ADDENDUM TO HAIER AMERICA LLC TEST REPORT FC07-074

FOR THE

WIFI AND BLUETOOTH ENABLED MEDIA PLAYER, MW101AQ

FCC PART 15 SUBPART C SECTIONS 15.207, 15.209 & 15.247,
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
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P.O. No.: 4971
W.O. No.: 87002

Date of test: August 27 – November 1, 2007

Report No.: FC07-074A

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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

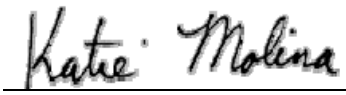
PURPOSE OF TEST: Original Report: To perform the testing of the WiFi and Bluetooth Enabled Media Player, MW101AQ with the requirements for FCC Part 15 Subpart C Sections 15.207, 15.209 & 15.247, Subpart B Sections 15.107 & 15.109 Class B and RSS-210 Issue 7 devices.
Addendum A: To clarify the frequency ranges and number of channels on page 5 with no new testing, replace the FCC 15.107 and 15.109 data with new testing to conform to ANSI C63.4 test setup and update the conditions during testing on page 4.

APPROVALS

Steve Behm, Director of Engineering Services

QUALITY ASSURANCE:

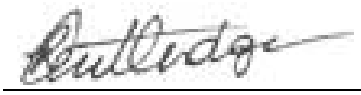
Joyce Walker, Quality Assurance Administrative Manager



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
	3172-A		90473	Site File No.

Rule Sections for RSS 210 are IAW 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. The customer declares that the FCC 15.207 and 15.109 data on model MW101AM included in this report is representative of this testing for model MW101AQ. For the purposes of the FCC 15.107 and FCC 15.109 tests, examining the unintentional radiation during USB transfer, the model MW101AM and the MW101AQ are functionally and electrically equivalent. During the USB transfer mode of operation, all of the intentional radiators, including the WiFi radio, are disabled. As the WiFi radio is the only distinction between the two models, their behavior will be identical.

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 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.

EQUIPMENT UNDER TEST

AC Power Supply

Manuf:	Haier America LLC
Model:	LSD-D03
Serial:	NA
FCC ID:	NA

WiFi and Bluetooth Enabled Media Player

Manuf:	Haier America LLC
Model:	MW101AQ
Serial:	NA
FCC ID:	VLPMW101AQ

Wireless Music Player

Manuf:	Haier America LLC
Model:	MW101AM
Serial:	EG001002Y00000000142
FCC ID:	VLPMQ101AW

PERIPHERAL DEVICES

The EUT was not tested with peripheral devices.

Laptop PC

Manuf:	Dell
Model:	PP11L
Serial:	CN-0C4708-48643-5CC-1983

AC Adapter

Manuf:	Dell
Model:	HP-OQ065B83
Serial:	CN-0N2765-47890-4B4-4350

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.

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

Test Data Sheets

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

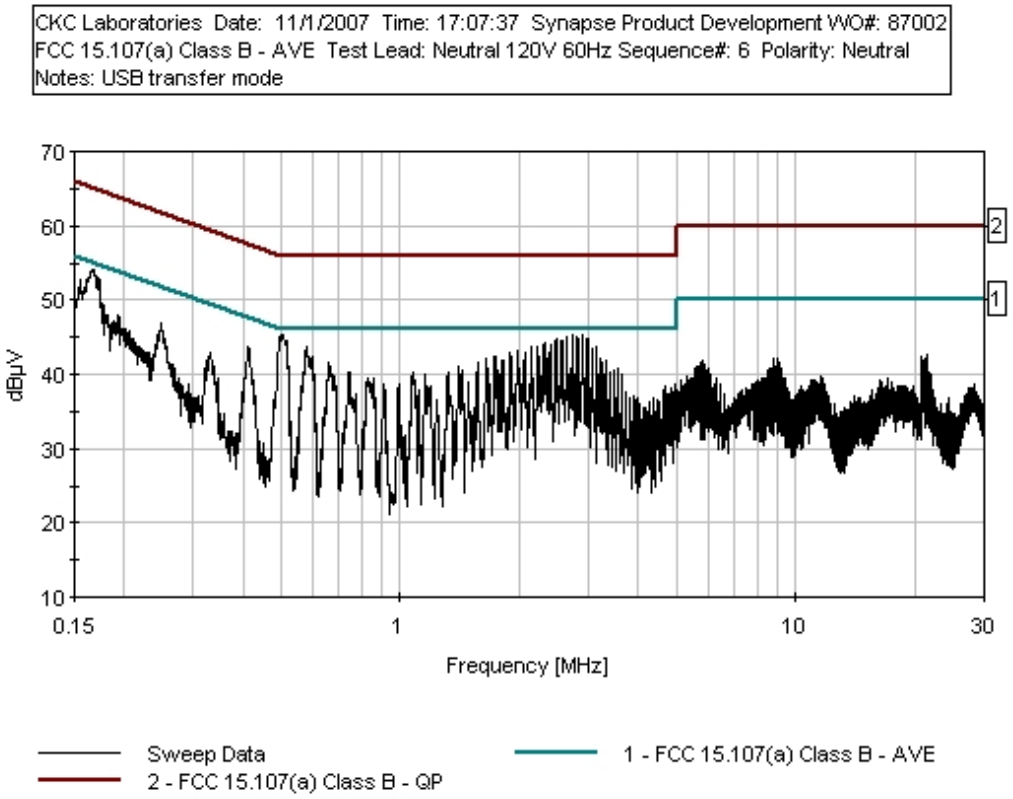
Transducer Legend:

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
70
60
50
40
30
20
10
dBµV
0.15
1
10
30
Frequency [MHz]
2
1
Sweep Data
2 - FCC 15.107(a) Class B - QP
1 - FCC 15.107(a) Class B - AVE

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

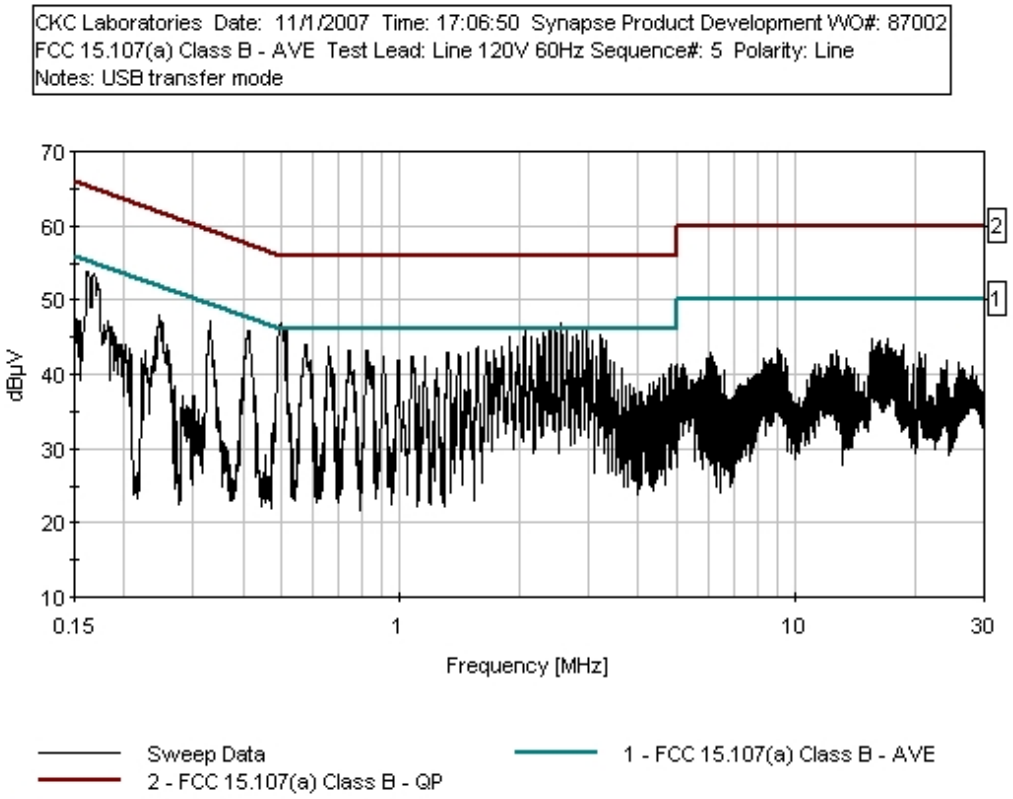
Transducer Legend:

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
70
60
50
40
30
20
10
dBµV
0.15
1
10
30
Frequency [MHz]
2
1
Sweep Data
2 - FCC 15.107(a) Class B - QP
1 - FCC 15.107(a) Class B - AVE

FCC 15.109 – RADIATED EMISSIONS

Test Setup Photos

Test Data Sheets

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:

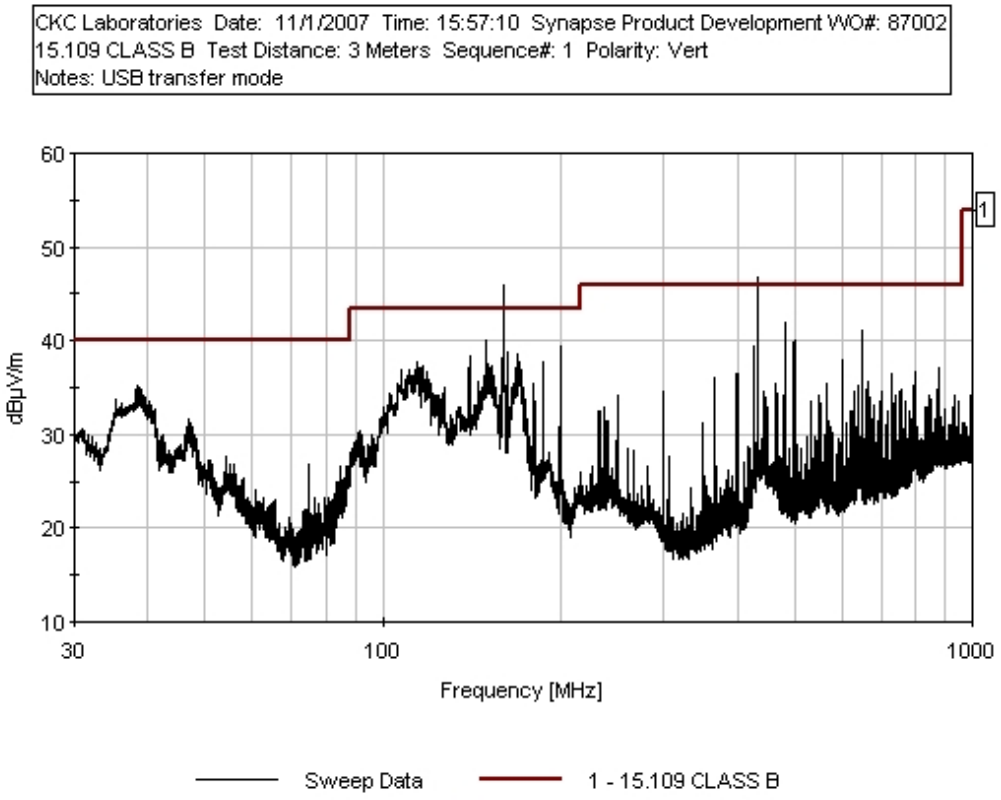
T1=ANT AN01993 25-1000MHz	T2=AMP-AN01517-071006
T3=CAB-ANP05444-042607 - CPC3 Cable Set	T4=CAB-ANP05360-110906

