	-18.7	White
^	478.696k	39.4	+0.2	+6.2	+0.1	+0.1	+0.0	46.0	46.4	-0.4	White

55	2.391M Ave	20.6	+0.1	+6.2	+0.1	+0.2	+0.0	27.2	46.0	-18.8	White
^	2.391M	40.1	+0.1	+6.2	+0.1	+0.2	+0.0	46.7	46.0	+0.7	White
57	2.606M Ave	20.5	+0.1	+6.2	+0.1	+0.2	+0.0	27.1	46.0	-18.9	White
58	2.469M Ave	20.5	+0.1	+6.2	+0.1	+0.2	+0.0	27.1	46.0	-18.9	White
59	2.880M Ave	19.4	+0.1	+6.2	+0.1	+0.2	+0.0	26.0	46.0	-20.0	White
^	2.880M	43.3	+0.1	+6.2	+0.1	+0.2	+0.0	49.9	46.0	+3.9	White
61	2.310M Ave	19.1	+0.1	+6.2	+0.1	+0.2	+0.0	25.7	46.0	-20.3	White
^	2.310M	38.7	+0.1	+6.2	+0.1	+0.2	+0.0	45.3	46.0	-0.7	White
63	349.879k Ave	21.6	+0.2	+6.2	+0.1	+0.1	+0.0	28.2	49.0	-20.8	White
^	347.072k	42.4	+0.2	+6.2	+0.1	+0.1	+0.0	49.0	49.0	+0.0	White
65	3.374M Ave	17.5	+0.1	+6.2	+0.2	+0.2	+0.0	24.2	46.0	-21.8	White
^	3.374M	37.0	+0.1	+6.2	+0.2	+0.2	+0.0	43.7	46.0	-2.3	White
67	556.507k Ave	17.6	+0.2	+6.1	+0.1	+0.1	+0.0	24.1	46.0	-21.9	White
^	556.507k	40.4	+0.2	+6.1	+0.1	+0.1	+0.0	46.9	46.0	+0.9	White
69	3.029M Ave	17.4	+0.1	+6.2	+0.1	+0.2	+0.0	24.0	46.0	-22.0	White
^	3.029M	38.1	+0.1	+6.2	+0.1	+0.2	+0.0	44.7	46.0	-1.3	White
71	3.399M Ave	17.0	+0.1	+6.2	+0.2	+0.2	+0.0	23.7	46.0	-22.3	White
72	491.059k Ave	17.2	+0.2	+6.2	+0.1	+0.1	+0.0	23.8	46.1	-22.3	White
^	491.059k	42.7	+0.2	+6.2	+0.1	+0.1	+0.0	49.3	46.1	+3.2	White
74	3.399M Ave	16.8	+0.1	+6.2	+0.2	+0.2	+0.0	23.5	46.0	-22.5	White
^	3.399M	38.2	+0.1	+6.2	+0.2	+0.2	+0.0	44.9	46.0	-1.1	White
76	3.097M Ave	16.0	+0.1	+6.2	+0.1	+0.2	+0.0	22.6	46.0	-23.4	White
^	3.097M	40.1	+0.1	+6.2	+0.1	+0.2	+0.0	46.7	46.0	+0.7	White
78	353.298k Ave	17.6	+0.2	+6.2	+0.1	+0.1	+0.0	24.2	48.9	-24.7	White
^	355.798k	43.3	+0.2	+6.2	+0.1	+0.1	+0.0	49.9	48.8	+1.1	White

80 Ave	983.523k	10.7	+0.1	+6.1	+0.0	+0.1	+0.0	17.0	46.0	-29.0	White
^	983.523k	39.2	+0.1	+6.1	+0.0	+0.1	+0.0	45.5	46.0	-0.5	White
82 Ave	1.473M	9.1	+0.1	+6.1	+0.0	+0.1	+0.0	15.4	46.0	-30.6	White
^	1.481M	37.6	+0.1	+6.1	+0.0	+0.1	+0.0	43.9	46.0	-2.1	White
^	1.464M	37.5	+0.1	+6.1	+0.0	+0.1	+0.0	43.8	46.0	-2.2	White
^	1.473M	36.9	+0.1	+6.1	+0.0	+0.1	+0.0	43.2	46.0	-2.8	White
86 Ave	369.615k	6.0	+0.2	+6.2	+0.1	+0.1	+0.0	12.6	48.5	-35.9	White
^	369.615k	43.3	+0.2	+6.2	+0.1	+0.1	+0.0	49.9	48.5	+1.4	White



Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.207 COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	06:02:53
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	54
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11g mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM

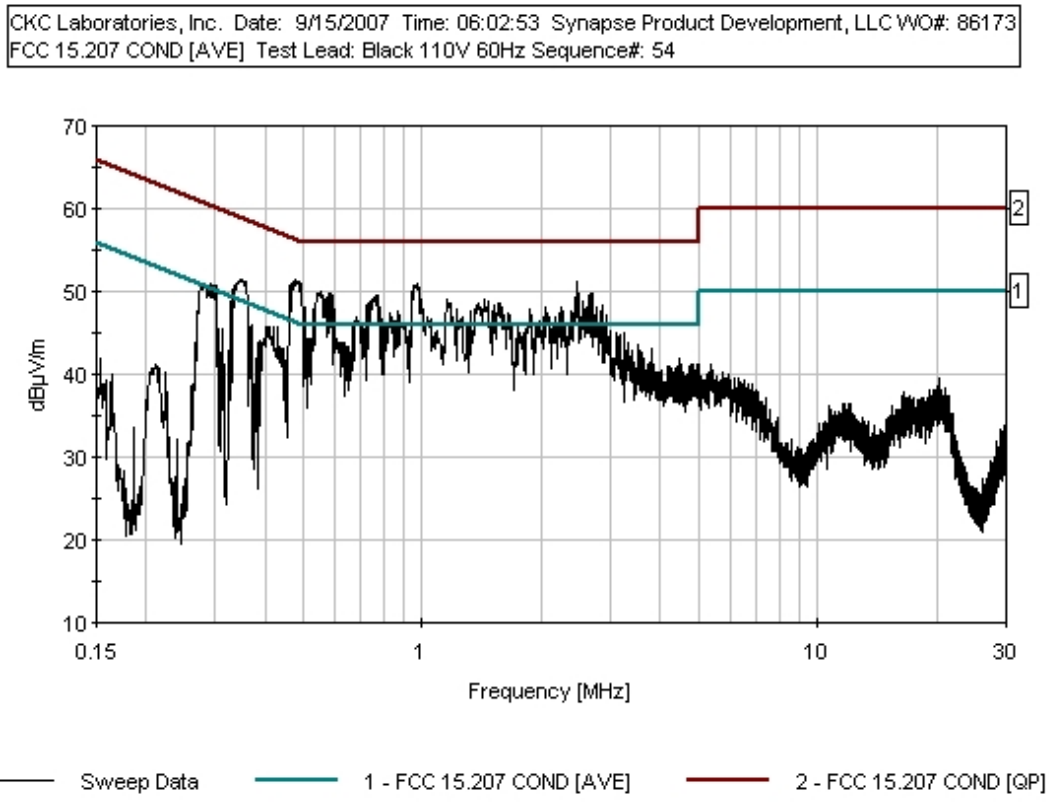
Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.445M	35.3	+0.1	+6.2	+0.2	+0.2	+0.0	42.0	46.0	-4.0	Black
2	445.245k	36.3	+0.2	+6.2	+0.1	+0.0	+0.0	42.8	47.0	-4.2	Black
3	383.432k	37.4	+0.2	+6.2	+0.1	+0.0	+0.0	43.9	48.2	-4.3	Black
4	313.620k	38.9	+0.2	+6.2	+0.1	+0.1	+0.0	45.5	49.9	-4.4	Black

5	484.207k	34.9	+0.2	+6.2	+0.1	+0.1	+0.0	41.5	46.3	-4.8	Black
	Ave										
^	479.423k	44.8	+0.2	+6.2	+0.1	+0.1	+0.0	51.4	46.3	+5.1	Black
7	344.823k	37.7	+0.2	+6.2	+0.1	+0.1	+0.0	44.3	49.1	-4.8	Black
	Ave										
8	476.321k	35.0	+0.2	+6.2	+0.1	+0.1	+0.0	41.6	46.4	-4.8	Black
	Ave										
9	482.351k	34.8	+0.2	+6.2	+0.1	+0.1	+0.0	41.4	46.3	-4.9	Black
	Ave										
10	343.209k	36.8	+0.2	+6.2	+0.1	+0.1	+0.0	43.4	49.1	-5.7	Black
	Ave										
11	485.799k	33.8	+0.2	+6.2	+0.1	+0.1	+0.0	40.4	46.2	-5.8	Black
	Ave										
12	347.395k	36.5	+0.2	+6.2	+0.1	+0.0	+0.0	43.0	49.0	-6.0	Black
	Ave										
13	346.495k	36.3	+0.2	+6.2	+0.1	+0.0	+0.0	42.8	49.0	-6.2	Black
	Ave										
14	346.495k	36.1	+0.2	+6.2	+0.1	+0.0	+0.0	42.6	49.0	-6.4	Black
	Ave										
15	346.495k	36.0	+0.2	+6.2	+0.1	+0.0	+0.0	42.5	49.0	-6.5	Black
	Ave										
^	343.209k	45.2	+0.2	+6.2	+0.1	+0.1	+0.0	51.8	49.1	+2.7	Black
^	348.526k	45.0	+0.2	+6.2	+0.1	+0.0	+0.0	51.5	49.0	+2.5	Black
18	760.852k	32.0	+0.1	+6.1	+0.1	+0.1	+0.0	38.4	46.0	-7.6	Black
	Ave										
^	760.852k	43.1	+0.1	+6.1	+0.1	+0.1	+0.0	49.5	46.0	+3.5	Black
20	276.476k	36.7	+0.2	+6.1	+0.1	+0.1	+0.0	43.2	50.9	-7.7	Black
	Ave										
21	347.395k	34.5	+0.2	+6.2	+0.1	+0.0	+0.0	41.0	49.0	-8.0	Black
	Ave										
22	970.765k	31.0	+0.1	+6.1	+0.0	+0.1	+0.0	37.3	46.0	-8.7	Black
	Ave										
^	970.765k	44.6	+0.1	+6.1	+0.0	+0.1	+0.0	50.9	46.0	+4.9	Black
24	746.910k	30.1	+0.1	+6.1	+0.1	+0.1	+0.0	36.5	46.0	-9.5	Black
	Ave										
25	2.468M	28.3	+0.1	+6.2	+0.1	+0.2	+0.0	34.9	46.0	-11.1	Black
	Ave										
^	2.468M	44.5	+0.1	+6.2	+0.1	+0.2	+0.0	51.1	46.0	+5.1	Black
27	2.051M	28.4	+0.1	+6.1	+0.1	+0.1	+0.0	34.8	46.0	-11.2	Black
	Ave										
^	2.051M	41.7	+0.1	+6.1	+0.1	+0.1	+0.0	48.1	46.0	+2.1	Black

29 Ave	1.651M	28.2	+0.1	+6.1	+0.1	+0.1	+0.0	34.6	46.0	-11.4	Black
^	1.651M	40.9	+0.1	+6.1	+0.1	+0.1	+0.0	47.3	46.0	+1.3	Black
31 Ave	1.430M	27.1	+0.1	+6.1	+0.0	+0.1	+0.0	33.4	46.0	-12.6	Black
^	1.430M	42.7	+0.1	+6.1	+0.0	+0.1	+0.0	49.0	46.0	+3.0	Black
33 Ave	2.238M	26.7	+0.1	+6.2	+0.1	+0.2	+0.0	33.3	46.0	-12.7	Black
^	2.238M	41.5	+0.1	+6.2	+0.1	+0.2	+0.0	48.1	46.0	+2.1	Black
35 Ave	2.693M	26.7	+0.1	+6.2	+0.1	+0.2	+0.0	33.3	46.0	-12.7	Black
^	2.693M	43.1	+0.1	+6.2	+0.1	+0.2	+0.0	49.7	46.0	+3.7	Black
37 Ave	1.766M	26.5	+0.1	+6.1	+0.1	+0.1	+0.0	32.9	46.0	-13.1	Black
^	1.766M	38.7	+0.1	+6.1	+0.1	+0.1	+0.0	45.1	46.0	-0.9	Black
39 Ave	2.863M	23.9	+0.1	+6.2	+0.1	+0.2	+0.0	30.5	46.0	-15.5	Black
^	2.863M	41.8	+0.1	+6.2	+0.1	+0.2	+0.0	48.4	46.0	+2.4	Black
41 Ave	1.745M	23.3	+0.1	+6.1	+0.1	+0.1	+0.0	29.7	46.0	-16.3	Black
^	1.745M	39.2	+0.1	+6.1	+0.1	+0.1	+0.0	45.6	46.0	-0.4	Black
43 Ave	869.933k	20.8	+0.1	+6.1	+0.0	+0.1	+0.0	27.1	46.0	-18.9	Black
^	869.933k	41.3	+0.1	+6.1	+0.0	+0.1	+0.0	47.6	46.0	+1.6	Black
45 Ave	462.698k	19.8	+0.2	+6.2	+0.1	+0.1	+0.0	26.4	46.6	-20.2	Black
^	462.698k	44.0	+0.2	+6.2	+0.1	+0.1	+0.0	50.6	46.6	+4.0	Black
47 Ave	328.892k	21.2	+0.2	+6.2	+0.1	+0.1	+0.0	27.8	49.5	-21.7	Black
^	328.892k	42.1	+0.2	+6.2	+0.1	+0.1	+0.0	48.7	49.5	-0.8	Black
49 Ave	503.421k	16.8	+0.2	+6.2	+0.1	+0.1	+0.0	23.4	46.0	-22.6	Black
^	503.421k	41.4	+0.2	+6.2	+0.1	+0.1	+0.0	48.0	46.0	+2.0	Black
^	507.784k	37.1	+0.2	+6.2	+0.1	+0.1	+0.0	43.7	46.0	-2.3	Black
52 Ave	576.869k	15.1	+0.2	+6.1	+0.1	+0.1	+0.0	21.6	46.0	-24.4	Black
^	576.869k	42.8	+0.2	+6.1	+0.1	+0.1	+0.0	49.3	46.0	+3.3	Black

54	722.310k Ave	14.3	+0.1	+6.1	+0.1	+0.1	+0.0	20.7	46.0	-25.3	Black
^	722.310k	40.8	+0.1	+6.1	+0.1	+0.1	+0.0	47.2	46.0	+1.2	Black
56	595.049k Ave	12.4	+0.2	+6.1	+0.1	+0.1	+0.0	18.9	46.0	-27.1	Black
^	595.049k	43.0	+0.2	+6.1	+0.1	+0.1	+0.0	49.5	46.0	+3.5	Black
58	364.001k Ave	14.5	+0.2	+6.2	+0.1	+0.0	+0.0	21.0	48.6	-27.6	Black
^	363.070k	39.6	+0.2	+6.2	+0.1	+0.0	+0.0	46.1	48.7	-2.6	Black
60	301.258k Ave	10.5	+0.2	+6.2	+0.1	+0.1	+0.0	17.1	50.2	-33.1	Black
^	301.258k	44.2	+0.2	+6.2	+0.1	+0.1	+0.0	50.8	50.2	+0.6	Black



Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.207 COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	05:43:46
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	53
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receive in 802.11g mode, middle channel. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L2) Insertion Loss 00847 EMCO 3816/2NM

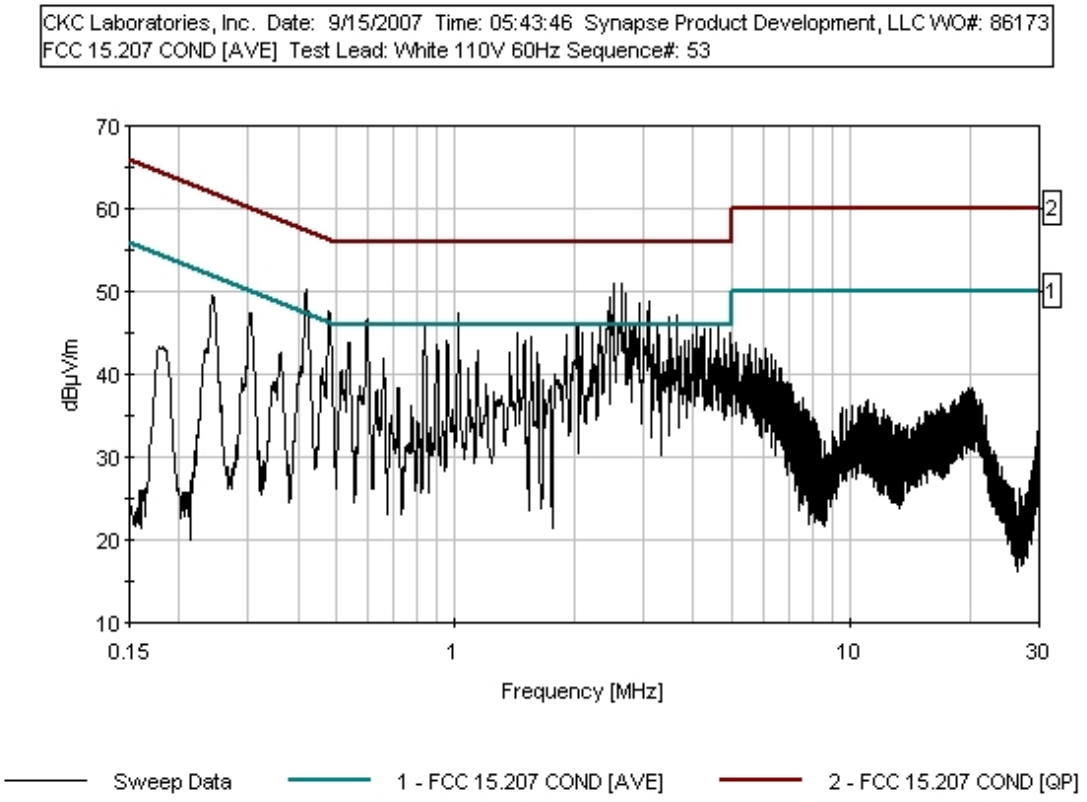
Measurement Data: Reading listed by margin. Test Lead: White

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.165M	36.9	+0.1	+6.2	+0.1	+0.2	+0.0	43.5	46.0	-2.5	White
2	3.710M	36.7	+0.1	+6.2	+0.2	+0.2	+0.0	43.4	46.0	-2.6	White
3	304.895k	40.8	+0.2	+6.2	+0.1	+0.1	+0.0	47.4	50.1	-2.7	White
4	4.109M	36.3	+0.1	+6.2	+0.2	+0.2	+0.0	43.0	46.0	-3.0	White
5	1.137M	36.6	+0.1	+6.1	+0.0	+0.1	+0.0	42.9	46.0	-3.1	White

6	1.379M	36.3	+0.1	+6.1	+0.0	+0.1	+0.0	42.6	46.0	-3.4	White
7	1.617M	36.2	+0.1	+6.1	+0.1	+0.1	+0.0	42.6	46.0	-3.4	White
8	4.849M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	46.0	-3.6	White
9	4.552M	35.4	+0.1	+6.2	+0.2	+0.2	+0.0	42.1	46.0	-3.9	White
10	4.364M	35.2	+0.1	+6.2	+0.2	+0.2	+0.0	41.9	46.0	-4.1	White
11	659.044k	35.3	+0.2	+6.1	+0.1	+0.1	+0.0	41.8	46.0	-4.2	White
12	4.666M	35.1	+0.1	+6.2	+0.2	+0.2	+0.0	41.8	46.0	-4.2	White
13	2.259M	34.7	+0.1	+6.2	+0.1	+0.2	+0.0	41.3	46.0	-4.7	White
14	1.081M	34.3	+0.1	+6.1	+0.0	+0.1	+0.0	40.6	46.0	-5.4	White
15	4.909M	33.9	+0.1	+6.2	+0.2	+0.2	+0.0	40.6	46.0	-5.4	White
16	515.057k	33.9	+0.2	+6.2	+0.1	+0.1	+0.0	40.5	46.0	-5.5	White
17	4.883M	33.6	+0.1	+6.2	+0.2	+0.2	+0.0	40.3	46.0	-5.7	White
18	360.890k	36.0	+0.2	+6.2	+0.1	+0.1	+0.0	42.6	48.7	-6.1	White
19	1.783M	33.5	+0.1	+6.1	+0.1	+0.1	+0.0	39.9	46.0	-6.1	White
20	5.148M	37.2	+0.1	+6.2	+0.2	+0.2	+0.0	43.9	50.0	-6.1	White
21	5.024M	36.8	+0.1	+6.2	+0.2	+0.2	+0.0	43.5	50.0	-6.5	White
22	5.562M	36.8	+0.1	+6.2	+0.2	+0.2	+0.0	43.5	50.0	-6.5	White
23	1.677M	33.0	+0.1	+6.1	+0.1	+0.1	+0.0	39.4	46.0	-6.6	White
24	5.743M	36.4	+0.1	+6.2	+0.2	+0.2	+0.0	43.1	50.0	-6.9	White
25	6.094M	36.2	+0.1	+6.2	+0.2	+0.3	+0.0	43.0	50.0	-7.0	White
26	1.200M	32.6	+0.1	+6.1	+0.0	+0.1	+0.0	38.9	46.0	-7.1	White
27	5.202M	35.9	+0.1	+6.2	+0.2	+0.2	+0.0	42.6	50.0	-7.4	White
28	1.736M	32.1	+0.1	+6.1	+0.1	+0.1	+0.0	38.5	46.0	-7.5	White
29	715.766k	32.0	+0.1	+6.1	+0.1	+0.1	+0.0	38.4	46.0	-7.6	White
30	5.382M	35.7	+0.1	+6.2	+0.2	+0.2	+0.0	42.4	50.0	-7.6	White

31	5.508M	35.6	+0.1	+6.2	+0.2	+0.2	+0.0	42.3	50.0	-7.7	White
32	6.274M	35.5	+0.1	+6.2	+0.2	+0.3	+0.0	42.3	50.0	-7.7	White
33	2.634M Ave	20.7	+0.1	+6.2	+0.1	+0.2	+0.0	27.3	46.0	-18.7	White
^	2.634M	44.4	+0.1	+6.2	+0.1	+0.2	+0.0	51.0	46.0	+5.0	White
35	477.324k Ave	21.0	+0.2	+6.2	+0.1	+0.1	+0.0	27.6	46.4	-18.8	White
^	480.152k	41.0	+0.2	+6.2	+0.1	+0.1	+0.0	47.6	46.3	+1.3	White
^	477.324k	37.5	+0.2	+6.2	+0.1	+0.1	+0.0	44.1	46.4	-2.3	White
38	271.045k Ave	25.7	+0.2	+6.1	+0.1	+0.1	+0.0	32.2	51.1	-18.9	White
^	271.045k	42.3	+0.2	+6.1	+0.1	+0.1	+0.0	48.8	51.1	-2.3	White
40	2.510M Ave	20.5	+0.1	+6.2	+0.1	+0.2	+0.0	27.1	46.0	-18.9	White
^	2.510M	44.4	+0.1	+6.2	+0.1	+0.2	+0.0	51.0	46.0	+5.0	White
42	477.324k Ave	20.7	+0.2	+6.2	+0.1	+0.1	+0.0	27.3	46.4	-19.1	White
43	480.152k Ave	20.3	+0.2	+6.2	+0.1	+0.1	+0.0	26.9	46.3	-19.4	White
44	2.812M Ave	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	White
^	2.812M	39.3	+0.1	+6.2	+0.1	+0.2	+0.0	45.9	46.0	-0.1	White
46	2.931M Ave	17.8	+0.1	+6.2	+0.1	+0.2	+0.0	24.4	46.0	-21.6	White
^	2.931M	42.0	+0.1	+6.2	+0.1	+0.2	+0.0	48.6	46.0	+2.6	White
48	2.872M Ave	17.7	+0.1	+6.2	+0.1	+0.2	+0.0	24.3	46.0	-21.7	White
^	2.872M	39.1	+0.1	+6.2	+0.1	+0.2	+0.0	45.7	46.0	-0.3	White
50	3.467M Ave	17.6	+0.1	+6.2	+0.2	+0.2	+0.0	24.3	46.0	-21.7	White
^	3.467M	40.3	+0.1	+6.2	+0.2	+0.2	+0.0	47.0	46.0	+1.0	White
52	3.233M Ave	17.0	+0.1	+6.2	+0.1	+0.2	+0.0	23.6	46.0	-22.4	White
^	3.233M	39.6	+0.1	+6.2	+0.1	+0.2	+0.0	46.2	46.0	+0.2	White
54	4.067M Ave	16.4	+0.1	+6.2	+0.2	+0.2	+0.0	23.1	46.0	-22.9	White
^	4.067M	39.4	+0.1	+6.2	+0.2	+0.2	+0.0	46.1	46.0	+0.1	White

56	4.250M Ave	16.3	+0.1	+6.2	+0.2	+0.2	+0.0	23.0	46.0	-23.0	White
^	4.250M	38.7	+0.1	+6.2	+0.2	+0.2	+0.0	45.4	46.0	-0.6	White
58	3.650M Ave	16.3	+0.1	+6.2	+0.2	+0.2	+0.0	23.0	46.0	-23.0	White
^	3.650M	40.4	+0.1	+6.2	+0.2	+0.2	+0.0	47.1	46.0	+1.1	White
60	3.110M Ave	15.8	+0.1	+6.2	+0.1	+0.2	+0.0	22.4	46.0	-23.6	White
^	3.110M	42.1	+0.1	+6.2	+0.1	+0.2	+0.0	48.7	46.0	+2.7	White
62	557.058k Ave	15.7	+0.2	+6.1	+0.1	+0.1	+0.0	22.2	46.0	-23.8	White
63	953.754k Ave	15.0	+0.1	+6.1	+0.0	+0.1	+0.0	21.3	46.0	-24.7	White
^	953.754k	37.8	+0.1	+6.1	+0.0	+0.1	+0.0	44.1	46.0	-1.9	White
65	2.038M Ave	14.8	+0.1	+6.1	+0.1	+0.1	+0.0	21.2	46.0	-24.8	White
^	2.038M	39.5	+0.1	+6.1	+0.1	+0.1	+0.0	45.9	46.0	-0.1	White
67	619.111k Ave	12.2	+0.2	+6.1	+0.1	+0.1	+0.0	18.7	46.0	-27.3	White
68	1.018M Ave	12.2	+0.1	+6.1	+0.0	+0.1	+0.0	18.5	46.0	-27.5	White
^	1.018M	41.2	+0.1	+6.1	+0.0	+0.1	+0.0	47.5	46.0	+1.5	White
70	420.521k Ave	12.7	+0.2	+6.2	+0.1	+0.1	+0.0	19.3	47.4	-28.1	White
^	420.521k	43.6	+0.2	+6.2	+0.1	+0.1	+0.0	50.2	47.4	+2.8	White
72	561.457k Ave	11.2	+0.2	+6.1	+0.1	+0.1	+0.0	17.7	46.0	-28.3	White
73	837.210k Ave	10.4	+0.1	+6.1	+0.0	+0.1	+0.0	16.7	46.0	-29.3	White
^	837.210k	39.7	+0.1	+6.1	+0.0	+0.1	+0.0	46.0	46.0	+0.0	White
75	597.959k Ave	8.0	+0.2	+6.1	+0.1	+0.1	+0.0	14.5	46.0	-31.5	White
^	597.959k	40.1	+0.2	+6.1	+0.1	+0.1	+0.0	46.6	46.0	+0.6	White


CKC Laboratories, Inc. Date: 9/15/2007 Time: 05:43:46 Synapse Product Development, LLC WO#: 86173
FCC 15.207 COND [AVE] Test Lead: White 110V 60Hz Sequence#: 53
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60
50
40
30
20
10
dBµV/m
0.15
1
10
30
Frequency [MHz]
2
1
Sweep Data
1 - FCC 15.207 COND [AVE]
2 - FCC 15.207 COND [QP]

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.207 COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	07:16:27
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	55
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receives. Hopping, transmit audio data in Bluetooth signal. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

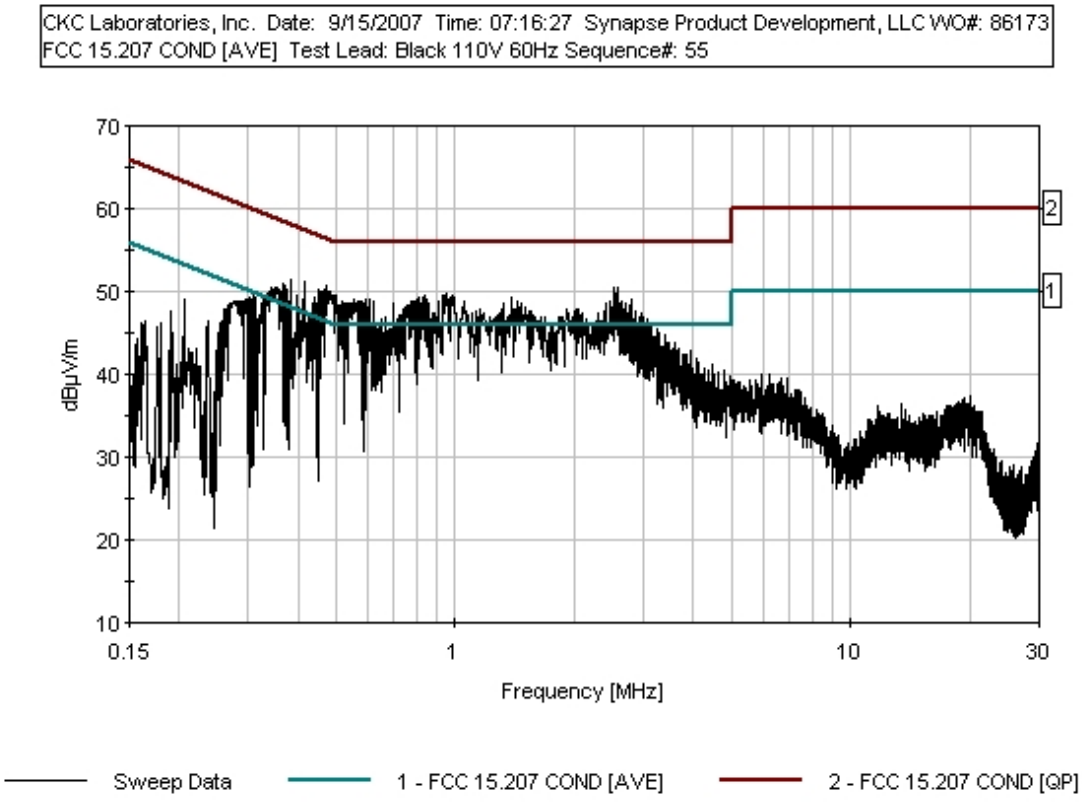
T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM

Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	388.331k Ave	31.9	+0.2	+6.2	+0.1	+0.0	+0.0	38.4	48.1	-9.7	Black
2	398.703k Ave	30.0	+0.2	+6.2	+0.1	+0.0	+0.0	36.5	47.9	-11.4	Black
^	398.704k	43.0	+0.2	+6.2	+0.1	+0.0	+0.0	49.5	47.9	+1.6	Black
4	444.926k Ave	28.7	+0.2	+6.2	+0.1	+0.0	+0.0	35.2	47.0	-11.8	Black
5	616.433k Ave	26.8	+0.2	+6.1	+0.1	+0.1	+0.0	33.3	46.0	-12.7	Black