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 QP	160.166M	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 QP	432.908M	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 QP	199.989M	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

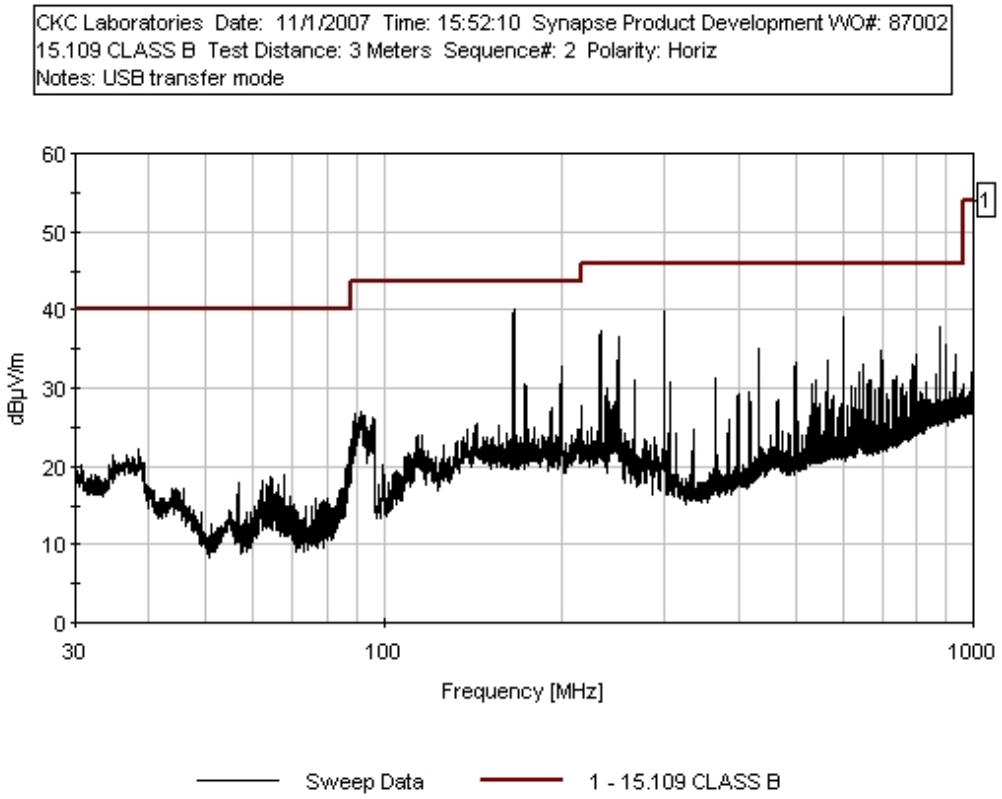
Transducer Legend:

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
1
30
100
1000
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: 16:33:22
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.

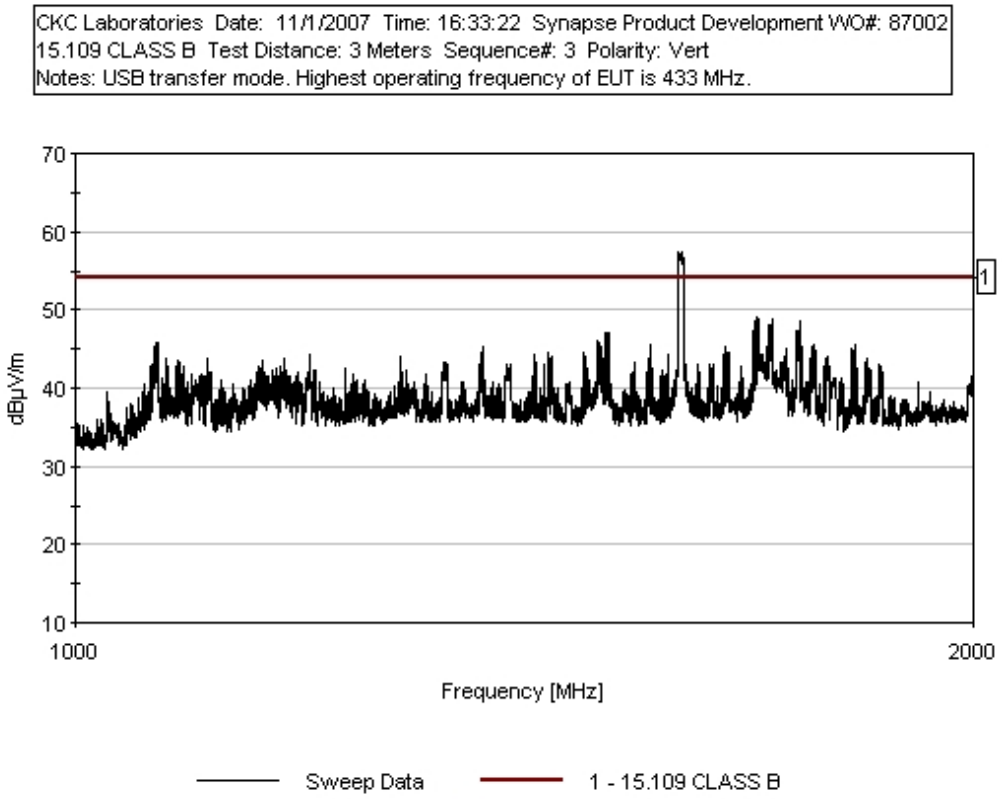
Transducer Legend:

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:

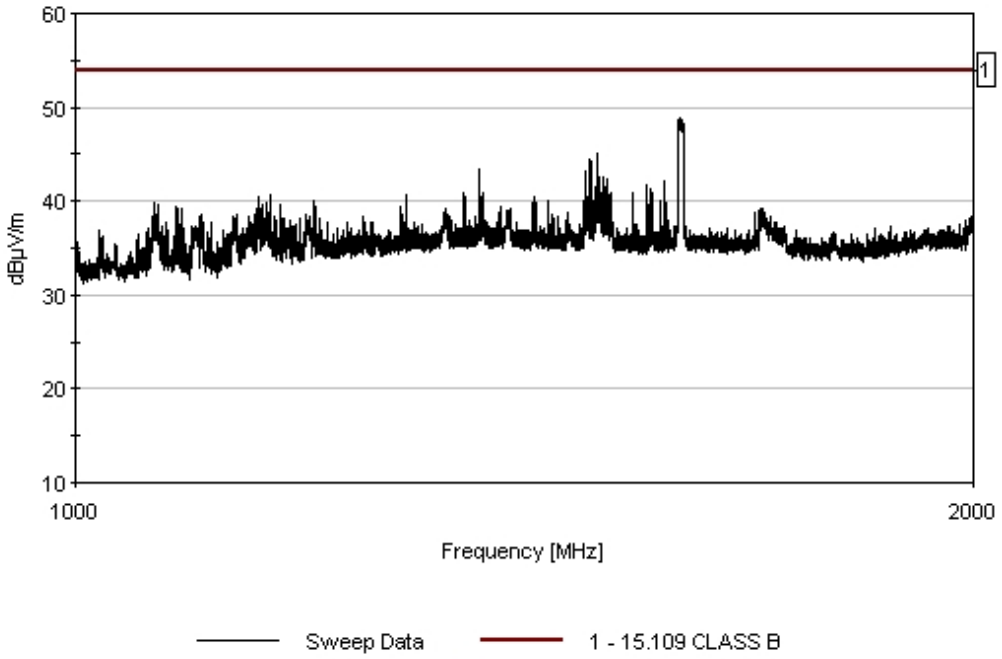
T1=CAB-ANP05545-061906	T2=ANT-AN01412-121305
T3=CAB-ANP05423-051006	T4=AMP-AN01271-100207 - .5-26.5 GHz

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

CKC Laboratories Date: 11/1/2007 Time: 16:43:52 Synapse Product Development WO#: 87002
15.109 CLASS B Test Distance: 3 Meters Sequence#: 4 Polarity: Horiz
Notes: USB transfer mode. Highest operating frequency of EUT is 433 MHz.



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

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 15.207 COND [AVE]**		
Work Order #:	**87002**	Date:	9/10/2007
Test Type:	**Conducted Emissions**	Time:	10:19:07
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	30
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 receive in 802.11b mode, middle channel. Display and hard drives are exercised. 22°C, 49% relative humidity. Frequency tested: 150 kHz – 30 MHz.