6 Ave	742.672k	26.5	+0.1	+6.1	+0.1	+0.1	+0.0	32.9	46.0	-13.1	Black
^	742.672k	41.4	+0.1	+6.1	+0.1	+0.1	+0.0	47.8	46.0	+1.8	Black
8 Ave	622.683k	24.7	+0.2	+6.1	+0.1	+0.1	+0.0	31.2	46.0	-14.8	Black
^	622.683k	40.4	+0.2	+6.1	+0.1	+0.1	+0.0	46.9	46.0	+0.9	Black
10 Ave	388.331k	26.4	+0.2	+6.2	+0.1	+0.0	+0.0	32.9	48.1	-15.2	Black
^	388.331k	45.0	+0.2	+6.2	+0.1	+0.0	+0.0	51.5	48.1	+3.4	Black
^	384.159k	42.8	+0.2	+6.2	+0.1	+0.0	+0.0	49.3	48.2	+1.1	Black
13 Ave	384.159k	26.1	+0.2	+6.2	+0.1	+0.0	+0.0	32.6	48.2	-15.6	Black
14 Ave	2.765M	23.3	+0.1	+6.2	+0.1	+0.2	+0.0	29.9	46.0	-16.1	Black
^	2.765M	41.8	+0.1	+6.2	+0.1	+0.2	+0.0	48.4	46.0	+2.4	Black
16 Ave	2.778M	23.0	+0.1	+6.2	+0.1	+0.2	+0.0	29.6	46.0	-16.4	Black
^	2.778M	42.5	+0.1	+6.2	+0.1	+0.2	+0.0	49.1	46.0	+3.1	Black
18 Ave	2.591M	23.0	+0.1	+6.2	+0.1	+0.2	+0.0	29.6	46.0	-16.4	Black
^	2.591M	43.8	+0.1	+6.2	+0.1	+0.2	+0.0	50.4	46.0	+4.4	Black
20 Ave	439.427k	23.3	+0.2	+6.2	+0.1	+0.0	+0.0	29.8	47.1	-17.3	Black
^	439.427k	42.7	+0.2	+6.2	+0.1	+0.0	+0.0	49.2	47.1	+2.1	Black
^	437.973k	42.1	+0.2	+6.2	+0.1	+0.0	+0.0	48.6	47.1	+1.5	Black
23 Ave	1.468M	21.8	+0.1	+6.1	+0.0	+0.1	+0.0	28.1	46.0	-17.9	Black
^	1.468M	42.2	+0.1	+6.1	+0.0	+0.1	+0.0	48.5	46.0	+2.5	Black
25 Ave	1.103M	21.3	+0.1	+6.1	+0.0	+0.1	+0.0	27.6	46.0	-18.4	Black
^	1.103M	41.1	+0.1	+6.1	+0.0	+0.1	+0.0	47.4	46.0	+1.4	Black
27 Ave	552.144k	20.9	+0.2	+6.1	+0.1	+0.1	+0.0	27.4	46.0	-18.6	Black
^	552.144k	42.5	+0.2	+6.1	+0.1	+0.1	+0.0	49.0	46.0	+3.0	Black
29 Ave	3.063M	20.7	+0.1	+6.2	+0.1	+0.2	+0.0	27.3	46.0	-18.7	Black
^	3.063M	40.0	+0.1	+6.2	+0.1	+0.2	+0.0	46.6	46.0	+0.6	Black

31	1.919M Ave	20.0	+0.1	+6.1	+0.1	+0.1	+0.0	26.4	46.0	-19.6	Black
^	1.919M	41.4	+0.1	+6.1	+0.1	+0.1	+0.0	47.8	46.0	+1.8	Black
33	852.480k Ave	20.0	+0.1	+6.1	+0.0	+0.1	+0.0	26.3	46.0	-19.7	Black
^	852.480k	42.3	+0.1	+6.1	+0.0	+0.1	+0.0	48.6	46.0	+2.6	Black
35	797.212k Ave	19.5	+0.1	+6.1	+0.1	+0.1	+0.0	25.9	46.0	-20.1	Black
^	797.212k	42.7	+0.1	+6.1	+0.1	+0.1	+0.0	49.1	46.0	+3.1	Black
37	415.429k Ave	20.6	+0.2	+6.2	+0.1	+0.0	+0.0	27.1	47.5	-20.4	Black
^	415.429k	44.6	+0.2	+6.2	+0.1	+0.0	+0.0	51.1	47.5	+3.6	Black
39	591.413k Ave	18.7	+0.2	+6.1	+0.1	+0.1	+0.0	25.2	46.0	-20.8	Black
^	591.413k	42.5	+0.2	+6.1	+0.1	+0.1	+0.0	49.0	46.0	+3.0	Black
41	365.979k Ave	20.7	+0.2	+6.2	+0.1	+0.0	+0.0	27.2	48.6	-21.4	Black
^	365.979k	44.0	+0.2	+6.2	+0.1	+0.0	+0.0	50.5	48.6	+1.9	Black
43	605.957k Ave	16.8	+0.2	+6.1	+0.1	+0.1	+0.0	23.3	46.0	-22.7	Black
^	605.957k	42.6	+0.2	+6.1	+0.1	+0.1	+0.0	49.1	46.0	+3.1	Black
45	512.148k Ave	14.2	+0.2	+6.2	+0.1	+0.1	+0.0	20.8	46.0	-25.2	Black
^	512.148k	41.7	+0.2	+6.2	+0.1	+0.1	+0.0	48.3	46.0	+2.3	Black


CKC Laboratories, Inc. Date: 9/15/2007 Time: 07:16:27 Synapse Product Development, LLC WO#: 86173
FCC 15.207 COND [AVE] Test Lead: Black 110V 60Hz Sequence#: 55
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50
40
30
20
10
dBµV/m
0.15
1
10
30
Frequency [MHz]
2
1
Sweep Data
1 - FCC 15.207 COND [AVE]
2 - FCC 15.207 COND [QP]

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.207 COND [AVE]**		
Work Order #:	**86173**	Date:	9/15/2007
Test Type:	**Conducted Emissions**	Time:	07:36:37
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	56
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AM		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
LISN	1104	11/10/2006	11/10/2008	00847
6dB Attenuator	None	11/21/2006	11/21/2008	P05611
150kHz HPF	G7755	01/30/2006	01/30/2008	02610
Conducted Emission Cable	Cable #21	05/09/2006	05/09/2008	P04358

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101AM	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit and receives. Hopping, transmit audio data in Bluetooth signal. Display and hard drives are exercised. 23°C, 49% relative humidity. Cost reduced Power supply design.

Transducer Legend:

T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L2) Insertion Loss 00847 EMCO 3816/2NM

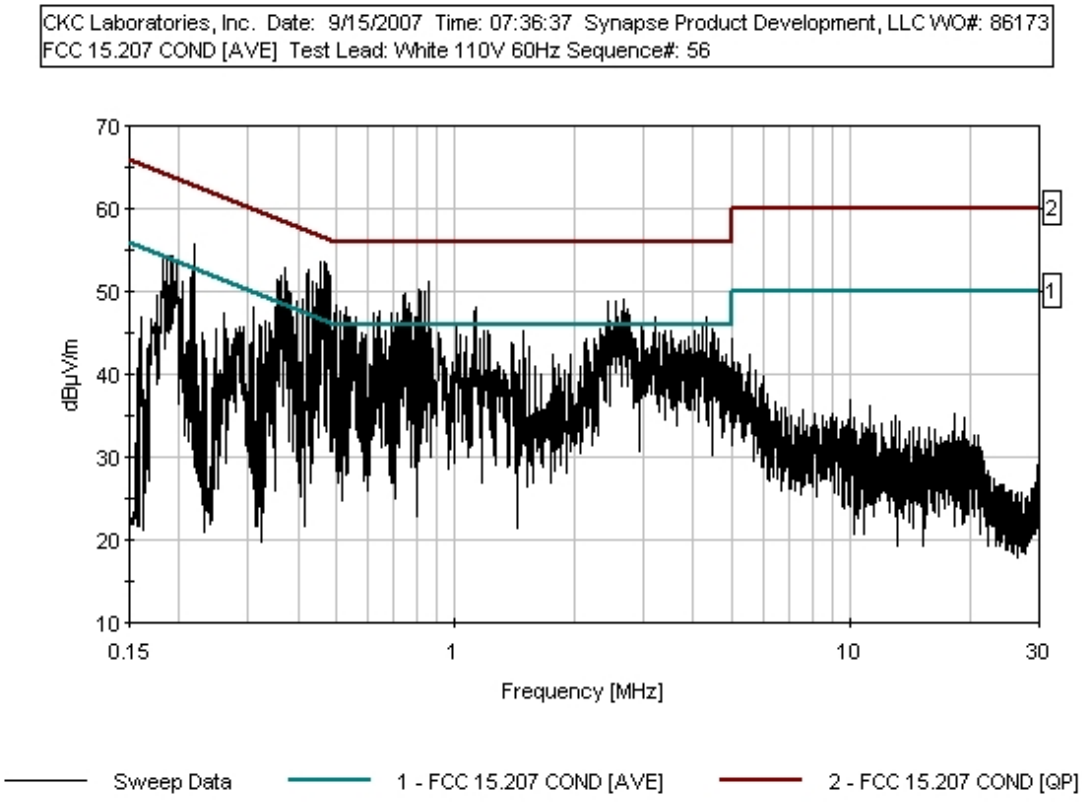
Measurement Data: Reading listed by margin. Test Lead: White

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 Ave	159.859k	32.6	+0.6	+6.2	+0.1	+0.2	+0.0	39.7	55.5	-15.8	White
^	159.859k	48.0	+0.6	+6.2	+0.1	+0.2	+0.0	55.1	55.5	-0.4	White
3 Ave	2.621M	19.6	+0.1	+6.2	+0.1	+0.2	+0.0	26.2	46.0	-19.8	White
^	2.621M	39.7	+0.1	+6.2	+0.1	+0.2	+0.0	46.3	46.0	+0.3	White

5	2.472M Ave	18.9	+0.1	+6.2	+0.1	+0.2	+0.0	25.5	46.0	-20.5	White
^	2.472M	39.1	+0.1	+6.2	+0.1	+0.2	+0.0	45.7	46.0	-0.3	White
7	510.693k Ave	17.2	+0.2	+6.2	+0.1	+0.1	+0.0	23.8	46.0	-22.2	White
^	510.693k	41.1	+0.2	+6.2	+0.1	+0.1	+0.0	47.7	46.0	+1.7	White
9	2.668M Ave	17.1	+0.1	+6.2	+0.1	+0.2	+0.0	23.7	46.0	-22.3	White
^	2.668M	42.5	+0.1	+6.2	+0.1	+0.2	+0.0	49.1	46.0	+3.1	White
11	621.956k Ave	14.1	+0.2	+6.1	+0.1	+0.1	+0.0	20.6	46.0	-25.4	White
^	621.956k	41.0	+0.2	+6.1	+0.1	+0.1	+0.0	47.5	46.0	+1.5	White
13	472.151k Ave	14.4	+0.2	+6.2	+0.1	+0.1	+0.0	21.0	46.5	-25.5	White
^	472.151k	46.7	+0.2	+6.2	+0.1	+0.1	+0.0	53.3	46.5	+6.8	White
^	474.333k	39.6	+0.2	+6.2	+0.1	+0.1	+0.0	46.2	46.4	-0.2	White
16	1.115M Ave	13.9	+0.1	+6.1	+0.0	+0.1	+0.0	20.2	46.0	-25.8	White
^	1.115M	41.4	+0.1	+6.1	+0.0	+0.1	+0.0	47.7	46.0	+1.7	White
18	484.514k Ave	13.5	+0.2	+6.2	+0.1	+0.1	+0.0	20.1	46.3	-26.2	White
19	792.122k Ave	13.1	+0.1	+6.1	+0.1	+0.1	+0.0	19.5	46.0	-26.5	White
^	792.122k	40.4	+0.1	+6.1	+0.1	+0.1	+0.0	46.8	46.0	+0.8	White
21	745.581k Ave	12.5	+0.1	+6.1	+0.1	+0.1	+0.0	18.9	46.0	-27.1	White
^	745.581k	43.3	+0.1	+6.1	+0.1	+0.1	+0.0	49.7	46.0	+3.7	White
23	484.514k Ave	12.5	+0.2	+6.2	+0.1	+0.1	+0.0	19.1	46.3	-27.2	White
^	484.514k	45.3	+0.2	+6.2	+0.1	+0.1	+0.0	51.9	46.3	+5.6	White
25	2.748M Ave	11.8	+0.1	+6.2	+0.1	+0.2	+0.0	18.4	46.0	-27.6	White
^	2.748M	38.8	+0.1	+6.2	+0.1	+0.2	+0.0	45.4	46.0	-0.6	White
27	4.207M Ave	11.5	+0.1	+6.2	+0.2	+0.2	+0.0	18.2	46.0	-27.8	White
^	4.207M	39.1	+0.1	+6.2	+0.2	+0.2	+0.0	45.8	46.0	-0.2	White

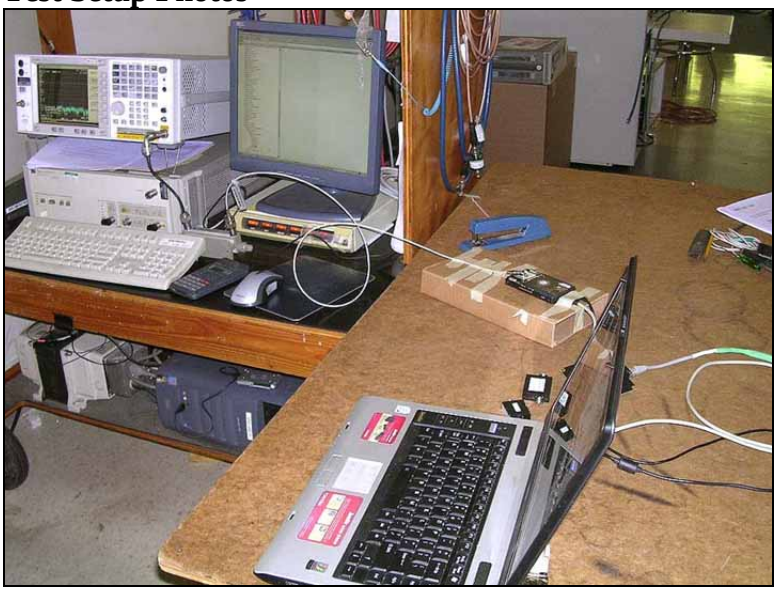
29	4.330M Ave	11.0	+0.1	+6.2	+0.2	+0.2	+0.0	17.7	46.0	-28.3	White
^	4.330M	40.3	+0.1	+6.2	+0.2	+0.2	+0.0	47.0	46.0	+1.0	White
31	371.070k Ave	12.3	+0.2	+6.2	+0.1	+0.1	+0.0	18.9	48.5	-29.6	White
^	371.070k	46.2	+0.2	+6.2	+0.1	+0.1	+0.0	52.8	48.5	+4.3	White
^	371.070k	39.8	+0.2	+6.2	+0.1	+0.1	+0.0	46.4	48.5	-2.1	White
34	811.029k Ave	10.0	+0.1	+6.1	+0.1	+0.1	+0.0	16.4	46.0	-29.6	White
^	811.029k	43.9	+0.1	+6.1	+0.1	+0.1	+0.0	50.3	46.0	+4.3	White
36	686.677k Ave	9.6	+0.2	+6.1	+0.1	+0.1	+0.0	16.1	46.0	-29.9	White
^	686.677k	41.0	+0.2	+6.1	+0.1	+0.1	+0.0	47.5	46.0	+1.5	White
38	456.880k Ave	10.1	+0.2	+6.2	+0.1	+0.1	+0.0	16.7	46.7	-30.0	White
^	456.880k	46.9	+0.2	+6.2	+0.1	+0.1	+0.0	53.5	46.7	+6.8	White
40	821.210k Ave	8.6	+0.1	+6.1	+0.1	+0.1	+0.0	15.0	46.0	-31.0	White
^	821.210k	43.6	+0.1	+6.1	+0.1	+0.1	+0.0	50.0	46.0	+4.0	White
42	840.117k Ave	8.4	+0.1	+6.1	+0.0	+0.1	+0.0	14.7	46.0	-31.3	White
^	840.118k	43.8	+0.1	+6.1	+0.0	+0.1	+0.0	50.1	46.0	+4.1	White
44	544.145k Ave	7.6	+0.2	+6.1	+0.1	+0.1	+0.0	14.1	46.0	-31.9	White
^	544.145k	40.5	+0.2	+6.1	+0.1	+0.1	+0.0	47.0	46.0	+1.0	White
^	540.509k	39.1	+0.2	+6.1	+0.1	+0.1	+0.0	45.6	46.0	-0.4	White
47	424.156k Ave	8.7	+0.2	+6.2	+0.1	+0.1	+0.0	15.3	47.4	-32.1	White
^	424.156k	46.0	+0.2	+6.2	+0.1	+0.1	+0.0	52.6	47.4	+5.2	White
49	362.343k Ave	9.3	+0.2	+6.2	+0.1	+0.1	+0.0	15.9	48.7	-32.8	White
^	362.343k	45.3	+0.2	+6.2	+0.1	+0.1	+0.0	51.9	48.7	+3.2	White
51	4.475M Ave	5.1	+0.1	+6.2	+0.2	+0.2	+0.0	11.8	46.0	-34.2	White
^	4.475M	38.8	+0.1	+6.2	+0.2	+0.2	+0.0	45.5	46.0	-0.5	White
53	4.475M Ave	5.1	+0.1	+6.2	+0.2	+0.2	+0.0	11.8	46.0	-34.2	White