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	1.596M	36.9	+0.1	+6.1	+0.1	+0.1	+0.0	43.3	46.0	-2.7	Black
2	328.166k	39.9	+0.2	+6.2	+0.1	+0.1	+0.0	46.5	49.5	-3.0	Black
3	392.887k	38.3	+0.2	+6.2	+0.1	+0.0	+0.0	44.8	48.0	-3.2	Black
4	398.704k	38.1	+0.2	+6.2	+0.1	+0.0	+0.0	44.6	47.9	-3.3	Black

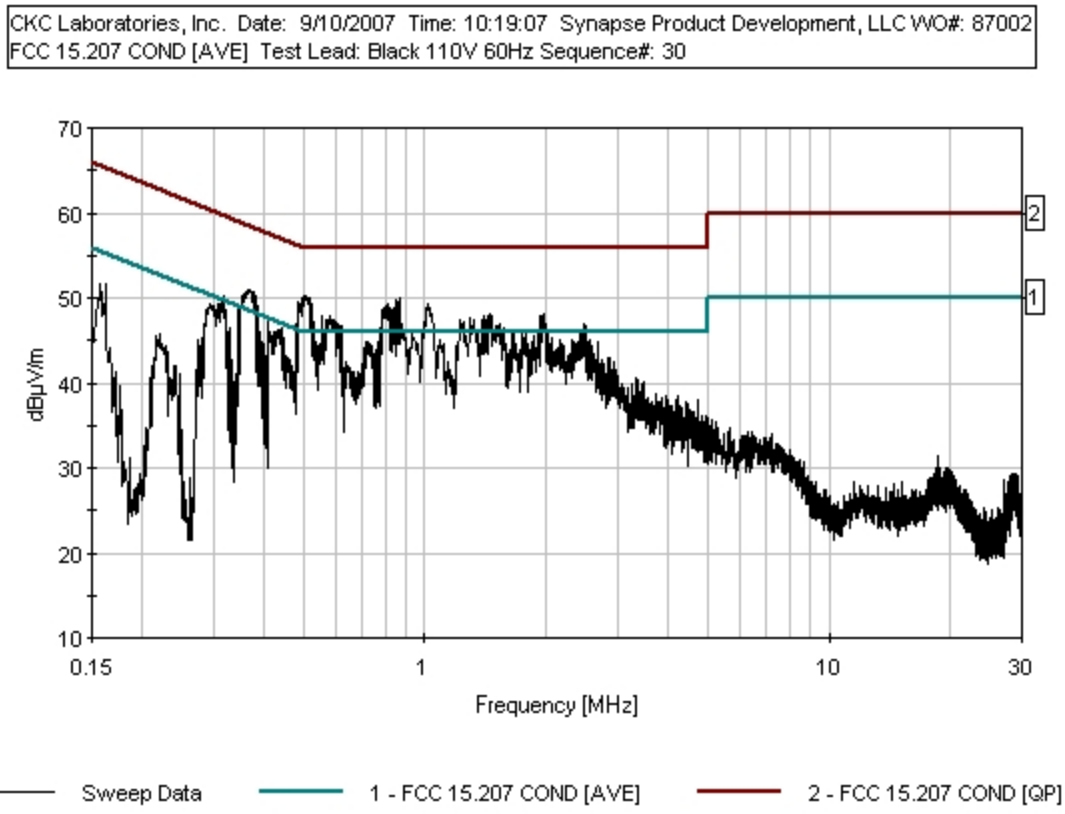
5	635.046k	36.0	+0.2	+6.1	+0.1	+0.1	+0.0	42.5	46.0	-3.5	Black
6	162.363k	44.6	+0.6	+6.2	+0.1	+0.1	+0.0	51.6	55.3	-3.7	Black
7	458.335k	36.3	+0.2	+6.2	+0.1	+0.1	+0.0	42.9	46.7	-3.8	Black
8	390.705k	37.5	+0.2	+6.2	+0.1	+0.0	+0.0	44.0	48.0	-4.0	Black
9	405.249k	36.7	+0.2	+6.2	+0.1	+0.0	+0.0	43.2	47.7	-4.5	Black
10	472.880k	34.8	+0.2	+6.2	+0.1	+0.1	+0.0	41.4	46.5	-5.1	Black
11	3.340M	34.1	+0.1	+6.2	+0.1	+0.2	+0.0	40.7	46.0	-5.3	Black
12	281.624k	38.9	+0.2	+6.1	+0.1	+0.1	+0.0	45.4	50.8	-5.4	Black
13	364.965k Ave	36.4	+0.2	+6.2	+0.1	+0.0	+0.0	42.9	48.6	-5.7	Black
14	506.331k Ave	33.6	+0.2	+6.2	+0.1	+0.1	+0.0	40.2	46.0	-5.8	Black
15	3.471M	33.5	+0.1	+6.2	+0.2	+0.2	+0.0	40.2	46.0	-5.8	Black
16	275.079k	38.6	+0.2	+6.1	+0.1	+0.1	+0.0	45.1	51.0	-5.9	Black
17	507.719k Ave	33.4	+0.2	+6.2	+0.1	+0.1	+0.0	40.0	46.0	-6.0	Black
^	506.331k	43.7	+0.2	+6.2	+0.1	+0.1	+0.0	50.3	46.0	+4.3	Black
^	507.719k	43.6	+0.2	+6.2	+0.1	+0.1	+0.0	50.2	46.0	+4.2	Black
20	3.446M	33.1	+0.1	+6.2	+0.2	+0.2	+0.0	39.8	46.0	-6.2	Black
21	366.338k Ave	35.8	+0.2	+6.2	+0.1	+0.0	+0.0	42.3	48.6	-6.3	Black
^	366.338k	44.6	+0.2	+6.2	+0.1	+0.0	+0.0	51.1	48.6	+2.5	Black
^	369.572k	44.5	+0.2	+6.2	+0.1	+0.0	+0.0	51.0	48.5	+2.5	Black
^	368.889k	44.4	+0.2	+6.2	+0.1	+0.0	+0.0	50.9	48.5	+2.4	Black
^	364.965k	44.4	+0.2	+6.2	+0.1	+0.0	+0.0	50.9	48.6	+2.3	Black
26	278.716k	37.9	+0.2	+6.1	+0.1	+0.1	+0.0	44.4	50.9	-6.5	Black
27	3.433M	32.7	+0.1	+6.2	+0.2	+0.2	+0.0	39.4	46.0	-6.6	Black
28	333.256k	36.0	+0.2	+6.2	+0.1	+0.1	+0.0	42.6	49.4	-6.8	Black
29	220.539k	39.3	+0.2	+6.1	+0.1	+0.1	+0.0	45.8	52.8	-7.0	Black

30	368.889k Ave	34.5	+0.2	+6.2	+0.1	+0.0	+0.0	41.0	48.5	-7.5	Black
31	4.211M	31.8	+0.1	+6.2	+0.2	+0.2	+0.0	38.5	46.0	-7.5	Black
32	3.956M	31.7	+0.1	+6.2	+0.2	+0.2	+0.0	38.4	46.0	-7.6	Black
33	4.160M	31.4	+0.1	+6.2	+0.2	+0.2	+0.0	38.1	46.0	-7.9	Black
34	4.751M	31.4	+0.1	+6.2	+0.2	+0.2	+0.0	38.1	46.0	-7.9	Black
35	4.199M	31.2	+0.1	+6.2	+0.2	+0.2	+0.0	37.9	46.0	-8.1	Black
36	4.415M	31.0	+0.1	+6.2	+0.2	+0.2	+0.0	37.7	46.0	-8.3	Black
37	4.467M	30.9	+0.1	+6.2	+0.2	+0.2	+0.0	37.6	46.0	-8.4	Black
38	579.594k Ave	31.0	+0.2	+6.1	+0.1	+0.1	+0.0	37.5	46.0	-8.5	Black
39	579.594k Ave	30.8	+0.2	+6.1	+0.1	+0.1	+0.0	37.3	46.0	-8.7	Black
^	583.944k	41.4	+0.2	+6.1	+0.1	+0.1	+0.0	47.9	46.0	+1.9	Black
^	579.594k	40.8	+0.2	+6.1	+0.1	+0.1	+0.0	47.3	46.0	+1.3	Black
42	4.054M	30.6	+0.1	+6.2	+0.2	+0.2	+0.0	37.3	46.0	-8.7	Black
43	369.572k Ave	33.1	+0.2	+6.2	+0.1	+0.0	+0.0	39.6	48.5	-8.9	Black
44	583.944k Ave	30.6	+0.2	+6.1	+0.1	+0.1	+0.0	37.1	46.0	-8.9	Black
45	1.022M Ave	30.8	+0.1	+6.1	+0.0	+0.1	+0.0	37.1	46.0	-8.9	Black
^	1.022M	42.9	+0.1	+6.1	+0.0	+0.1	+0.0	49.2	46.0	+3.2	Black
47	338.346k	33.6	+0.2	+6.2	+0.1	+0.1	+0.0	40.2	49.2	-9.0	Black
48	3.905M	30.3	+0.1	+6.2	+0.2	+0.2	+0.0	37.0	46.0	-9.0	Black
49	3.931M	30.3	+0.1	+6.2	+0.2	+0.2	+0.0	37.0	46.0	-9.0	Black
50	4.518M	30.1	+0.1	+6.2	+0.2	+0.2	+0.0	36.8	46.0	-9.2	Black
51	271.443k	35.0	+0.2	+6.1	+0.1	+0.1	+0.0	41.5	51.1	-9.6	Black
52	4.131M	29.6	+0.1	+6.2	+0.2	+0.2	+0.0	36.3	46.0	-9.7	Black
53	4.947M	29.4	+0.1	+6.2	+0.2	+0.2	+0.0	36.1	46.0	-9.9	Black
54	242.355k	35.4	+0.2	+6.1	+0.1	+0.1	+0.0	41.9	52.0	-10.1	Black

55	588.118k Ave	29.0	+0.2	+6.1	+0.1	+0.1	+0.0	35.5	46.0	-10.5	Black
^	588.118k	41.1	+0.2	+6.1	+0.1	+0.1	+0.0	47.6	46.0	+1.6	Black
57	248.900k	34.5	+0.2	+6.1	+0.1	+0.1	+0.0	41.0	51.8	-10.8	Black
58	497.867k Ave	28.4	+0.2	+6.2	+0.1	+0.1	+0.0	35.0	46.0	-11.0	Black
^	497.867k	43.8	+0.2	+6.2	+0.1	+0.1	+0.0	50.4	46.0	+4.4	Black
60	209.631k	34.0	+0.2	+6.1	+0.1	+0.1	+0.0	40.5	53.2	-12.7	Black
61	1.094M Ave	26.2	+0.1	+6.1	+0.0	+0.1	+0.0	32.5	46.0	-13.5	Black
^	1.094M	38.8	+0.1	+6.1	+0.0	+0.1	+0.0	45.1	46.0	-0.9	Black
63	864.116k Ave	26.2	+0.1	+6.1	+0.0	+0.1	+0.0	32.5	46.0	-13.5	Black
^	864.116k	43.6	+0.1	+6.1	+0.0	+0.1	+0.0	49.9	46.0	+3.9	Black
65	171.089k	34.5	+0.4	+6.2	+0.1	+0.1	+0.0	41.3	54.9	-13.6	Black
66	5.011M	29.3	+0.1	+6.2	+0.2	+0.2	+0.0	36.0	50.0	-14.0	Black
67	717.948k Ave	25.0	+0.1	+6.1	+0.1	+0.1	+0.0	31.4	46.0	-14.6	Black
^	717.948k	38.5	+0.1	+6.1	+0.1	+0.1	+0.0	44.9	46.0	-1.1	Black
69	5.238M	28.6	+0.1	+6.2	+0.2	+0.2	+0.0	35.3	50.0	-14.7	Black
70	5.274M	28.4	+0.1	+6.2	+0.2	+0.2	+0.0	35.1	50.0	-14.9	Black
71	1.651M Ave	24.1	+0.1	+6.1	+0.1	+0.1	+0.0	30.5	46.0	-15.5	Black
^	1.651M	39.4	+0.1	+6.1	+0.1	+0.1	+0.0	45.8	46.0	-0.2	Black
73	2.000M Ave	24.0	+0.1	+6.1	+0.1	+0.1	+0.0	30.4	46.0	-15.6	Black
^	2.000M	40.6	+0.1	+6.1	+0.1	+0.1	+0.0	47.0	46.0	+1.0	Black
75	1.779M Ave	23.9	+0.1	+6.1	+0.1	+0.1	+0.0	30.3	46.0	-15.7	Black
^	1.779M	39.9	+0.1	+6.1	+0.1	+0.1	+0.0	46.3	46.0	+0.3	Black
77	525.238k Ave	23.7	+0.2	+6.2	+0.1	+0.1	+0.0	30.3	46.0	-15.7	Black
^	525.238k	42.7	+0.2	+6.2	+0.1	+0.1	+0.0	49.3	46.0	+3.3	Black