54 Ave	197.995k	7.6	+0.2	+6.1	+0.1	+0.2	+0.0	14.2	53.7	-39.5	White
^	197.995k	46.7	+0.2	+6.1	+0.1	+0.2	+0.0	53.3	53.7	-0.4	White
^	196.540k	46.6	+0.2	+6.1	+0.1	+0.2	+0.0	53.2	53.8	-0.6	White
57 Ave	192.904k	7.2	+0.2	+6.1	+0.1	+0.2	+0.0	13.8	53.9	-40.1	White
^	192.904k	47.7	+0.2	+6.1	+0.1	+0.2	+0.0	54.3	53.9	+0.4	White
59 Ave	186.359k	6.8	+0.2	+6.1	+0.1	+0.2	+0.0	13.4	54.2	-40.8	White
^	186.359k	47.3	+0.2	+6.1	+0.1	+0.2	+0.0	53.9	54.2	-0.3	White
^	181.996k	47.2	+0.3	+6.1	+0.1	+0.2	+0.0	53.9	54.4	-0.5	White



FCC 15.209/15.247(d) – ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Setup Photos



Test Data Sheets

Test Location:	CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112		
Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247(d) Conducted Spurious Emissions**		
Work Order #:	**86173**	Date:	9/4/2007
Test Type:	**Conducted Emissions**	Time:	10:13:35
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	12
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the test bench, USB port is connected to an AC power supply. The EUT is operating on Max power. RF emission profile evaluated at the internal antenna connector. Mode: Transmit. Digital power setting code = 20. Modulation: 802.11g (54 mbs OFDM-64QAM). Modulation: 802.11b (11mbs QPSK). Frequency: 2412 MHz, 2437MHz, 2462MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions were detected, noise floor level recorded.

Transducer Legend:

T1=SMA-cable_W_05183-011109-26GHz

Measurement Data: Reading listed by margin. Test Lead: Antenna Terminal

#	Freq MHz	Rdng dBµV	T1 dB	dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4877.800M	53.8	+2.0				+0.0	55.8	88.7	-32.9	Anten
2	4837.700M	51.8	+2.0				+0.0	53.8	88.7	-34.9	Anten
3	4922.700M	52.1					+0.0	52.1	88.7	-36.6	Anten
4	4873.000M	46.3	+2.0				+0.0	48.3	88.7	-40.4	Anten
5	4821.000M	45.3	+2.0				+0.0	47.3	88.7	-41.4	Anten
6	4849.300M	43.1	+2.0				+0.0	45.1	88.7	-43.6	Anten

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247(d) Conducted Spurious Emissions**		
Work Order #:	**86173**	Date:	9/4/2007
Test Type:	**Conducted Emissions**	Time:	16:42:40
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	12
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		110V 60Hz
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the test bench. USB port is connected to an AC power supply. The EUT is operating on Max power. RF emission profile evaluated at the internal antenna connector. Mode: Transmit. Digital power setting code = 63. Frequency: 2402 MHz, 2441MHz, 2480MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions were detected, noise floor level recorded.

Transducer Legend:

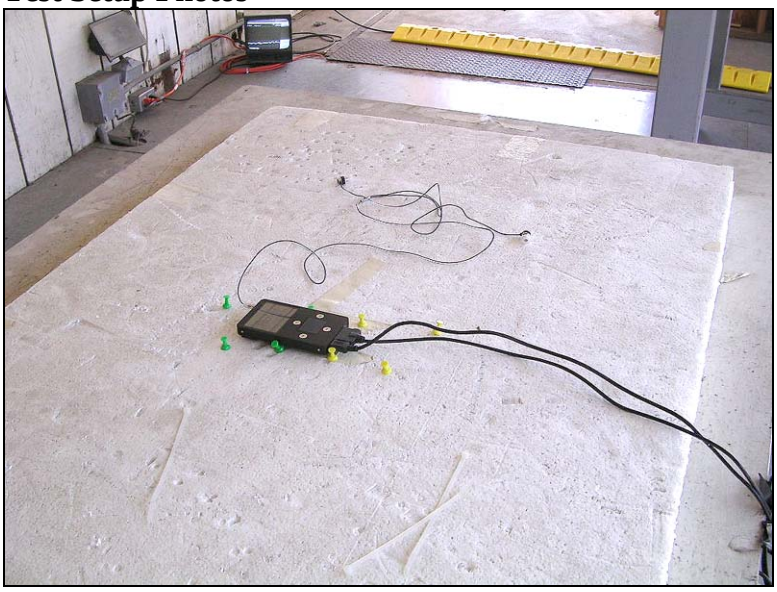
T1=SMA-cable_W_05183-011109-26GHz

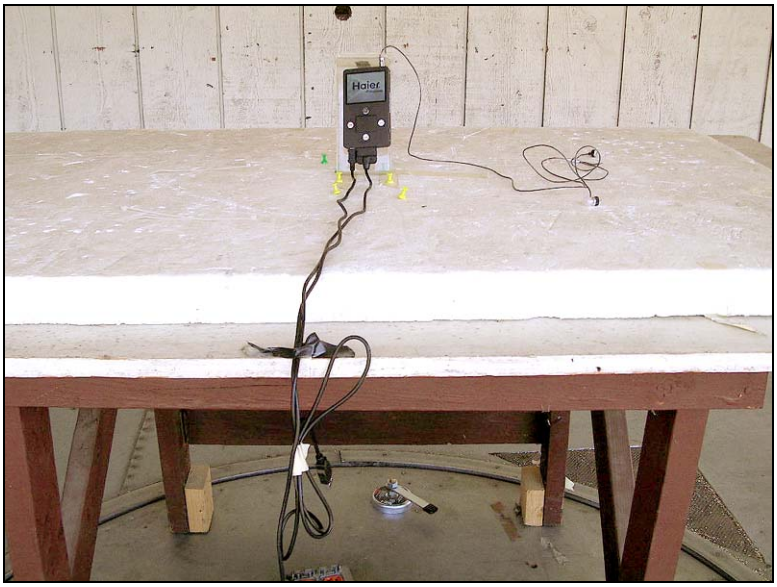
Measurement Data: Reading listed by margin. Test Lead: Antenna Terminal

#	Freq MHz	Rdng dBµV	T1 dB	dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4804.000M	52.5	+2.0				+0.0	54.5	88.7	-34.2	Anten
2	4881.670M	51.3	+2.0				+0.0	53.3	88.7	-35.4	Anten
3	4960.000M	50.2	+2.1				+0.0	52.3	88.7	-36.4	Anten

FCC 15.209/15.247(d) – OATS RADIATED SPURIOUS EMISSIONS

Test Setup Photos





Test Data Sheets

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/31/2007
Test Type:	**Radiated Scan**	Time:	09:58:44
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	5
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 20. Modulation: 802.11g (54 mbs OFDM-64QAM). Frequency: 2412MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	4824.920M	39.8	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	42.8	54.0	-11.2	Horiz
2	141.500M	45.8	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	31.7	43.5	-11.8	Horiz
3	166.380M	46.7	-27.7 +0.0 +0.0	+9.9 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	31.5	43.5	-12.0	Horiz
4	239.980M	46.5	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	33.7	46.0	-12.3	Horiz
5	120.336M	45.1	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	31.1	43.5	-12.4	Vert
6	651.774M	34.8	-27.1 +0.0 +0.0	+20.4 +0.0	+0.5 +0.0	+4.9 +0.0	+0.0	33.5	46.0	-12.5	Horiz
7	188.158M	46.8	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	30.8	43.5	-12.7	Vert

8	266.350M	44.6	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	32.9	46.0	-13.1	Horiz
9	161.200M	45.4	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	30.3	43.5	-13.2	Horiz
10	178.809M	45.5	-27.7 +0.0 +0.0	+9.1 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	29.6	43.5	-13.9	Vert
11	4824.920M	37.0	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	40.0	54.0	-14.0	Vert
12	832.030M	29.9	-27.1 +0.0 +0.0	+22.8 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	31.8	46.0	-14.2	Vert
13	173.880M	44.4	-27.7 +0.0 +0.0	+9.5 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	28.9	43.5	-14.6	Horiz
14	400.000M	39.1	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	31.2	46.0	-14.8	Vert
15	299.980M	41.0	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	30.0	46.0	-16.0	Vert
16	256.030M	38.8	-27.7 +0.0 +0.0	+12.6 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	26.9	46.0	-19.1	Horiz
17	433.980M	33.4	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	26.7	46.0	-19.3	Vert
18	490.430M	31.4	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	26.2	46.0	-19.8	Vert
19	417.800M	32.4	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	25.2	46.0	-20.8	Vert
20	171.788M	37.0	-27.7 +0.0 +0.0	+9.6 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	21.6	43.5	-21.9	Horiz

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/31/2007
Test Type:	**Radiated Scan**	Time:	10:55:49
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	4
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 20. Modulation: 802.11g (54 mbs OFDM-64QAM). Frequency: 2437MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	152.113M QP	50.9	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	36.4	43.5	-7.1	Horiz
^	152.113M	52.6	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	38.1	43.5	-5.4	Horiz
3	851.367M	34.4	-27.1 +0.0 +0.0	+23.3 +0.0	+0.6 +0.0	+5.7 +0.0	+0.0	36.9	46.0	-9.1	Horiz
4	736.030M	35.5	-27.0 +0.0 +0.0	+21.8 +0.0	+0.5 +0.0	+5.2 +0.0	+0.0	36.0	46.0	-10.0	Vert
5	161.050M	48.5	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	33.4	43.5	-10.1	Horiz
6	145.280M	46.7	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	32.5	43.5	-11.0	Horiz
7	4875.580M	39.6	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.2	+0.0 +0.3	+0.0	42.8	54.0	-11.2	Horiz
8	4875.300M	39.4	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.2	+0.0 +0.3	+0.0	42.6	54.0	-11.4	Vert
9	174.100M	47.0	-27.7 +0.0 +0.0	+9.4 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	31.4	43.5	-12.1	Horiz
10	832.030M	30.6	-27.1 +0.0 +0.0	+22.8 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	32.5	46.0	-13.5	Vert
11	120.330M	42.8	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	28.8	43.5	-14.7	Vert
12	399.970M	39.0	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	31.1	46.0	-14.9	Vert
13	433.680M	37.0	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	30.3	46.0	-15.7	Vert

14	465.580M	35.9	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	30.2	46.0	-15.8	Vert
15	505.850M	34.5	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	29.7	46.0	-16.3	Vert
16	444.280M	35.9	-27.6 +0.0 +0.0	+17.0 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	29.7	46.0	-16.3	Vert
17	134.600M	40.8	-27.6 +0.0 +0.0	+11.4 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	27.0	43.5	-16.5	Horiz
18	650.627M	30.5	-27.1 +0.0 +0.0	+20.4 +0.0	+0.5 +0.0	+4.9 +0.0	+0.0	29.2	46.0	-16.8	Horiz
19	538.030M	31.8	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	28.6	46.0	-17.4	Vert
20	490.220M	33.2	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	28.0	46.0	-18.0	Vert
21	528.220M	31.7	-27.5 +0.0 +0.0	+19.0 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	28.0	46.0	-18.0	Horiz
22	417.820M	35.2	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	28.0	46.0	-18.0	Horiz
23	300.020M	38.9	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	27.9	46.0	-18.1	Vert
24	329.150M	37.2	-27.6 +0.0 +0.0	+14.0 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	27.3	46.0	-18.7	Vert
25	361.100M	36.3	-27.6 +0.0 +0.0	+14.8 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	27.3	46.0	-18.7	Horiz
26	278.520M	38.3	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	26.8	46.0	-19.2	Horiz
27	354.120M	35.8	-27.6 +0.0 +0.0	+14.6 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	26.6	46.0	-19.4	Horiz
28	412.470M	33.9	-27.7 +0.0 +0.0	+16.1 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	26.5	46.0	-19.5	Horiz
29	474.230M	31.7	-27.6 +0.0 +0.0	+17.6 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	26.2	46.0	-19.8	Vert

30	240.000M	38.6	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	25.8	46.0	-20.2	Vert
31	465.530M	30.7	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	25.0	46.0	-21.0	Horiz
32	458.520M	30.7	-27.6 +0.0 +0.0	+17.3 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	24.8	46.0	-21.2	Vert

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Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/31/2007
Test Type:	**Radiated Scan**	Time:	11:32:08
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	3
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 20. Modulation: 802.11g (54 mbs OFDM-64QAM). Frequency: 2462MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	161.220M	53.0	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	37.9	43.5	-5.6	Horiz
2	120.370M	49.8	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	35.8	43.5	-7.7	Horiz
3	152.167M QP	49.9	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	35.4	43.5	-8.1	Horiz
^	152.167M	52.8	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	38.3	43.5	-5.2	Horiz
5	4930.000M	39.4	+0.0 -37.7 +2.1	+0.0 +5.4	+0.0 +33.4	+0.0 +0.3	+0.0	42.9	54.0	-11.1	Vert
6	832.030M	32.9	-27.1 +0.0 +0.0	+22.8 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	34.8	46.0	-11.2	Horiz
7	166.430M	47.4	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	32.1	43.5	-11.4	Horiz
8	4923.830M	37.9	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	41.2	54.0	-12.8	Horiz
9	173.930M	45.8	-27.7 +0.0 +0.0	+9.5 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	30.3	43.5	-13.2	Horiz
10	506.050M	36.9	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	32.1	46.0	-13.9	Vert
11	400.020M	39.5	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	31.6	46.0	-14.4	Vert
12	538.180M	32.6	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	29.4	46.0	-16.6	Horiz
13	433.630M	35.9	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	29.2	46.0	-16.8	Vert