79	1.290M Ave	23.0	+0.1	+6.1	+0.0	+0.1	+0.0	29.3	46.0	-16.7	Black
^	1.290M	41.3	+0.1	+6.1	+0.0	+0.1	+0.0	47.6	46.0	+1.6	Black
81	1.779M Ave	22.7	+0.1	+6.1	+0.1	+0.1	+0.0	29.1	46.0	-16.9	Black
82	1.422M Ave	22.7	+0.1	+6.1	+0.0	+0.1	+0.0	29.0	46.0	-17.0	Black
^	1.422M	41.0	+0.1	+6.1	+0.0	+0.1	+0.0	47.3	46.0	+1.3	Black
84	848.118k Ave	18.0	+0.1	+6.1	+0.0	+0.1	+0.0	24.3	46.0	-21.7	Black
^	848.118k	43.4	+0.1	+6.1	+0.0	+0.1	+0.0	49.7	46.0	+3.7	Black
86	765.943k Ave	15.1	+0.1	+6.1	+0.1	+0.1	+0.0	21.5	46.0	-24.5	Black
^	765.944k	38.5	+0.1	+6.1	+0.1	+0.1	+0.0	44.9	46.0	-1.1	Black
^	767.398k	36.3	+0.1	+6.1	+0.1	+0.1	+0.0	42.7	46.0	-3.3	Black
^	770.307k	35.5	+0.1	+6.1	+0.1	+0.1	+0.0	41.9	46.0	-4.1	Black
90	757.217k Ave	14.5	+0.1	+6.1	+0.1	+0.1	+0.0	20.9	46.0	-25.1	Black
^	757.217k	37.4	+0.1	+6.1	+0.1	+0.1	+0.0	43.8	46.0	-2.2	Black
^	754.308k	36.5	+0.1	+6.1	+0.1	+0.1	+0.0	42.9	46.0	-3.1	Black
^	760.126k	35.8	+0.1	+6.1	+0.1	+0.1	+0.0	42.2	46.0	-3.8	Black
94	384.888k Ave	16.5	+0.2	+6.2	+0.1	+0.0	+0.0	23.0	48.2	-25.2	Black
^	384.888k	42.6	+0.2	+6.2	+0.1	+0.0	+0.0	49.1	48.2	+0.9	Black
^	389.251k	39.6	+0.2	+6.2	+0.1	+0.0	+0.0	46.1	48.1	-2.0	Black
97	624.866k Ave	14.1	+0.2	+6.1	+0.1	+0.1	+0.0	20.6	46.0	-25.4	Black
^	624.866k	37.9	+0.2	+6.1	+0.1	+0.1	+0.0	44.4	46.0	-1.6	Black
99	556.508k Ave	13.6	+0.2	+6.1	+0.1	+0.1	+0.0	20.1	46.0	-25.9	Black
^	556.508k	41.3	+0.2	+6.1	+0.1	+0.1	+0.0	47.8	46.0	+1.8	Black
101	609.594k Ave	11.9	+0.2	+6.1	+0.1	+0.1	+0.0	18.4	46.0	-27.6	Black
^	609.594k	40.5	+0.2	+6.1	+0.1	+0.1	+0.0	47.0	46.0	+1.0	Black

103	477.970k Ave	9.8	+0.2	+6.2	+0.1	+0.1	+0.0	16.4	46.4	-30.0	Black
^	477.970k	38.4	+0.2	+6.2	+0.1	+0.1	+0.0	45.0	46.4	-1.4	Black
105	343.437k Ave	12.5	+0.2	+6.2	+0.1	+0.1	+0.0	19.1	49.1	-30.0	Black
^	343.437k	42.2	+0.2	+6.2	+0.1	+0.1	+0.0	48.8	49.1	-0.3	Black
^	347.073k	40.6	+0.2	+6.2	+0.1	+0.0	+0.0	47.1	49.0	-1.9	Black
^	339.801k	34.5	+0.2	+6.2	+0.1	+0.1	+0.0	41.1	49.2	-8.1	Black
^	341.255k	32.9	+0.2	+6.2	+0.1	+0.1	+0.0	39.5	49.2	-9.7	Black
110	317.985k Ave	9.8	+0.2	+6.2	+0.1	+0.1	+0.0	16.4	49.8	-33.4	Black
^	317.985k	43.7	+0.2	+6.2	+0.1	+0.1	+0.0	50.3	49.8	+0.5	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 #:	**87002**	Date:	9/10/2007
Test Type:	**Conducted Emissions**	Time:	10:42:06
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	31
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 receive in 802.11b mode, middle channel. Display and hard drives are exercised. 22°C, 49% relative humidity.

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	2.795M	37.1	+0.1	+6.2	+0.1	+0.2	+0.0	43.7	46.0	-2.3	White
2	2.902M	37.0	+0.1	+6.2	+0.1	+0.2	+0.0	43.6	46.0	-2.4	White
3	315.075k	40.2	+0.2	+6.2	+0.1	+0.1	+0.0	46.8	49.8	-3.0	White
4	452.517k	36.8	+0.2	+6.2	+0.1	+0.1	+0.0	43.4	46.8	-3.4	White

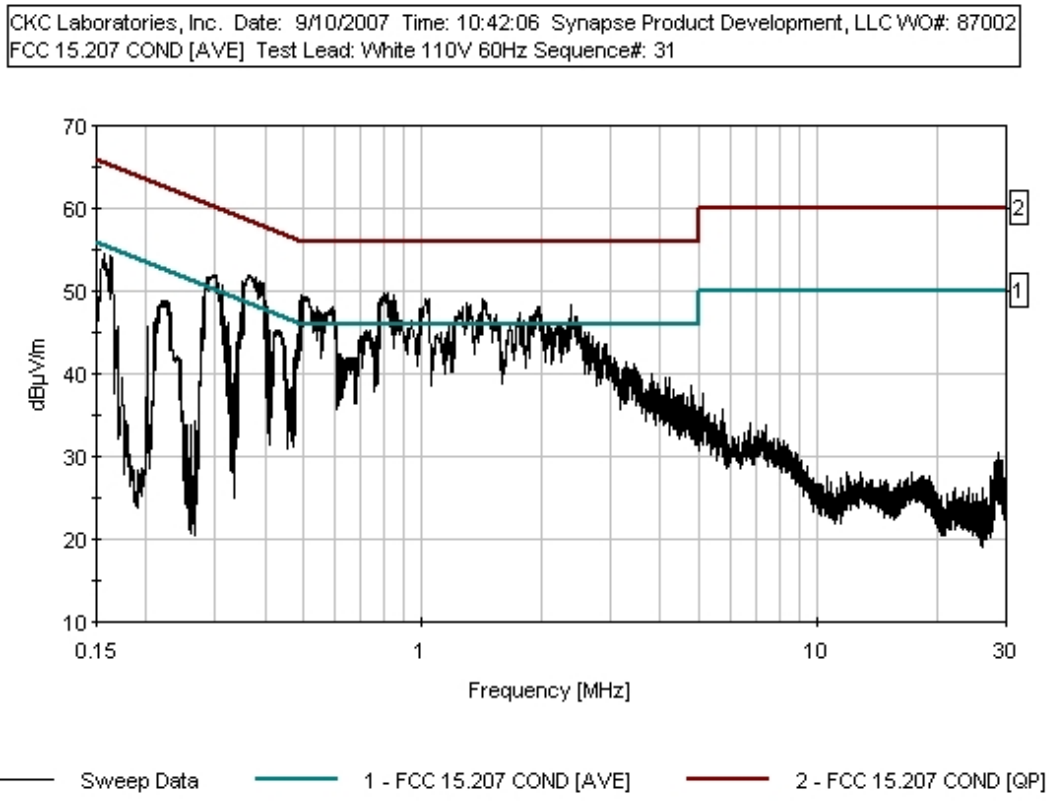
5	321.620k	39.5	+0.2	+6.2	+0.1	+0.1	+0.0	46.1	49.7	-3.6	White
6	613.229k	35.8	+0.2	+6.1	+0.1	+0.1	+0.0	42.3	46.0	-3.7	White
7	621.956k	35.8	+0.2	+6.1	+0.1	+0.1	+0.0	42.3	46.0	-3.7	White
8	221.992k	42.2	+0.2	+6.1	+0.1	+0.2	+0.0	48.8	52.7	-3.9	White
9	678.678k	35.5	+0.2	+6.1	+0.1	+0.1	+0.0	42.0	46.0	-4.0	White
10	627.773k	35.4	+0.2	+6.1	+0.1	+0.1	+0.0	41.9	46.0	-4.1	White
11	649.590k	35.4	+0.2	+6.1	+0.1	+0.1	+0.0	41.9	46.0	-4.1	White
12	683.041k	35.2	+0.2	+6.1	+0.1	+0.1	+0.0	41.7	46.0	-4.3	White
13	229.992k	41.5	+0.2	+6.1	+0.1	+0.2	+0.0	48.1	52.5	-4.4	White
14	473.606k	35.4	+0.2	+6.2	+0.1	+0.1	+0.0	42.0	46.5	-4.5	White
15	3.263M	34.9	+0.1	+6.2	+0.1	+0.2	+0.0	41.5	46.0	-4.5	White
16	415.429k	36.1	+0.2	+6.2	+0.1	+0.1	+0.0	42.7	47.5	-4.8	White
17	616.865k	34.6	+0.2	+6.1	+0.1	+0.1	+0.0	41.1	46.0	-4.9	White
18	3.433M	34.4	+0.1	+6.2	+0.2	+0.2	+0.0	41.1	46.0	-4.9	White
19	231.446k	40.8	+0.2	+6.1	+0.1	+0.2	+0.0	47.4	52.4	-5.0	White
20	472.151k	34.9	+0.2	+6.2	+0.1	+0.1	+0.0	41.5	46.5	-5.0	White
21	417.611k	35.8	+0.2	+6.2	+0.1	+0.1	+0.0	42.4	47.5	-5.1	White
22	3.331M	34.2	+0.1	+6.2	+0.1	+0.2	+0.0	40.8	46.0	-5.2	White
23	340.527k	37.2	+0.2	+6.2	+0.1	+0.1	+0.0	43.8	49.2	-5.4	White
24	3.488M	33.9	+0.1	+6.2	+0.2	+0.2	+0.0	40.6	46.0	-5.4	White
25	275.079k	39.0	+0.2	+6.1	+0.1	+0.1	+0.0	45.5	51.0	-5.5	White
26	413.975k	35.5	+0.2	+6.2	+0.1	+0.1	+0.0	42.1	47.6	-5.5	White
27	3.203M	33.9	+0.1	+6.2	+0.1	+0.2	+0.0	40.5	46.0	-5.5	White
28	341.981k	36.9	+0.2	+6.2	+0.1	+0.1	+0.0	43.5	49.2	-5.7	White

29	3.527M	33.6	+0.1	+6.2	+0.2	+0.2	+0.0	40.3	46.0	-5.7	White
30	3.497M	33.4	+0.1	+6.2	+0.2	+0.2	+0.0	40.1	46.0	-5.9	White
31	364.368k Ave	35.9	+0.2	+6.2	+0.1	+0.1	+0.0	42.5	48.6	-6.1	White
^	364.368k	45.1	+0.2	+6.2	+0.1	+0.1	+0.0	51.7	48.6	+3.1	White
33	327.437k	36.8	+0.2	+6.2	+0.1	+0.1	+0.0	43.4	49.5	-6.1	White
34	3.807M	33.2	+0.1	+6.2	+0.2	+0.2	+0.0	39.9	46.0	-6.1	White
35	292.450k Ave	37.7	+0.2	+6.2	+0.1	+0.1	+0.0	44.3	50.5	-6.2	White
36	4.139M	32.9	+0.1	+6.2	+0.2	+0.2	+0.0	39.6	46.0	-6.4	White
37	292.450k Ave	37.4	+0.2	+6.2	+0.1	+0.1	+0.0	44.0	50.5	-6.5	White
38	4.241M	32.8	+0.1	+6.2	+0.2	+0.2	+0.0	39.5	46.0	-6.5	White
39	291.896k Ave	37.2	+0.2	+6.2	+0.1	+0.1	+0.0	43.8	50.5	-6.7	White
^	293.698k	45.3	+0.2	+6.2	+0.1	+0.1	+0.0	51.9	50.4	+1.5	White
^	292.450k	45.3	+0.2	+6.2	+0.1	+0.1	+0.0	51.9	50.5	+1.4	White
^	292.900k	45.2	+0.2	+6.2	+0.1	+0.1	+0.0	51.8	50.4	+1.4	White
^	292.450k	45.2	+0.2	+6.2	+0.1	+0.1	+0.0	51.8	50.5	+1.3	White
^	291.896k	44.9	+0.2	+6.2	+0.1	+0.1	+0.0	51.5	50.5	+1.0	White
45	324.528k	36.3	+0.2	+6.2	+0.1	+0.1	+0.0	42.9	49.6	-6.7	White
46	293.698k Ave	36.9	+0.2	+6.2	+0.1	+0.1	+0.0	43.5	50.4	-6.9	White
47	209.630k	39.7	+0.2	+6.1	+0.1	+0.2	+0.0	46.3	53.2	-6.9	White
48	292.900k Ave	36.8	+0.2	+6.2	+0.1	+0.1	+0.0	43.4	50.4	-7.0	White
49	3.863M	32.3	+0.1	+6.2	+0.2	+0.2	+0.0	39.0	46.0	-7.0	White
50	3.952M	32.0	+0.1	+6.2	+0.2	+0.2	+0.0	38.7	46.0	-7.3	White
51	4.207M	32.0	+0.1	+6.2	+0.2	+0.2	+0.0	38.7	46.0	-7.3	White
52	4.794M	31.8	+0.1	+6.2	+0.2	+0.2	+0.0	38.5	46.0	-7.5	White

53	4.190M	31.7	+0.1	+6.2	+0.2	+0.2	+0.0	38.4	46.0	-7.6	White
54	201.631k	39.1	+0.2	+6.1	+0.1	+0.2	+0.0	45.7	53.5	-7.8	White
55	799.394k Ave	31.6	+0.1	+6.1	+0.1	+0.1	+0.0	38.0	46.0	-8.0	White
56	3.880M	31.3	+0.1	+6.2	+0.2	+0.2	+0.0	38.0	46.0	-8.0	White
57	3.990M	31.3	+0.1	+6.2	+0.2	+0.2	+0.0	38.0	46.0	-8.0	White
58	509.057k Ave	31.1	+0.2	+6.2	+0.1	+0.1	+0.0	37.7	46.0	-8.3	White
59	467.788k	31.7	+0.2	+6.2	+0.1	+0.1	+0.0	38.3	46.6	-8.3	White
60	4.552M	31.0	+0.1	+6.2	+0.2	+0.2	+0.0	37.7	46.0	-8.3	White
61	456.880k	31.6	+0.2	+6.2	+0.1	+0.1	+0.0	38.2	46.7	-8.5	White
62	4.028M	30.8	+0.1	+6.2	+0.2	+0.2	+0.0	37.5	46.0	-8.5	White
63	799.394k Ave	31.0	+0.1	+6.1	+0.1	+0.1	+0.0	37.4	46.0	-8.6	White
^	799.394k	43.3	+0.1	+6.1	+0.1	+0.1	+0.0	49.7	46.0	+3.7	White
65	4.819M	30.7	+0.1	+6.2	+0.2	+0.2	+0.0	37.4	46.0	-8.6	White
66	4.101M	30.6	+0.1	+6.2	+0.2	+0.2	+0.0	37.3	46.0	-8.7	White
67	4.543M	30.6	+0.1	+6.2	+0.2	+0.2	+0.0	37.3	46.0	-8.7	White
68	470.697k	31.1	+0.2	+6.2	+0.1	+0.1	+0.0	37.7	46.5	-8.8	White
69	4.692M	30.5	+0.1	+6.2	+0.2	+0.2	+0.0	37.2	46.0	-8.8	White
70	2.387M Ave	27.5	+0.1	+6.2	+0.1	+0.2	+0.0	34.1	46.0	-11.9	White
^	2.387M	41.8	+0.1	+6.2	+0.1	+0.2	+0.0	48.4	46.0	+2.4	White
72	720.856k Ave	26.5	+0.1	+6.1	+0.1	+0.1	+0.0	32.9	46.0	-13.1	White
^	720.856k	38.8	+0.1	+6.1	+0.1	+0.1	+0.0	45.2	46.0	-0.8	White
74	1.660M Ave	25.8	+0.1	+6.1	+0.1	+0.1	+0.0	32.2	46.0	-13.8	White
^	1.660M	39.5	+0.1	+6.1	+0.1	+0.1	+0.0	45.9	46.0	-0.1	White
76	299.803k Ave	29.3	+0.2	+6.2	+0.1	+0.1	+0.0	35.9	50.2	-14.3	White
^	299.803k	45.3	+0.2	+6.2	+0.1	+0.1	+0.0	51.9	50.2	+1.7	White

78	2.208M Ave	25.1	+0.1	+6.1	+0.1	+0.1	+0.0	31.5	46.0	-14.5	White
^	2.208M	39.9	+0.1	+6.1	+0.1	+0.1	+0.0	46.3	46.0	+0.3	White
80	592.867k Ave	25.0	+0.2	+6.1	+0.1	+0.1	+0.0	31.5	46.0	-14.5	White
^	592.867k	41.5	+0.2	+6.1	+0.1	+0.1	+0.0	48.0	46.0	+2.0	White
82	430.701k Ave	25.6	+0.2	+6.2	+0.1	+0.1	+0.0	32.2	47.2	-15.0	White
^	430.701k	38.7	+0.2	+6.2	+0.1	+0.1	+0.0	45.3	47.2	-1.9	White
84	1.426M Ave	24.6	+0.1	+6.1	+0.0	+0.1	+0.0	30.9	46.0	-15.1	White
^	1.426M	42.8	+0.1	+6.1	+0.0	+0.1	+0.0	49.1	46.0	+3.1	White
86	280.896k Ave	28.5	+0.2	+6.1	+0.1	+0.1	+0.0	35.0	50.8	-15.8	White
^	280.896k	43.7	+0.2	+6.1	+0.1	+0.1	+0.0	50.2	50.8	-0.6	White
^	277.987k	42.7	+0.2	+6.1	+0.1	+0.1	+0.0	49.2	50.9	-1.7	White
89	850.298k Ave	20.9	+0.1	+6.1	+0.0	+0.1	+0.0	27.2	46.0	-18.8	White
^	850.298k	42.7	+0.1	+6.1	+0.0	+0.1	+0.0	49.0	46.0	+3.0	White
91	489.604k Ave	20.6	+0.2	+6.2	+0.1	+0.1	+0.0	27.2	46.2	-19.0	White
^	489.604k	42.1	+0.2	+6.2	+0.1	+0.1	+0.0	48.7	46.2	+2.5	White
93	153.127k Ave	27.5	+2.0	+6.2	+0.1	+0.2	+0.0	36.0	55.8	-19.8	White
^	156.544k	46.7	+1.3	+6.2	+0.1	+0.2	+0.0	54.5	55.6	-1.1	White
95	765.215k Ave	18.6	+0.1	+6.1	+0.1	+0.1	+0.0	25.0	46.0	-21.0	White
^	765.215k	38.2	+0.1	+6.1	+0.1	+0.1	+0.0	44.6	46.0	-1.4	White
^	763.761k	37.4	+0.1	+6.1	+0.1	+0.1	+0.0	43.8	46.0	-2.2	White
^	760.852k	36.8	+0.1	+6.1	+0.1	+0.1	+0.0	43.2	46.0	-2.8	White
99	701.221k Ave	17.4	+0.2	+6.1	+0.1	+0.1	+0.0	23.9	46.0	-22.1	White
^	701.221k	38.1	+0.2	+6.1	+0.1	+0.1	+0.0	44.6	46.0	-1.4	White
101	397.976k Ave	15.2	+0.2	+6.2	+0.1	+0.1	+0.0	21.8	47.9	-26.1	White
^	397.976k	44.4	+0.2	+6.2	+0.1	+0.1	+0.0	51.0	47.9	+3.1	White

103	405.976k Ave	13.0	+0.2	+6.2	+0.1	+0.1	+0.0	19.6	47.7	-28.1	White
^	405.976k	41.6	+0.2	+6.2	+0.1	+0.1	+0.0	48.2	47.7	+0.5	White
^	409.612k	38.7	+0.2	+6.2	+0.1	+0.1	+0.0	45.3	47.7	-2.4	White
^	408.157k	34.1	+0.2	+6.2	+0.1	+0.1	+0.0	40.7	47.7	-7.0	White
107	161.634k Ave	17.8	+0.6	+6.2	+0.1	+0.2	+0.0	24.9	55.4	-30.5	White
^	161.634k	47.3	+0.6	+6.2	+0.1	+0.2	+0.0	54.4	55.4	-1.0	White
^	165.270k	47.0	+0.5	+6.2	+0.1	+0.2	+0.0	54.0	55.2	-1.2	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 #:	**87002**	Date:	9/10/2007
Test Type:	**Conducted Emissions**	Time:	11:22:35
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	32
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 receive in 802.11g mode, middle channel. Display and hard drives are exercised. 22°C, 49% relative humidity.