14	417.870M	36.4	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	29.2	46.0	-16.8	Horiz
15	511.520M	33.1	-27.6 +0.0 +0.0	+18.5 +0.0	+0.3 +0.0	+4.3 +0.0	+0.0	28.6	46.0	-17.4	Vert
16	300.000M	39.1	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	28.1	46.0	-17.9	Vert
17	136.320M	39.5	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	25.6	43.5	-17.9	Horiz
18	506.300M	32.8	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	28.0	46.0	-18.0	Horiz
19	479.180M	32.7	-27.6 +0.0 +0.0	+17.7 +0.0	+0.3 +0.0	+4.1 +0.0	+0.0	27.2	46.0	-18.8	Vert
20	240.000M	40.0	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	27.2	46.0	-18.8	Vert
21	265.550M	38.6	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	26.9	46.0	-19.1	Horiz
22	429.130M	33.1	-27.7 +0.0 +0.0	+16.6 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	26.3	46.0	-19.7	Vert
23	401.870M	33.1	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	25.3	46.0	-20.7	Vert
24	278.500M	36.4	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	24.9	46.0	-21.1	Horiz
25	232.870M	33.5	-27.6 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.8 +0.0	+0.0	20.2	46.0	-25.8	Vert

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/31/2007
Test Type:	**Radiated Scan**	Time:	13:38:16
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	6
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05205
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 20. Modulation: 802.11b (11mbs QPSK). Frequency: 2412MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	4824.170M	40.9	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	43.9	54.0	-10.1	Horiz
2	141.600M	45.7	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	31.6	43.5	-11.9	Horiz
3	538.020M	36.9	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	33.7	46.0	-12.3	Vert
4	208.930M	46.0	-27.6 +0.0 +0.0	+9.5 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	30.7	43.5	-12.8	Horiz
5	146.980M	44.3	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	30.1	43.5	-13.4	Horiz
6	506.270M	37.2	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	32.4	46.0	-13.6	Vert
7	4824.170M	37.3	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	40.3	54.0	-13.7	Vert
8	120.320M	42.7	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	28.7	43.5	-14.8	Vert
9	433.680M	36.8	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	30.1	46.0	-15.9	Vert
10	528.100M	33.4	-27.5 +0.0 +0.0	+19.0 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	29.7	46.0	-16.3	Horiz
11	444.180M	35.8	-27.6 +0.0 +0.0	+17.0 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	29.6	46.0	-16.4	Vert
12	161.230M	42.1	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	27.0	43.5	-16.5	Horiz
13	297.330M	39.4	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	28.4	46.0	-17.6	Horiz

14	300.030M	38.4	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	27.4	46.0	-18.6	Vert
15	265.430M	38.7	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	27.0	46.0	-19.0	Horiz
16	240.030M	39.2	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	26.4	46.0	-19.6	Vert
17	401.770M	34.0	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	26.1	46.0	-19.9	Horiz
18	532.870M	29.3	-27.5 +0.0 +0.0	+19.2 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	25.8	46.0	-20.2	Vert
19	428.420M	32.6	-27.7 +0.0 +0.0	+16.6 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	25.8	46.0	-20.2	Vert
20	417.880M	32.5	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	25.3	46.0	-20.7	Vert
21	401.970M	33.1	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	25.3	46.0	-20.7	Vert
22	417.470M	30.9	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	23.7	46.0	-22.3	Vert
23	232.820M	33.6	-27.6 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.8 +0.0	+0.0	20.3	46.0	-25.7	Vert

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/31/2007
Test Type:	**Radiated Scan**	Time:	14:12:36
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	7
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 20. Modulation: 802.11b (11mbs QPSK). Frequency: 2437MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	125.750M	51.5	-27.6 +0.0 +0.0	+11.5 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	37.7	43.5	-5.8	Horiz
2	141.530M	51.0	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	36.9	43.5	-6.6	Horiz
3	120.332M	50.4	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	36.4	43.5	-7.1	Horiz
4	152.330M	48.6	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	34.1	43.5	-9.4	Horiz
5	157.570M	48.2	-27.7 +0.0 +0.0	+10.4 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	33.4	43.5	-10.1	Horiz
6	120.510M	47.2	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	33.2	43.5	-10.3	Vert
7	139.920M	46.6	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	32.5	43.5	-11.0	Horiz
8	4872.500M	37.2	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.2	+0.0 +0.3	+0.0	40.3	54.0	-13.7	Vert
9	115.050M	44.2	-27.6 +0.0 +0.0	+11.0 +0.0	+0.3 +0.0	+1.9 +0.0	+0.0	29.8	43.5	-13.7	Horiz
10	4873.000M	36.7	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.2	+0.0 +0.3	+0.0	39.8	54.0	-14.2	Horiz
11	400.000M	39.6	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	31.7	46.0	-14.3	Vert
12	832.020M	29.7	-27.1 +0.0 +0.0	+22.8 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	31.6	46.0	-14.4	Vert

13	433.720M	37.1	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	30.4	46.0	-15.6	Vert
14	538.080M	33.5	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	30.3	46.0	-15.7	Vert
15	136.150M	40.7	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	26.8	43.5	-16.7	Horiz
16	528.250M	32.8	-27.5 +0.0 +0.0	+19.0 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	29.1	46.0	-16.9	Horiz
17	299.980M	39.5	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	28.5	46.0	-17.5	Vert
18	465.660M	33.9	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	28.2	46.0	-17.8	Vert
19	114.990M	39.6	-27.6 +0.0 +0.0	+11.0 +0.0	+0.3 +0.0	+1.9 +0.0	+0.0	25.2	43.5	-18.3	Vert
20	130.970M	38.9	-27.6 +0.0 +0.0	+11.4 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	25.1	43.5	-18.4	Vert
21	490.490M	32.4	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	27.2	46.0	-18.8	Vert
22	417.790M	33.9	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	26.7	46.0	-19.3	Vert
23	320.020M	35.0	-27.6 +0.0 +0.0	+13.7 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	24.6	46.0	-21.4	Vert
24	280.000M	35.3	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	23.8	46.0	-22.2	Vert
25	254.020M	33.9	-27.7 +0.0 +0.0	+12.6 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	22.0	46.0	-24.0	Horiz
26	161.490M	34.1	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	19.0	43.5	-24.5	Vert
27	369.840M	29.5	-27.7 +0.0 +0.0	+15.0 +0.0	+0.3 +0.0	+3.6 +0.0	+0.0	20.7	46.0	-25.3	Vert

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/31/2007
Test Type:	**Radiated Scan**	Time:	14:43:07
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	8
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 20. Modulation: 802.11b (11mbs QPSK). Frequency: 2462MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	4927.300M	39.4	+0.0 -37.7 +2.1	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	42.8	54.0	-11.2	Horiz
2	4926.900M	38.8	+0.0 -37.7 +2.1	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	42.2	54.0	-11.8	Vert
3	556.570M	35.2	-27.4 +0.0 +0.0	+19.7 +0.0	+0.5 +0.0	+4.5 +0.0	+0.0	32.5	46.0	-13.5	Vert
4	401.740M	39.8	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	31.9	46.0	-14.1	Horiz
5	433.950M	38.5	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	31.8	46.0	-14.2	Horiz
6	417.660M	38.9	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	31.7	46.0	-14.3	Horiz
7	396.480M	39.7	-27.8 +0.0 +0.0	+15.7 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	31.7	46.0	-14.3	Horiz
8	538.000M	34.5	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	31.3	46.0	-14.7	Vert
9	401.690M	37.7	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	29.8	46.0	-16.2	Vert
10	506.250M	34.0	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	29.2	46.0	-16.8	Vert
11	350.030M	36.9	-27.6 +0.0 +0.0	+14.5 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	27.6	46.0	-18.4	Vert
12	300.010M	38.5	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	27.5	46.0	-18.5	Vert
13	412.460M	34.8	-27.7 +0.0 +0.0	+16.1 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	27.4	46.0	-18.6	Horiz

14	538.230M	30.3	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	27.1	46.0	-18.9	Horiz
15	506.140M	31.7	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	26.9	46.0	-19.1	Vert
16	120.379M	38.4	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	24.4	43.5	-19.1	Vert
17	320.880M	37.1	-27.6 +0.0 +0.0	+13.8 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	26.8	46.0	-19.2	Horiz
18	144.050M	38.4	-27.7 +0.0 +0.0	+11.2 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	24.3	43.5	-19.2	Vert
19	458.330M	32.5	-27.6 +0.0 +0.0	+17.3 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	26.6	46.0	-19.4	Vert
20	417.800M	33.5	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	26.3	46.0	-19.7	Vert
21	490.290M	30.8	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	25.6	46.0	-20.4	Vert
22	610.890M	27.7	-27.3 +0.0 +0.0	+19.9 +0.0	+0.5 +0.0	+4.7 +0.0	+0.0	25.5	46.0	-20.5	Horiz
23	239.994M	38.2	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	25.4	46.0	-20.6	Vert
24	320.030M	35.1	-27.6 +0.0 +0.0	+13.7 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	24.7	46.0	-21.3	Vert
25	288.050M	35.5	-27.6 +0.0 +0.0	+13.0 +0.0	+0.2 +0.0	+3.1 +0.0	+0.0	24.2	46.0	-21.8	Vert
26	344.100M	33.5	-27.6 +0.0 +0.0	+14.4 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	24.1	46.0	-21.9	Horiz
27	279.990M	35.2	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	23.7	46.0	-22.3	Vert
28	114.910M	35.1	-27.6 +0.0 +0.0	+11.0 +0.0	+0.3 +0.0	+1.9 +0.0	+0.0	20.7	43.5	-22.8	Horiz
29	392.520M	30.9	-27.8 +0.0 +0.0	+15.6 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	22.8	46.0	-23.2	Vert

30	355.200M	31.5	-27.6 +0.0 +0.0	+14.6 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	22.3	46.0	-23.7	Vert
31	362.520M	31.1	-27.7 +0.0 +0.0	+14.8 +0.0	+0.3 +0.0	+3.6 +0.0	+0.0	22.1	46.0	-23.9	Vert
32	256.480M	32.5	-27.7 +0.0 +0.0	+12.6 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	20.6	46.0	-25.4	Horiz

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/29/2007
Test Type:	**Radiated Scan**	Time:	13:55:04
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	11
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 63 Modulation: Bluetooth. Frequency: 2402MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	141.584M	51.8	-27.7	+11.3	+0.2	+2.1	+0.0	37.7	43.5	-5.8	Horiz
	QP		+0.0	+0.0	+0.0	+0.0					
			+0.0								
^	141.584M	56.0	-27.7	+11.3	+0.2	+2.1	+0.0	41.9	43.5	-1.6	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
3	152.200M	51.0	-27.7	+10.8	+0.2	+2.2	+0.0	36.5	43.5	-7.0	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
4	157.400M	49.8	-27.7	+10.4	+0.2	+2.3	+0.0	35.0	43.5	-8.5	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
5	146.884M	48.9	-27.7	+11.1	+0.2	+2.2	+0.0	34.7	43.5	-8.8	Horiz
	QP		+0.0	+0.0	+0.0	+0.0					
			+0.0								
^	146.884M	54.0	-27.7	+11.1	+0.2	+2.2	+0.0	39.8	43.5	-3.7	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
7	161.150M	49.1	-27.7	+10.1	+0.2	+2.3	+0.0	34.0	43.5	-9.5	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
8	139.909M	47.1	-27.7	+11.3	+0.2	+2.1	+0.0	33.0	43.5	-10.5	Horiz
	QP		+0.0	+0.0	+0.0	+0.0					
			+0.0								
^	139.909M	51.3	-27.7	+11.3	+0.2	+2.1	+0.0	37.2	43.5	-6.3	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
10	120.442M	46.5	-27.6	+11.3	+0.3	+2.0	+0.0	32.5	43.5	-11.0	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
11	145.175M	45.6	-27.7	+11.1	+0.2	+2.2	+0.0	31.4	43.5	-12.1	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								
12	4803.700M	38.9	+0.0	+0.0	+0.0	+0.0	+0.0	41.9	54.0	-12.1	Vert
			-37.7	+5.3	+33.1	+0.3					
			+2.0								
13	136.208M	44.8	-27.6	+11.3	+0.3	+2.1	+0.0	30.9	43.5	-12.6	Horiz
			+0.0	+0.0	+0.0	+0.0					
			+0.0								

14	490.300M	38.3	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	33.1	46.0	-12.9	Vert
15	4803.830M	37.9	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	40.9	54.0	-13.1	Horiz
16	714.950M	32.6	-27.1 +0.0 +0.0	+21.1 +0.0	+0.5 +0.0	+5.2 +0.0	+0.0	32.3	46.0	-13.7	Horiz
17	537.975M	35.2	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	32.0	46.0	-14.0	Vert
18	433.367M	38.7	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	32.0	46.0	-14.0	Vert
19	506.200M	35.4	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	30.6	46.0	-15.4	Vert
20	474.533M	35.9	-27.6 +0.0 +0.0	+17.6 +0.0	+0.3 +0.0	+4.1 +0.0	+0.0	30.3	46.0	-15.7	Vert
21	465.492M	35.6	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	29.9	46.0	-16.1	Vert
22	174.042M	42.0	-27.7 +0.0 +0.0	+9.4 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	26.4	43.5	-17.1	Horiz
23	177.075M	42.0	-27.7 +0.0 +0.0	+9.2 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	26.2	43.5	-17.3	Horiz
24	976.050M	32.2	-27.2 +0.0 +0.0	+24.6 +0.0	+0.7 +0.0	+6.2 +0.0	+0.0	36.5	54.0	-17.5	Horiz
25	304.033M	39.4	-27.6 +0.0 +0.0	+13.3 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	28.5	46.0	-17.5	Vert
26	115.050M	38.3	-27.6 +0.0 +0.0	+11.0 +0.0	+0.3 +0.0	+1.9 +0.0	+0.0	23.9	43.5	-19.6	Horiz
27	295.900M	37.3	-27.6 +0.0 +0.0	+13.1 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	26.2	46.0	-19.8	Vert
28	224.492M	34.6	-27.6 +0.0 +0.0	+10.7 +0.0	+0.2 +0.0	+2.7 +0.0	+0.0	20.6	46.0	-25.4	Vert

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/29/2007
Test Type:	**Radiated Scan**	Time:	14:58:10
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	10
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N
AC Power Supply	Haier America LLC	LSD-D03	NA

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material.. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 63. Modulation: Bluetooth. Frequency: 2441MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	152.330M	49.8	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	35.3	43.5	-8.2	Horiz
2	161.280M	49.6	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	34.5	43.5	-9.0	Horiz
3	141.550M	48.5	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	34.4	43.5	-9.1	Horiz
4	171.750M	49.5	-27.7 +0.0 +0.0	+9.6 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	34.1	43.5	-9.4	Horiz
5	512.030M	40.4	-27.6 +0.0 +0.0	+18.5 +0.0	+0.3 +0.0	+4.3 +0.0	+0.0	35.9	46.0	-10.1	Vert
6	700.450M	36.6	-27.1 +0.0 +0.0	+20.6 +0.0	+0.5 +0.0	+5.1 +0.0	+0.0	35.7	46.0	-10.3	Vert
7	544.010M	38.3	-27.4 +0.0 +0.0	+19.5 +0.0	+0.5 +0.0	+4.5 +0.0	+0.0	35.4	46.0	-10.6	Vert
8	139.850M	45.3	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	31.2	43.5	-12.3	Horiz
9	4882.170M	37.6	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	40.9	54.0	-13.1	Vert
10	174.050M	45.9	-27.7 +0.0 +0.0	+9.4 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	30.3	43.5	-13.2	Horiz
11	550.050M	35.2	-27.4 +0.0 +0.0	+19.7 +0.0	+0.5 +0.0	+4.5 +0.0	+0.0	32.5	46.0	-13.5	Vert
12	832.030M	30.0	-27.1 +0.0 +0.0	+22.8 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	31.9	46.0	-14.1	Vert
13	168.000M	44.4	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	29.1	43.5	-14.4	Horiz