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

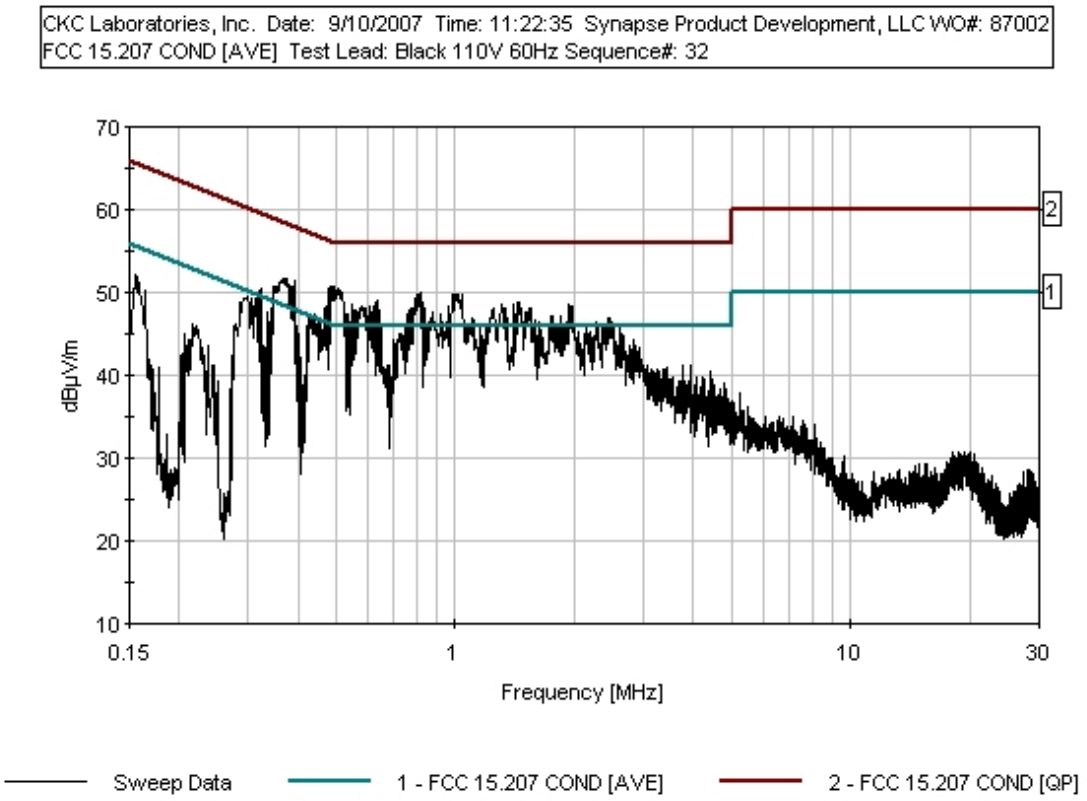
Measurement Data: Reading listed by margin. Test Lead: Black

#	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	696.858k	37.7	+0.2	+6.1	+0.1	+0.1	+0.0	44.2	46.0	-1.8	Black
2	707.039k	37.3	+0.2	+6.1	+0.1	+0.1	+0.0	43.8	46.0	-2.2	Black
3	2.855M	37.0	+0.1	+6.2	+0.1	+0.2	+0.0	43.6	46.0	-2.4	Black
4	403.794k	38.4	+0.2	+6.2	+0.1	+0.0	+0.0	44.9	47.8	-2.9	Black

5	155.817k	44.4	+1.4	+6.2	+0.1	+0.1	+0.0	52.2	55.7	-3.5	Black
6	508.392k Ave	35.1	+0.2	+6.2	+0.1	+0.1	+0.0	41.7	46.0	-4.3	Black
7	675.042k	34.8	+0.2	+6.1	+0.1	+0.1	+0.0	41.3	46.0	-4.7	Black
8	683.041k	34.8	+0.2	+6.1	+0.1	+0.1	+0.0	41.3	46.0	-4.7	Black
9	3.769M	34.6	+0.1	+6.2	+0.2	+0.2	+0.0	41.3	46.0	-4.7	Black
10	364.685k Ave	37.3	+0.2	+6.2	+0.1	+0.0	+0.0	43.8	48.6	-4.8	Black
11	165.270k	43.4	+0.5	+6.2	+0.1	+0.1	+0.0	50.3	55.2	-4.9	Black
12	3.948M	34.4	+0.1	+6.2	+0.2	+0.2	+0.0	41.1	46.0	-4.9	Black
13	3.425M	34.2	+0.1	+6.2	+0.2	+0.2	+0.0	40.9	46.0	-5.1	Black
14	3.140M	34.1	+0.1	+6.2	+0.1	+0.2	+0.0	40.7	46.0	-5.3	Black
15	3.250M	34.1	+0.1	+6.2	+0.1	+0.2	+0.0	40.7	46.0	-5.3	Black
16	3.357M	34.0	+0.1	+6.2	+0.2	+0.2	+0.0	40.7	46.0	-5.3	Black
17	680.859k	34.1	+0.2	+6.1	+0.1	+0.1	+0.0	40.6	46.0	-5.4	Black
18	365.802k Ave	34.2	+0.2	+6.2	+0.1	+0.0	+0.0	40.7	48.6	-7.9	Black
^	365.802k	44.8	+0.2	+6.2	+0.1	+0.0	+0.0	51.3	48.6	+2.7	Black
20	802.983k Ave	30.6	+0.1	+6.1	+0.1	+0.1	+0.0	37.0	46.0	-9.0	Black
^	802.983k	42.2	+0.1	+6.1	+0.1	+0.1	+0.0	48.6	46.0	+2.6	Black
22	1.009M Ave	30.2	+0.1	+6.1	+0.0	+0.1	+0.0	36.5	46.0	-9.5	Black
^	1.009M	43.6	+0.1	+6.1	+0.0	+0.1	+0.0	49.9	46.0	+3.9	Black
24	1.307M Ave	29.5	+0.1	+6.1	+0.0	+0.1	+0.0	35.8	46.0	-10.2	Black
^	1.307M	42.2	+0.1	+6.1	+0.0	+0.1	+0.0	48.5	46.0	+2.5	Black
26	1.753M Ave	26.6	+0.1	+6.1	+0.1	+0.1	+0.0	33.0	46.0	-13.0	Black
^	1.753M	40.8	+0.1	+6.1	+0.1	+0.1	+0.0	47.2	46.0	+1.2	Black
28	953.012k Ave	26.6	+0.1	+6.1	+0.0	+0.1	+0.0	32.9	46.0	-13.1	Black

29	2.285M Ave	24.4	+0.1	+6.2	+0.1	+0.2	+0.0	31.0	46.0	-15.0	Black
^	2.285M	39.8	+0.1	+6.2	+0.1	+0.2	+0.0	46.4	46.0	+0.4	Black
31	427.697k Ave	25.1	+0.2	+6.2	+0.1	+0.0	+0.0	31.6	47.3	-15.7	Black
^	427.697k	40.3	+0.2	+6.2	+0.1	+0.0	+0.0	46.8	47.3	-0.5	Black
33	443.063k Ave	24.4	+0.2	+6.2	+0.1	+0.0	+0.0	30.9	47.0	-16.1	Black
^	443.063k	40.8	+0.2	+6.2	+0.1	+0.0	+0.0	47.3	47.0	+0.3	Black
35	640.863k Ave	23.1	+0.2	+6.1	+0.1	+0.1	+0.0	29.6	46.0	-16.4	Black
^	640.863k	41.4	+0.2	+6.1	+0.1	+0.1	+0.0	47.9	46.0	+1.9	Black
37	1.154M Ave	22.5	+0.1	+6.1	+0.0	+0.1	+0.0	28.8	46.0	-17.2	Black
^	1.154M	39.6	+0.1	+6.1	+0.0	+0.1	+0.0	45.9	46.0	-0.1	Black
39	820.483k Ave	21.7	+0.1	+6.1	+0.1	+0.1	+0.0	28.1	46.0	-17.9	Black
^	820.483k	43.6	+0.1	+6.1	+0.1	+0.1	+0.0	50.0	46.0	+4.0	Black
41	987.776k Ave	21.6	+0.1	+6.1	+0.0	+0.1	+0.0	27.9	46.0	-18.1	Black
^	987.776k	43.5	+0.1	+6.1	+0.0	+0.1	+0.0	49.8	46.0	+3.8	Black
43	1.626M Ave	21.0	+0.1	+6.1	+0.1	+0.1	+0.0	27.4	46.0	-18.6	Black
^	1.626M	40.0	+0.1	+6.1	+0.1	+0.1	+0.0	46.4	46.0	+0.4	Black
45	485.241k Ave	19.8	+0.2	+6.2	+0.1	+0.1	+0.0	26.4	46.2	-19.8	Black
^	485.241k	44.1	+0.2	+6.2	+0.1	+0.1	+0.0	50.7	46.2	+4.5	Black
47	966.512k Ave	19.6	+0.1	+6.1	+0.0	+0.1	+0.0	25.9	46.0	-20.1	Black
48	966.512k Ave	19.2	+0.1	+6.1	+0.0	+0.1	+0.0	25.5	46.0	-20.5	Black
^	966.512k	42.0	+0.1	+6.1	+0.0	+0.1	+0.0	48.3	46.0	+2.3	Black
50	619.774k Ave	16.6	+0.2	+6.1	+0.1	+0.1	+0.0	23.1	46.0	-22.9	Black
^	619.774k	41.9	+0.2	+6.1	+0.1	+0.1	+0.0	48.4	46.0	+2.4	Black
52	839.390k Ave	15.6	+0.1	+6.1	+0.0	+0.1	+0.0	21.9	46.0	-24.1	Black
^	839.390k	39.9	+0.1	+6.1	+0.0	+0.1	+0.0	46.2	46.0	+0.2	Black