14	816.100M	29.4	-27.1 +0.0 +0.0	+22.4 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	30.9	46.0	-15.1	Vert
15	899.960M	28.5	-27.2 +0.0 +0.0	+23.2 +0.0	+0.4 +0.0	+5.9 +0.0	+0.0	30.8	46.0	-15.2	Vert
16	300.000M	41.5	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	30.5	46.0	-15.5	Vert
17	206.280M	43.3	-27.6 +0.0 +0.0	+9.3 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	27.8	43.5	-15.7	Vert
18	240.000M	43.1	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	30.3	46.0	-15.7	Horiz
19	300.000M	41.1	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	30.1	46.0	-15.9	Horiz
20	506.060M	34.4	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	29.6	46.0	-16.4	Vert
21	556.900M	32.2	-27.4 +0.0 +0.0	+19.7 +0.0	+0.5 +0.0	+4.5 +0.0	+0.0	29.5	46.0	-16.5	Vert
22	538.130M	32.4	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	29.2	46.0	-16.8	Vert
23	532.610M	32.7	-27.5 +0.0 +0.0	+19.2 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	29.2	46.0	-16.8	Vert
24	177.050M	42.2	-27.7 +0.0 +0.0	+9.2 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	26.4	43.5	-17.1	Horiz
25	506.050M	33.1	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	28.3	46.0	-17.7	Horiz
26	401.920M	34.6	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	26.8	46.0	-19.2	Vert
27	412.470M	34.1	-27.7 +0.0 +0.0	+16.1 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	26.7	46.0	-19.3	Vert
28	465.680M	32.3	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	26.6	46.0	-19.4	Vert
29	538.280M	29.8	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	26.6	46.0	-19.4	Horiz
30	517.020M	30.7	-27.5 +0.0 +0.0	+18.7 +0.0	+0.4 +0.0	+4.3 +0.0	+0.0	26.6	46.0	-19.4	Horiz

31	256.010M	37.3	-27.7 +0.0 +0.0	+12.6 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	25.4	46.0	-20.6	Vert
32	429.120M	32.0	-27.7 +0.0 +0.0	+16.6 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	25.2	46.0	-20.8	Vert
33	274.990M	36.4	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	24.9	46.0	-21.1	Vert
34	444.120M	29.9	-27.6 +0.0 +0.0	+17.0 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	23.7	46.0	-22.3	Vert
35	329.000M	33.4	-27.6 +0.0 +0.0	+14.0 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	23.5	46.0	-22.5	Vert
36	249.960M	35.2	-27.7 +0.0 +0.0	+12.5 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	23.2	46.0	-22.8	Vert
37	4882.500M Ave	27.4	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	30.7	54.0	-23.3	Horiz
^	4882.500M	39.5	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	42.8	54.0	-11.2	Horiz
39	265.440M	32.5	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	20.8	46.0	-25.2	Vert

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer:	**Synapse Product Development, LLC**		
Specification:	**FCC 15.247 (d) (FCC 15.209)**		
Work Order #:	**86173**	Date:	8/29/2007
Test Type:	**Radiated Scan**	Time:	16:03:06
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	9
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101		
S/N:	NA		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Bilog Antenna	2451	02/02/2006	02/02/2008	01995
Pre amp to SA Cable	Cable #10	05/16/2007	05/16/2009	P05050
Cable	Cable15	01/05/2007	01/05/2009	P05198
Pre Amp	1937A02548	06/01/2006	06/01/2008	00309
Horn Antenna	6246	06/29/2006	06/29/2008	00849
Microwave Pre-amp	3123A00281	07/19/2006	07/19/2008	00786
Heliax Antenna Cable	P5565	09/18/2006	09/18/2008	P05565
18-26GHz Horn	3643A00027	11/27/2006	11/27/2008	02112
Loop Antenna	2014	06/14/2006	06/14/2008	00314
3.0 GHz HPF	1	03/08/2006	03/08/2008	02744
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
WiFi and Bluetooth Enabled Media Player*	Haier America LLC	MW101	NA
AC Power Supply	Haier America LLC	LSD-D03	NA

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 63. Modulation: Bluetooth. Frequency: 2480MHz. Frequency range of measurement = 9 kHz - 25 GHz. Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz - 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz - 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz - 25,000 MHz RBW=1 MHz, VBW=1 MHz. The emission profile of all three orthogonal orientations was investigated. Worst case is EUT placed up right. 23°C, 49% relative humidity. No emissions beyond 1 GHz were detected, noise floor level recorded.

Transducer Legend:

T1=Preamp 8447D 060108	T2=Bilog AN01995 020208 Chase
T3=Cable #10 051609	T4=Cable #15, Site A, 010509
T5=Pre amp 1- 26GHz 071908	T6=54' Heliax Cable 091808 P05565
T7=Horn 00849_062908	T8=Filter 3GHz HPF AN02744
T9=SMA-cable_W_05183-011109-26GHz	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6	T3 T7	T4 T8	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	141.570M	51.6	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	37.5	43.5	-6.0	Horiz
2	759.660M	35.7	-27.0 +0.0 +0.0	+22.1 +0.0	+0.5 +0.0	+5.3 +0.0	+0.0	36.6	46.0	-9.4	Vert
3	130.920M	47.3	-27.6 +0.0 +0.0	+11.4 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	33.5	43.5	-10.0	Vert
4	152.210M	47.3	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	32.8	43.5	-10.7	Horiz
5	161.180M	47.2	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	32.1	43.5	-11.4	Horiz
6	329.170M	43.7	-27.6 +0.0 +0.0	+14.0 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	33.8	46.0	-12.2	Horiz
7	206.440M	46.8	-27.6 +0.0 +0.0	+9.3 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	31.3	43.5	-12.2	Horiz
8	836.640M	31.7	-27.1 +0.0 +0.0	+22.9 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	33.7	46.0	-12.3	Vert
9	130.880M	44.3	-27.6 +0.0 +0.0	+11.4 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	30.5	43.5	-13.0	Horiz
10	4960.530M	37.3	+0.0 -37.7 +2.1	+0.0 +5.4	+0.0 +33.4	+0.0 +0.3	+0.0	40.8	54.0	-13.2	Horiz
11	174.120M	45.9	-27.7 +0.0 +0.0	+9.4 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	30.3	43.5	-13.2	Horiz
12	4960.070M	37.2	+0.0 -37.7 +2.1	+0.0 +5.4	+0.0 +33.4	+0.0 +0.3	+0.0	40.7	54.0	-13.3	Vert
13	429.150M	39.3	-27.7 +0.0 +0.0	+16.6 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	32.5	46.0	-13.5	Horiz

14	350.020M	41.4	-27.6 +0.0 +0.0	+14.5 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	32.1	46.0	-13.9	Horiz
15	207.840M	45.0	-27.6 +0.0 +0.0	+9.4 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	29.6	43.5	-13.9	Horiz
16	192.020M	45.6	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	29.6	43.5	-13.9	Horiz
17	448.050M	37.5	-27.6 +0.0 +0.0	+17.1 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	31.4	46.0	-14.6	Horiz
18	404.170M	39.1	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	31.3	46.0	-14.7	Horiz
19	239.980M	44.0	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	31.2	46.0	-14.8	Horiz
20	915.270M	28.1	-27.2 +0.0 +0.0	+23.7 +0.0	+0.5 +0.0	+6.0 +0.0	+0.0	31.1	46.0	-14.9	Vert
21	517.080M	34.9	-27.5 +0.0 +0.0	+18.7 +0.0	+0.4 +0.0	+4.3 +0.0	+0.0	30.8	46.0	-15.2	Vert
22	433.720M	37.5	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	30.8	46.0	-15.2	Vert
23	506.410M	35.5	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	30.7	46.0	-15.3	Vert
24	265.810M QP	42.3	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	30.6	46.0	-15.4	Horiz
^	265.810M	54.5	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	42.8	46.0	-3.2	Horiz
26	177.020M	43.2	-27.7 +0.0 +0.0	+9.2 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	27.4	43.5	-16.1	Horiz
27	399.990M	37.8	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	29.9	46.0	-16.1	Vert
28	297.370M	40.8	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	29.8	46.0	-16.2	Horiz
29	206.370M	42.4	-27.6 +0.0 +0.0	+9.3 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	26.9	43.5	-16.6	Vert
30	141.560M	40.9	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	26.8	43.5	-16.7	Vert

31	417.830M	36.3	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	29.1	46.0	-16.9	Horiz
32	538.070M	32.3	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	29.1	46.0	-16.9	Vert
33	401.460M	36.5	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	28.6	46.0	-17.4	Horiz
34	465.650M	33.5	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	27.8	46.0	-18.2	Vert
35	161.240M	39.1	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	24.0	43.5	-19.5	Vert
36	401.730M	32.8	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	24.9	46.0	-21.1	Vert
37	255.990M	36.7	-27.7 +0.0 +0.0	+12.6 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	24.8	46.0	-21.2	Vert
38	412.720M	31.1	-27.7 +0.0 +0.0	+16.1 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	23.7	46.0	-22.3	Vert

FCC Part 15.247(a)(1) Channel Frequency Separation

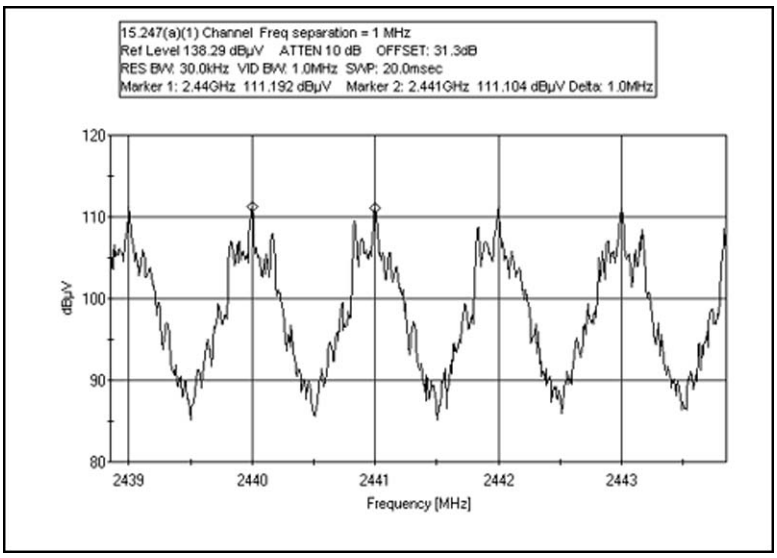
Test Equipment

Equipment	Asset #	Manufacturer	Model	Serial #	Cal Date	Cal Due
Spectrum Analyzer	02672	Agilent	E4446A	US44300438	010307	010309
24" SMA Cable (White)	P05183	Pasterneck	35591-48	1-40GHz_white	011107	011109

Test Conditions: The EUT is placed on the test bench, USB port is connected to an AC power supply. The EUT is operating on Max power. RF emission profile evaluated at the internal antenna connector.

Test Setup Photos

Test Plots


15.247(a)(1) Channel Freq separation = 1 MHz
Ref Level 138.29 dBµV ATTEN 10 dB OFFSET: 31.3dB
RES BW: 30.0kHz VID BW: 1.0MHz SWP: 20.0msec
Marker 1: 2.44GHz 111.192 dBµV Marker 2: 2.441GHz 111.104 dBµV Delta: 1.0MHz
120
110
100
90
80
dBµV
2439
2440
2441
2442
2443
Frequency [MHz]

FCC Part 15.247(a)(1) Occupied Bandwidth

Test Equipment

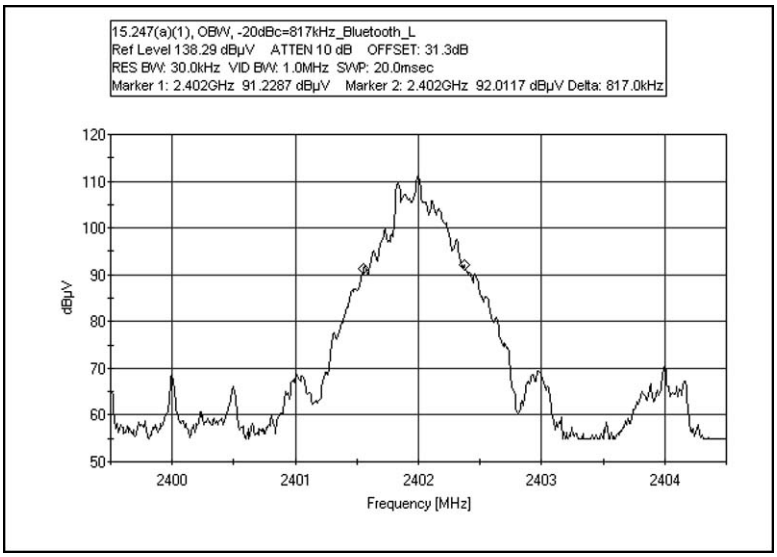
Equipment	Asset #	Manufacturer	Model	Serial #	Cal Date	Cal Due
Spectrum Analyzer	02672	Agilent	E4446A	US44300438	010307	010309
24" SMA Cable (White)	P05183	Pasterneck	35591-48	1-40GHz_white	011107	011109

Test Conditions: The EUT is placed on the test bench, USB port is connected to an AC power supply. The EUT is operating on Max power. RF emission profile evaluated at the internal antenna connector.

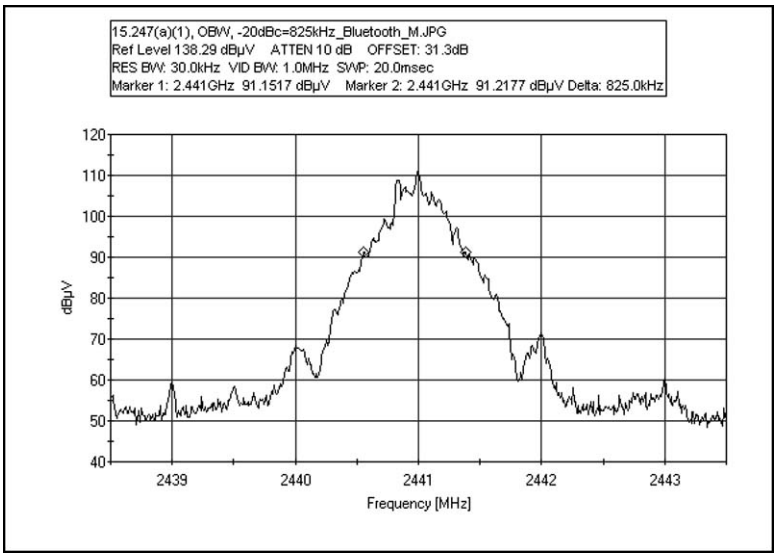
Test Setup Photos

Test Plots

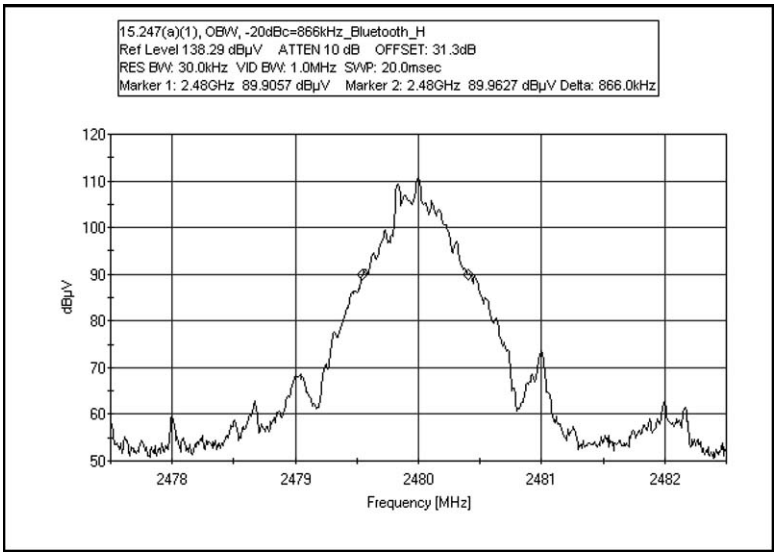
FCC 15.247(a)(1) OCCUPIED BANDWIDTH - BLUETOOTH LOW



FCC 15.247(a)(1) OCCUPIED BANDWIDTH - BLUETOOTH MID



FCC 15.247(a)(1) OCCUPIED BANDWIDTH - BLUETOOTH HIGH



FCC Part 15.247(a)(1) 20dB Bandwidth

Test Equipment

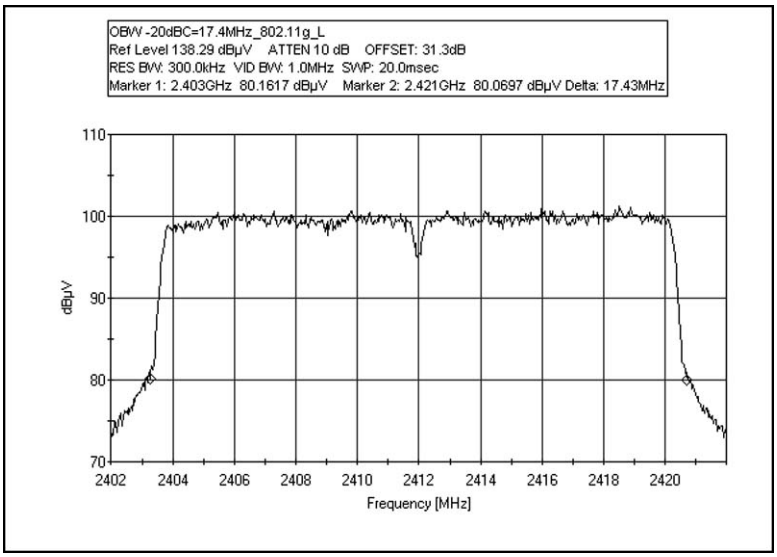
Equipment	Asset #	Manufacturer	Model	Serial #	Cal Date	Cal Due
Spectrum Analyzer	02672	Agilent	E4446A	US44300438	010307	010309
24" SMA Cable (White)	P05183	Pasterneck	35591-48	1-40GHz_white	011107	011109

Test Conditions: The EUT is placed on the test bench, USB port is connected to an AC power supply. The EUT is operating on Max power. RF emission profile evaluated at the internal antenna connector.