54	455.426k Ave	14.9	+0.2	+6.2	+0.1	+0.1	+0.0	21.5	46.8	-25.3	Black
^	455.426k	39.8	+0.2	+6.2	+0.1	+0.1	+0.0	46.4	46.8	-0.4	Black
56	315.802k Ave	12.9	+0.2	+6.2	+0.1	+0.1	+0.0	19.5	49.8	-30.3	Black
^	315.802k	42.6	+0.2	+6.2	+0.1	+0.1	+0.0	49.2	49.8	-0.6	Black
^	313.620k	42.6	+0.2	+6.2	+0.1	+0.1	+0.0	49.2	49.9	-0.7	Black
59	393.613k Ave	10.4	+0.2	+6.2	+0.1	+0.0	+0.0	16.9	48.0	-31.1	Black
^	393.613k	44.9	+0.2	+6.2	+0.1	+0.0	+0.0	51.4	48.0	+3.4	Black
^	397.976k	39.5	+0.2	+6.2	+0.1	+0.0	+0.0	46.0	47.9	-1.9	Black
62	321.620k Ave	10.3	+0.2	+6.2	+0.1	+0.1	+0.0	16.9	49.7	-32.8	Black
^	321.620k	43.8	+0.2	+6.2	+0.1	+0.1	+0.0	50.4	49.7	+0.7	Black
^	325.256k	40.7	+0.2	+6.2	+0.1	+0.1	+0.0	47.3	49.6	-2.3	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 #:	**87002**	Date:	9/10/2007
Test Type:	**Conducted Emissions**	Time:	10:59:33
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	32
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 receive in 802.11g mode, middle channel. Display and hard drives are exercised. 22°C, 49% relative humidity.

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

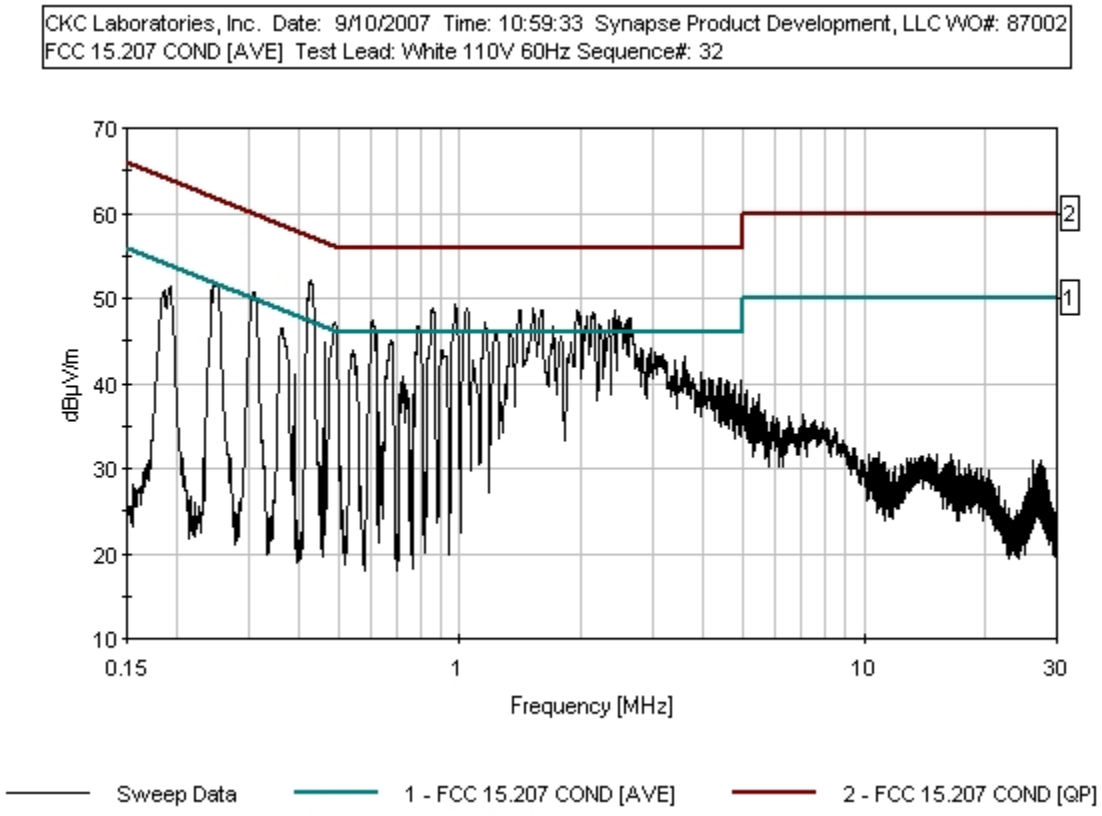
#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	363.798k	39.9	+0.2	+6.2	+0.1	+0.1	+0.0	46.5	48.6	-2.1	White
2	898.469k	37.6	+0.1	+6.1	+0.0	+0.1	+0.0	43.9	46.0	-2.1	White
3	544.872k	37.3	+0.2	+6.1	+0.1	+0.1	+0.0	43.8	46.0	-2.2	White
4	192.177k	44.7	+0.2	+6.1	+0.1	+0.2	+0.0	51.3	53.9	-2.6	White
5	3.590M	36.5	+0.1	+6.2	+0.2	+0.2	+0.0	43.2	46.0	-2.8	White

6	685.223k	36.4	+0.2	+6.1	+0.1	+0.1	+0.0	42.9	46.0	-3.1	White
7	426.337k Ave	37.4	+0.2	+6.2	+0.1	+0.1	+0.0	44.0	47.3	-3.3	White
^	426.337k	45.5	+0.2	+6.2	+0.1	+0.1	+0.0	52.1	47.3	+4.8	White
9	1.077M	36.4	+0.1	+6.1	+0.0	+0.1	+0.0	42.7	46.0	-3.3	White
10	3.403M	35.9	+0.1	+6.2	+0.2	+0.2	+0.0	42.6	46.0	-3.4	White
11	721.583k	34.4	+0.1	+6.1	+0.1	+0.1	+0.0	40.8	46.0	-5.2	White
12	4.420M	33.9	+0.1	+6.2	+0.2	+0.2	+0.0	40.6	46.0	-5.4	White
13	4.577M	33.7	+0.1	+6.2	+0.2	+0.2	+0.0	40.4	46.0	-5.6	White
14	4.947M	33.6	+0.1	+6.2	+0.2	+0.2	+0.0	40.3	46.0	-5.7	White
15	289.684k Ave	38.1	+0.2	+6.2	+0.1	+0.1	+0.0	44.7	50.5	-5.8	White
16	4.611M	33.4	+0.1	+6.2	+0.2	+0.2	+0.0	40.1	46.0	-5.9	White
17	729.582k	33.5	+0.1	+6.1	+0.1	+0.1	+0.0	39.9	46.0	-6.1	White
18	4.526M	33.2	+0.1	+6.2	+0.2	+0.2	+0.0	39.9	46.0	-6.1	White
19	4.764M	33.2	+0.1	+6.2	+0.2	+0.2	+0.0	39.9	46.0	-6.1	White
20	741.218k	32.8	+0.1	+6.1	+0.1	+0.1	+0.0	39.2	46.0	-6.8	White
21	501.763k Ave	32.3	+0.2	+6.2	+0.1	+0.1	+0.0	38.9	46.0	-7.1	White
^	501.763k	43.3	+0.2	+6.2	+0.1	+0.1	+0.0	49.9	46.0	+3.9	White
23	388.523k	34.4	+0.2	+6.2	+0.1	+0.1	+0.0	41.0	48.1	-7.1	White
24	766.670k	32.4	+0.1	+6.1	+0.1	+0.1	+0.0	38.8	46.0	-7.2	White
25	4.883M	32.1	+0.1	+6.2	+0.2	+0.2	+0.0	38.8	46.0	-7.2	White
26	707.039k	32.1	+0.2	+6.1	+0.1	+0.1	+0.0	38.6	46.0	-7.4	White
27	4.985M	31.3	+0.1	+6.2	+0.2	+0.2	+0.0	38.0	46.0	-8.0	White
28	1.256M	31.6	+0.1	+6.1	+0.0	+0.1	+0.0	37.9	46.0	-8.1	White
29	752.126k	31.4	+0.1	+6.1	+0.1	+0.1	+0.0	37.8	46.0	-8.2	White

30	858.298k Ave	30.4	+0.1	+6.1	+0.0	+0.1	+0.0	36.7	46.0	-9.3	White
^	858.298k	42.6	+0.1	+6.1	+0.0	+0.1	+0.0	48.9	46.0	+2.9	White
32	627.046k	30.2	+0.2	+6.1	+0.1	+0.1	+0.0	36.7	46.0	-9.3	White
33	824.846k	29.8	+0.1	+6.1	+0.1	+0.1	+0.0	36.2	46.0	-9.8	White
34	1.019M Ave	28.9	+0.1	+6.1	+0.0	+0.1	+0.0	35.2	46.0	-10.8	White
35	5.139M	32.3	+0.1	+6.2	+0.2	+0.2	+0.0	39.0	50.0	-11.0	White
36	1.957M Ave	28.4	+0.1	+6.1	+0.1	+0.1	+0.0	34.8	46.0	-11.2	White
^	1.957M	42.1	+0.1	+6.1	+0.1	+0.1	+0.0	48.5	46.0	+2.5	White
38	5.508M	32.1	+0.1	+6.2	+0.2	+0.2	+0.0	38.8	50.0	-11.2	White
39	625.592k	28.2	+0.2	+6.1	+0.1	+0.1	+0.0	34.7	46.0	-11.3	White
40	787.031k Ave	28.2	+0.1	+6.1	+0.1	+0.1	+0.0	34.6	46.0	-11.4	White
^	787.032k	40.2	+0.1	+6.1	+0.1	+0.1	+0.0	46.6	46.0	+0.6	White
42	1.226M Ave	28.0	+0.1	+6.1	+0.0	+0.1	+0.0	34.3	46.0	-11.7	White
^	1.226M	39.7	+0.1	+6.1	+0.0	+0.1	+0.0	46.0	46.0	+0.0	White
44	5.319M	31.6	+0.1	+6.2	+0.2	+0.2	+0.0	38.3	50.0	-11.7	White
45	970.765k Ave	27.9	+0.1	+6.1	+0.0	+0.1	+0.0	34.2	46.0	-11.8	White
^	970.765k	42.9	+0.1	+6.1	+0.0	+0.1	+0.0	49.2	46.0	+3.2	White
47	5.238M	30.4	+0.1	+6.2	+0.2	+0.2	+0.0	37.1	50.0	-12.9	White
48	1.025M Ave	26.6	+0.1	+6.1	+0.0	+0.1	+0.0	32.9	46.0	-13.1	White
49	5.688M	30.1	+0.1	+6.2	+0.2	+0.2	+0.0	36.8	50.0	-13.2	White
50	5.571M	30.0	+0.1	+6.2	+0.2	+0.2	+0.0	36.7	50.0	-13.3	White
51	638.681k	26.0	+0.2	+6.1	+0.1	+0.1	+0.0	32.5	46.0	-13.5	White
52	7.049M	29.5	+0.1	+6.2	+0.2	+0.3	+0.0	36.3	50.0	-13.7	White
53	5.941M	29.5	+0.1	+6.2	+0.2	+0.2	+0.0	36.2	50.0	-13.8	White