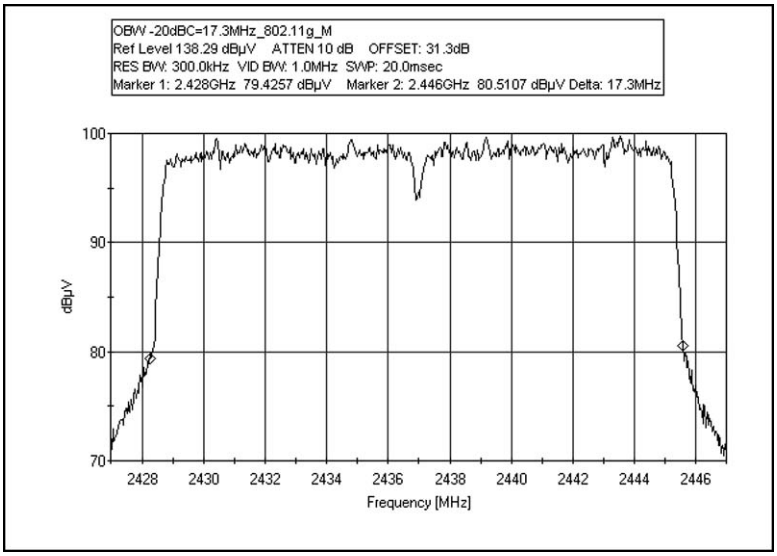
Test Setup Photos

Test Plots

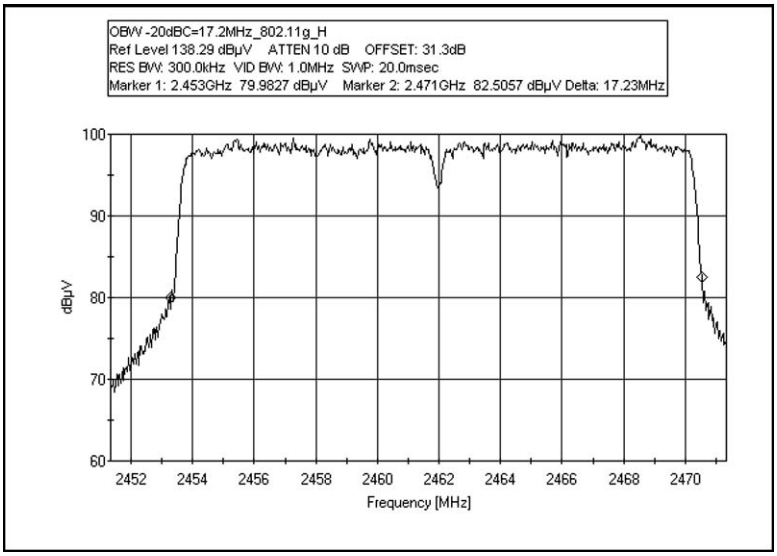
OCCUPIED BANDWIDTH -20dBc - 802.11g LOW - 17.4 MHz



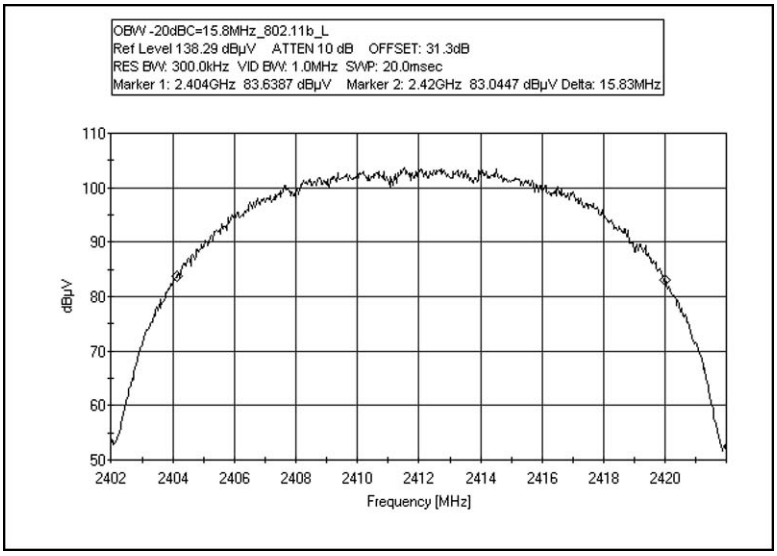
OCCUPIED BANDWIDTH -20dBc - 802.11g MIDDLE - 17.3 MHz



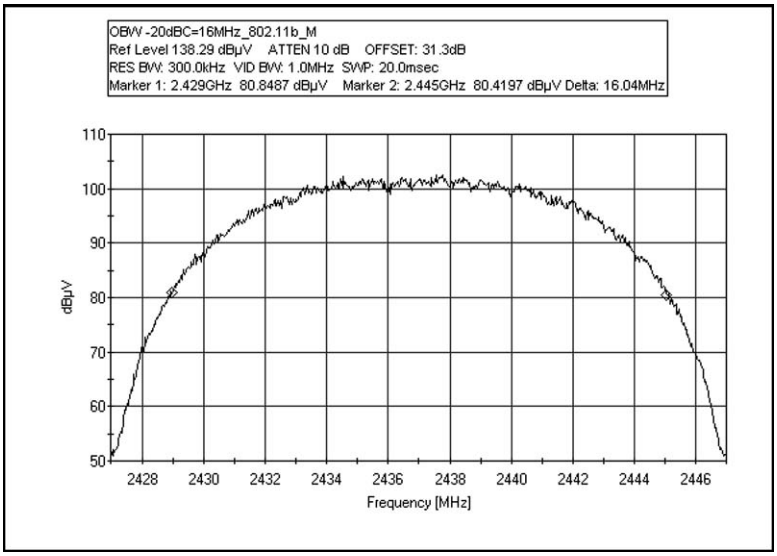
OCCUPIED BANDWIDTH -20dBc - 802.11g HIGH - 17.2 MHz



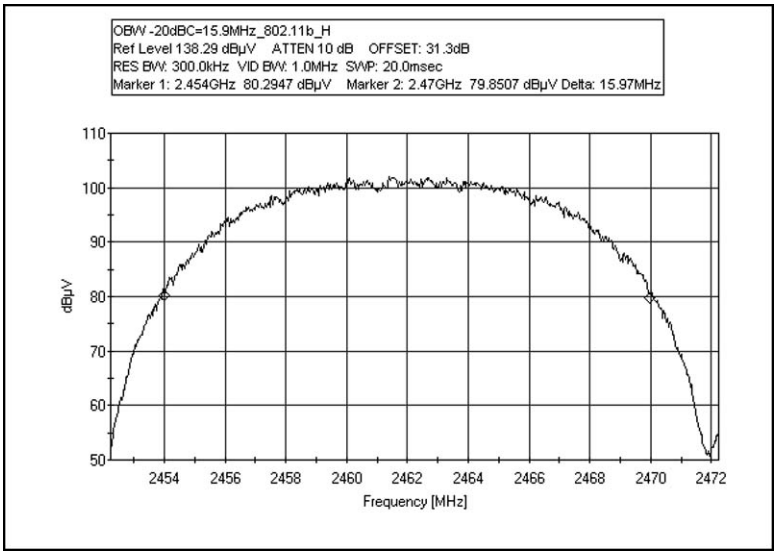
OCCUPIED BANDWIDTH -20dBc - 802.11b LOW - 15.8 MHz



OCCUPIED BANDWIDTH -20dBc - 802.11b MIDDLE - 16 MHz



OCCUPIED BANDWIDTH -20dBc - 802.11b HIGH - 15.9 MHz



FCC Part 15.247(a)(1)(iii) Average Time of Occupancy

Test Equipment

Equipment	Asset #	Manufacturer	Model	Serial #	Cal Date	Cal Due
Spectrum Analyzer	02672	Agilent	E4446A	US44300438	010307	010309
24" SMA Cable (White)	P05183	Pasterneck	35591-48	1-40GHz_white	011107	011109

Test Conditions: The EUT is placed on the test bench, USB port is connected to an AC power supply. The EUT is operating on Max power. RF emission profile evaluated at the internal antenna connector.

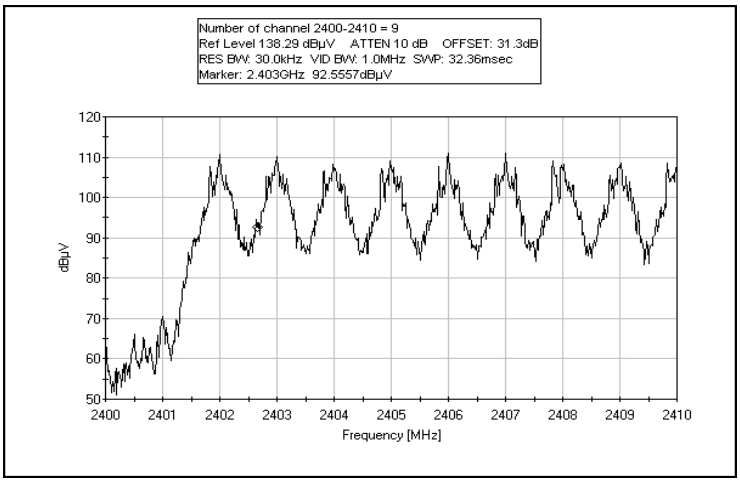
Test Setup Photos

15.247 (a)(1)(iii) Time of Occupancy FHSS

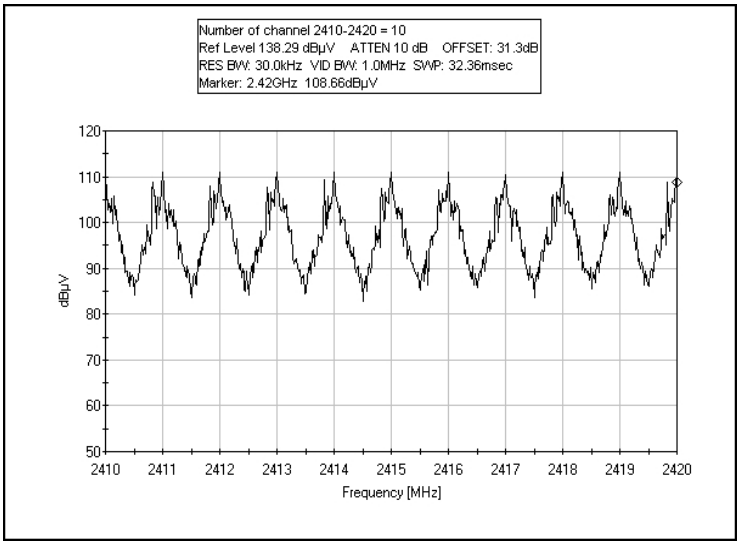
§15.247 Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

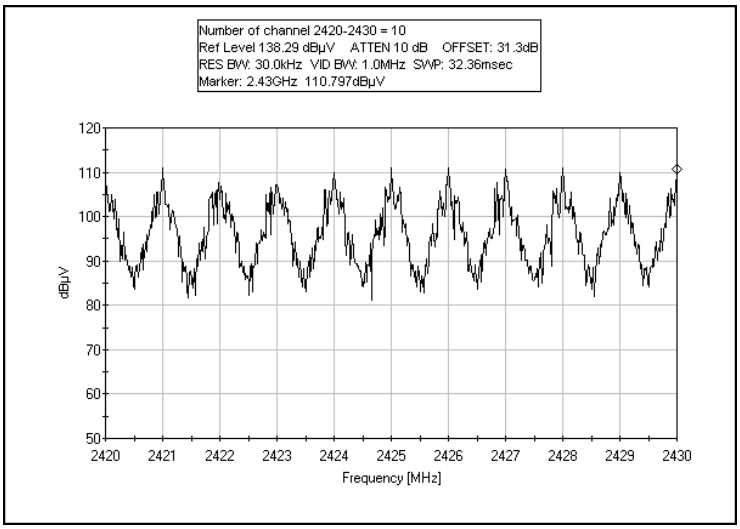
(iii) Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

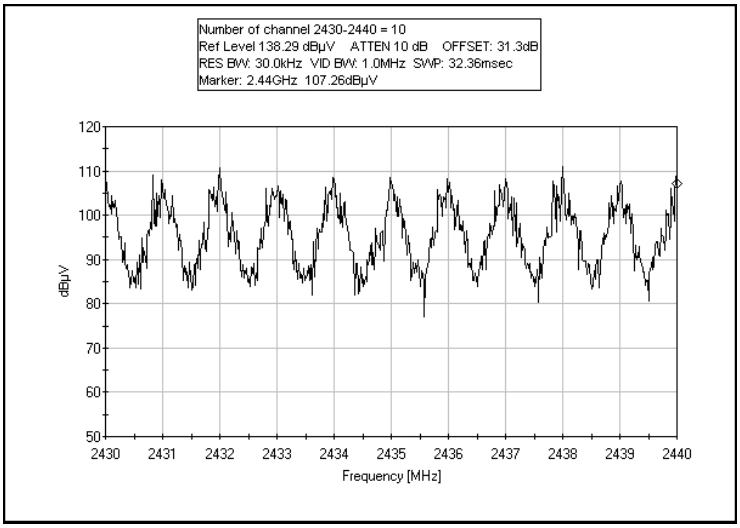
Test Plots

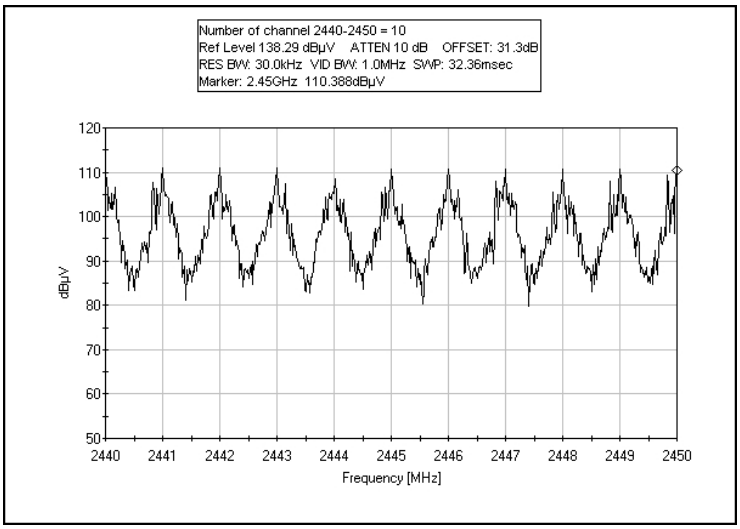


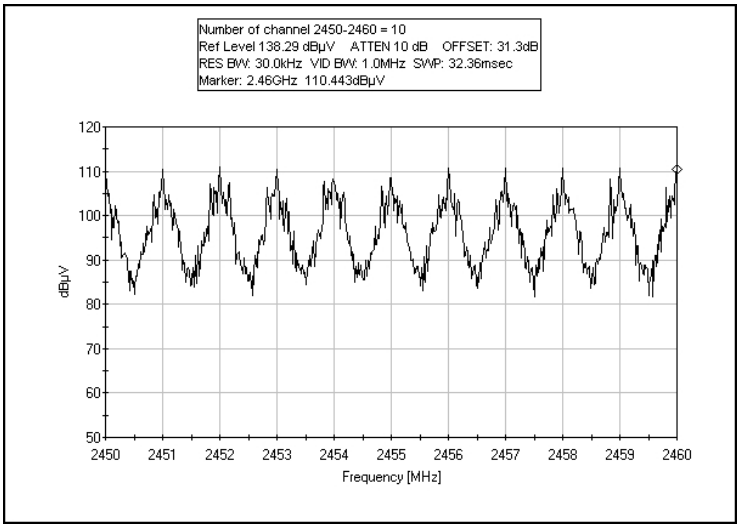
9channels

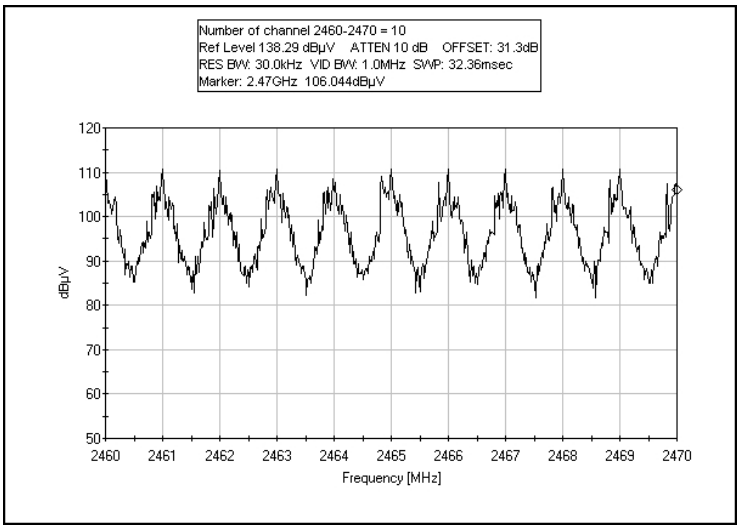


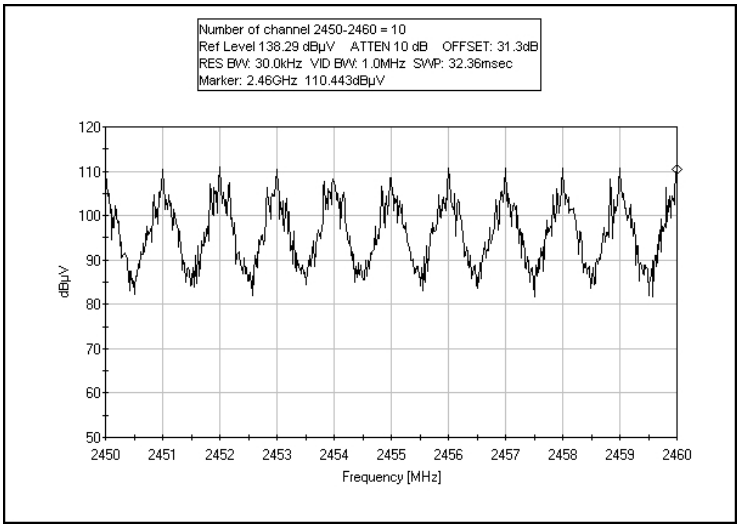

Number of channel 2420-2430 = 10
Ref Level 138.29 dBµV ATTEN 10 dB OFFSET: 31.3dB
RES BW: 30.0kHz VID BW: 1.0MHz SWP: 32.36msec
Marker: 2.43GHz 110.797dBµV
dBµV
120
110
100
90
80
70
60
50
2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430
Frequency [MHz]

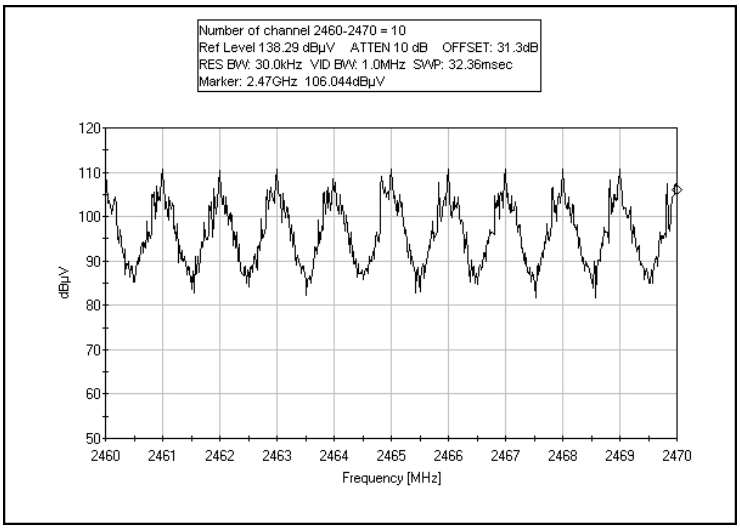

Number of channel 2430-2440 = 10
Ref Level 138.29 dBµV ATTEN 10 dB OFFSET: 31.3dB
RES BW: 30.0kHz VID BW: 1.0MHz SWP: 32.36msec
Marker: 2.44GHz 107.26dBµV
dBµV
120
110
100
90
80
70
60
50
2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440
Frequency [MHz]

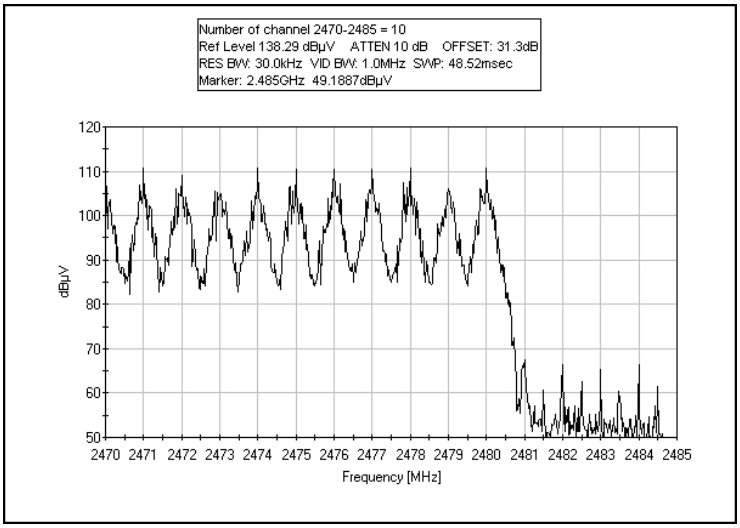

Number of channel 2440-2450 = 10
Ref Level 138.29 dBµV ATTEN 10 dB OFFSET: 31.3dB
RES BW: 30.0kHz VID BW: 1.0MHz SWP: 32.36msec
Marker: 2.45GHz 110.388dBµV
dBµV
120
110
100
90
80
70
60
50
2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450
Frequency [MHz]


Number of channel 2450-2460 = 10
Ref Level 138.29 dBµV ATTEN 10 dB OFFSET: 31.3dB
RES BW: 30.0kHz VID BW: 1.0MHz SWP: 32.36msec
Marker: 2.46GHz 110.443dBµV
dBµV
120
110
100
90
80
70
60
50
2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460
Frequency [MHz]

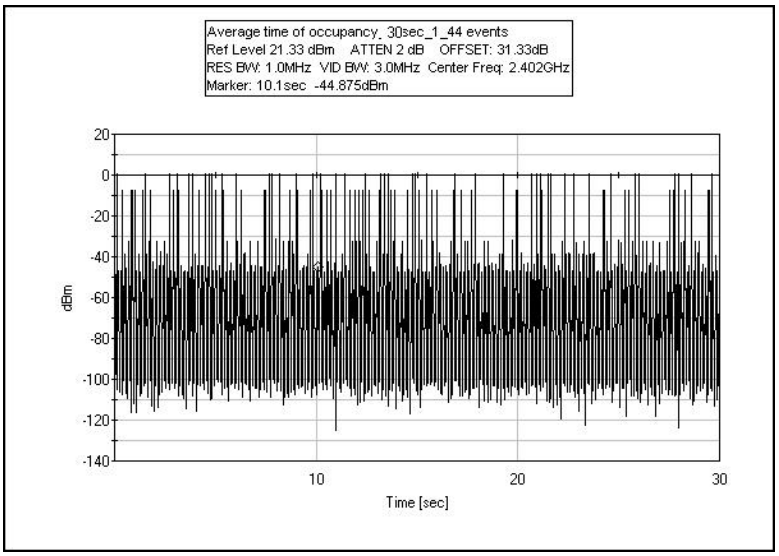

Number of channel 2460-2470 = 10
Ref Level 138.29 dBµV ATTEN 10 dB OFFSET: 31.3dB
RES BW: 30.0kHz VID BW: 1.0MHz SWP: 32.36msec
Marker: 2.47GHz 106.044dBµV
dBµV
120
110
100
90
80
70
60
50
2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470
Frequency [MHz]

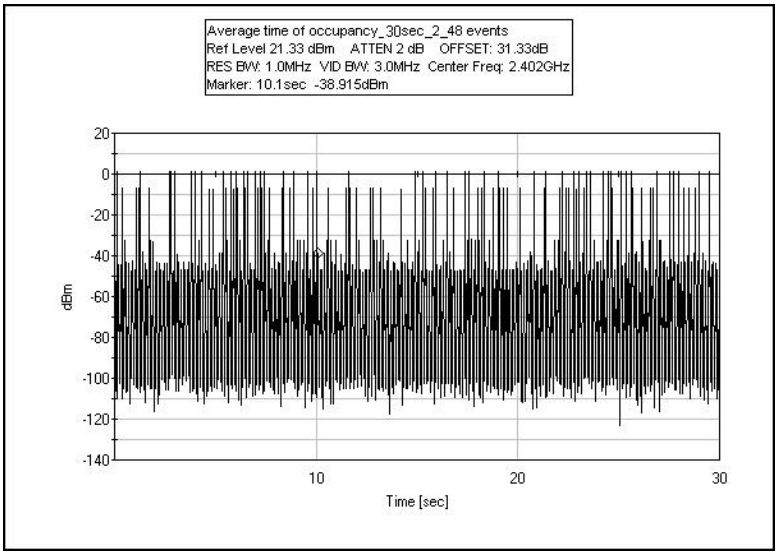

Number of channel 2450-2460 = 10
Ref Level 138.29 dBµV ATTEN 10 dB OFFSET: 31.3dB
RES BW: 30.0kHz VID BW: 1.0MHz SWP: 32.36msec
Marker: 2.46GHz 110.443dBµV
dBµV
120
110
100
90
80
70
60
50
2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460
Frequency [MHz]

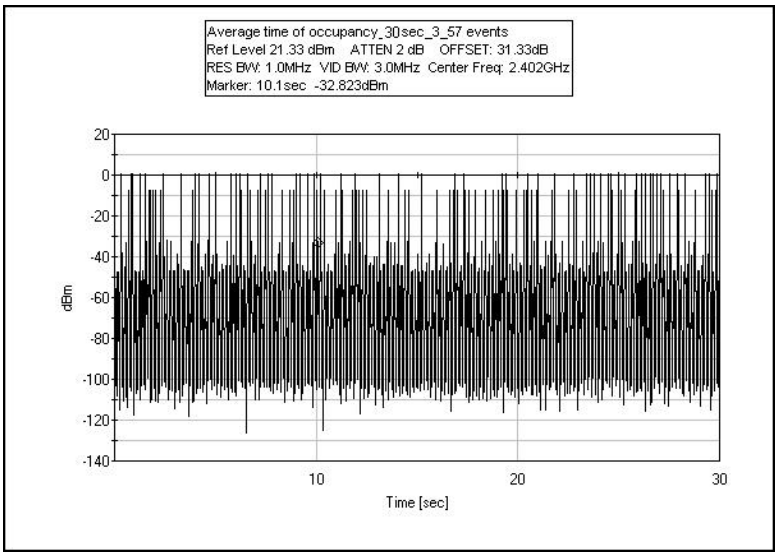


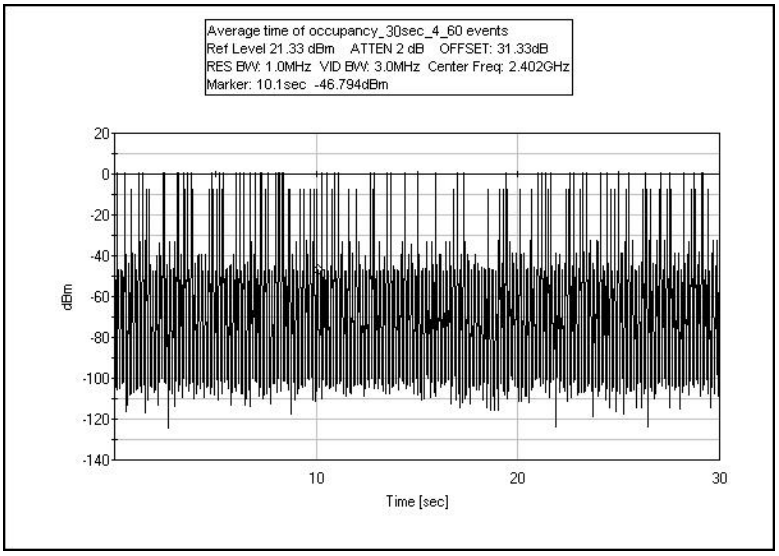


Total of 79 Channels from 2402-2480 MHz.


Average time of occupancy_ 30sec_1_44 events
Ref Level 21.33 dBm ATTEN 2 dB OFFSET: 31.33dB
RES BW: 1.0MHz VID BW: 3.0MHz Center Freq: 2.402GHz
Marker: 10.1sec -44.875dBm
dBm
Time [sec]


Average time of occupancy_30sec_2_48 events
Ref Level 21.33 dBm ATTEN 2 dB OFFSET: 31.33dB
RES BW: 1.0MHz VID BW: 3.0MHz Center Freq: 2.402GHz
Marker: 10.1sec -38.915dBm
dBm
Time [sec]


Average time of occupancy_30sec_3_57 events
Ref Level 21.33 dBm ATTEN 2 dB OFFSET: 31.33dB
RES BW: 1.0MHz VID BW: 3.0MHz Center Freq: 2.402GHz
Marker: 10.1sec -32.823dBm
dBm
Time [sec]


Average time of occupancy_30sec_4_60 events
Ref Level 21.33 dBm ATTEN 2 dB OFFSET: 31.33dB
RES BW: 1.0MHz VID BW: 3.0MHz Center Freq: 2.402GHz
Marker: 10.1sec -46.794dBm
dBm
Time [sec]