54	1.515M Ave	25.6	+0.1	+6.1	+0.1	+0.1	+0.0	32.0	46.0	-14.0	White
55	7.571M	28.7	+0.1	+6.2	+0.3	+0.3	+0.0	35.6	50.0	-14.4	White
56	5.752M	28.7	+0.1	+6.2	+0.2	+0.2	+0.0	35.4	50.0	-14.6	White
57	2.634M Ave	24.6	+0.1	+6.2	+0.1	+0.2	+0.0	31.2	46.0	-14.8	White
^	2.634M	41.0	+0.1	+6.2	+0.1	+0.2	+0.0	47.6	46.0	+1.6	White
59	5.770M	28.1	+0.1	+6.2	+0.2	+0.2	+0.0	34.8	50.0	-15.2	White
60	2.970M Ave	23.7	+0.1	+6.2	+0.1	+0.2	+0.0	30.3	46.0	-15.7	White
^	2.970M	37.5	+0.1	+6.2	+0.1	+0.2	+0.0	44.1	46.0	-1.9	White
62	1.783M Ave	23.9	+0.1	+6.1	+0.1	+0.1	+0.0	30.3	46.0	-15.7	White
^	1.783M	39.1	+0.1	+6.1	+0.1	+0.1	+0.0	45.5	46.0	-0.5	White
64	1.515M Ave	23.7	+0.1	+6.1	+0.1	+0.1	+0.0	30.1	46.0	-15.9	White
^	1.515M	42.5	+0.1	+6.1	+0.1	+0.1	+0.0	48.9	46.0	+2.9	White
66	491.059k Ave	23.5	+0.2	+6.2	+0.1	+0.1	+0.0	30.1	46.1	-16.0	White
^	491.059k	40.6	+0.2	+6.2	+0.1	+0.1	+0.0	47.2	46.1	+1.1	White
68	818.301k	23.2	+0.1	+6.1	+0.1	+0.1	+0.0	29.6	46.0	-16.4	White
69	451.062k	23.7	+0.2	+6.2	+0.1	+0.1	+0.0	30.3	46.9	-16.6	White
70	2.808M Ave	22.7	+0.1	+6.2	+0.1	+0.2	+0.0	29.3	46.0	-16.7	White
^	2.808M	37.6	+0.1	+6.2	+0.1	+0.2	+0.0	44.2	46.0	-1.8	White
72	1.043M Ave	21.7	+0.1	+6.1	+0.0	+0.1	+0.0	28.0	46.0	-18.0	White
^	1.043M	42.5	+0.1	+6.1	+0.0	+0.1	+0.0	48.8	46.0	+2.8	White
74	1.149M Ave	20.8	+0.1	+6.1	+0.0	+0.1	+0.0	27.1	46.0	-18.9	White
^	1.149M	40.8	+0.1	+6.1	+0.0	+0.1	+0.0	47.1	46.0	+1.1	White
76	309.257k Ave	21.4	+0.2	+6.2	+0.1	+0.1	+0.0	28.0	50.0	-22.0	White
^	309.257k	44.1	+0.2	+6.2	+0.1	+0.1	+0.0	50.7	50.0	+0.7	White

78	673.587k Ave	16.1	+0.2	+6.1	+0.1	+0.1	+0.0	22.6	46.0	-23.4	White
^	673.587k	38.5	+0.2	+6.1	+0.1	+0.1	+0.0	45.0	46.0	-1.0	White
80	606.684k Ave	14.6	+0.2	+6.1	+0.1	+0.1	+0.0	21.1	46.0	-24.9	White
^	606.684k	40.8	+0.2	+6.1	+0.1	+0.1	+0.0	47.3	46.0	+1.3	White
82	461.243k Ave	13.7	+0.2	+6.2	+0.1	+0.1	+0.0	20.3	46.7	-26.4	White
^	461.243k	38.3	+0.2	+6.2	+0.1	+0.1	+0.0	44.9	46.7	-1.8	White
84	248.899k Ave	10.5	+0.2	+6.1	+0.1	+0.1	+0.0	17.0	51.8	-34.8	White
^	248.899k	45.1	+0.2	+6.1	+0.1	+0.1	+0.0	51.6	51.8	-0.2	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:	9/5/2007
Test Type:	**Conducted Emissions**	Time:	14:24:56
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	20
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 receive. Hopping, transmit audio data with Bluetooth signal. Display and hard drives are exercised. 23°C, 49% relative humidity.

Transducer Legend:

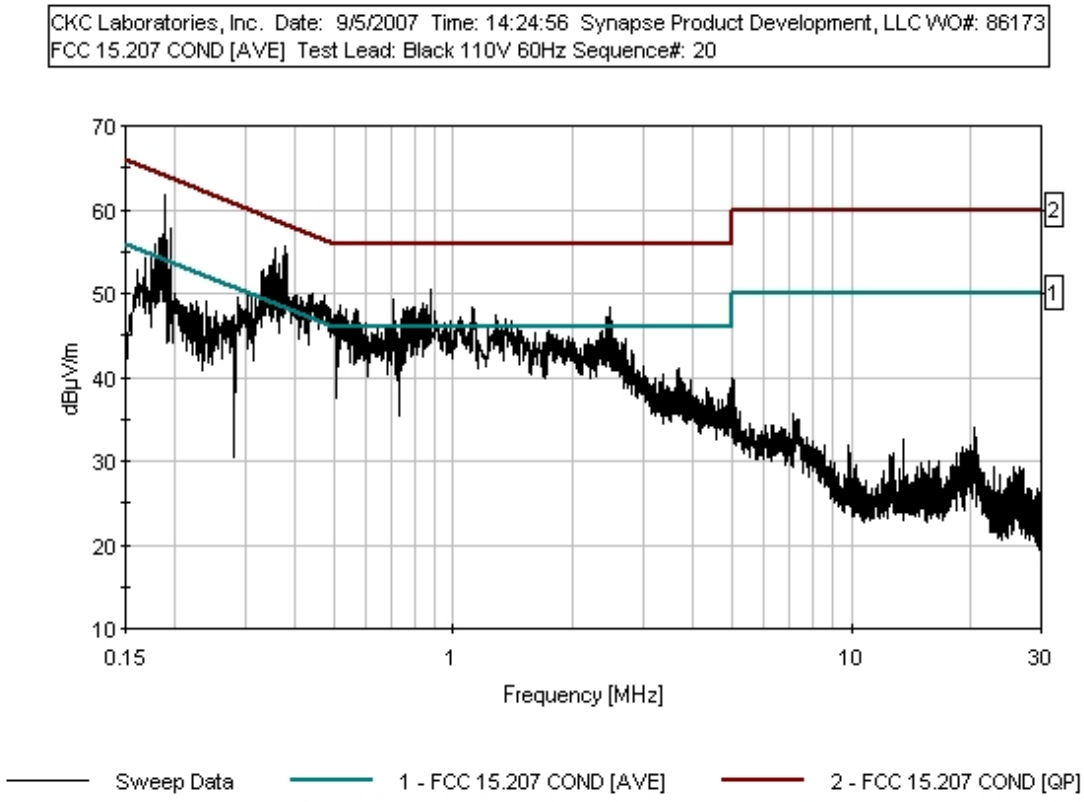
T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM

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	2.842M	36.0	+0.1	+6.2	+0.1	+0.2	+0.0	42.6	46.0	-3.4	Black
2	229.266k	41.3	+0.2	+6.1	+0.1	+0.1	+0.0	47.8	52.5	-4.7	Black
3	245.264k	40.7	+0.2	+6.1	+0.1	+0.1	+0.0	47.2	51.9	-4.7	Black
4	352.890k Ave	29.9	+0.2	+6.2	+0.1	+0.0	+0.0	36.4	48.9	-12.5	Black
^	352.891k	47.4	+0.2	+6.2	+0.1	+0.0	+0.0	53.9	48.9	+5.0	Black

6 Ave	780.488k	26.9	+0.1	+6.1	+0.1	+0.1	+0.0	33.3	46.0	-12.7	Black
^	780.488k	41.5	+0.1	+6.1	+0.1	+0.1	+0.0	47.9	46.0	+1.9	Black
8 Ave	2.463M	26.6	+0.1	+6.2	+0.1	+0.2	+0.0	33.2	46.0	-12.8	Black
^	2.463M	41.7	+0.1	+6.2	+0.1	+0.2	+0.0	48.3	46.0	+2.3	Black
10 Ave	711.403k	26.6	+0.1	+6.1	+0.1	+0.1	+0.0	33.0	46.0	-13.0	Black
^	711.403k	40.2	+0.1	+6.1	+0.1	+0.1	+0.0	46.6	46.0	+0.6	Black
12 Ave	741.946k	26.6	+0.1	+6.1	+0.1	+0.1	+0.0	33.0	46.0	-13.0	Black
^	741.946k	40.5	+0.1	+6.1	+0.1	+0.1	+0.0	46.9	46.0	+0.9	Black
14 Ave	875.024k	26.6	+0.1	+6.1	+0.0	+0.1	+0.0	32.9	46.0	-13.1	Black
^	875.024k	44.1	+0.1	+6.1	+0.0	+0.1	+0.0	50.4	46.0	+4.4	Black
16 Ave	1.115M	26.0	+0.1	+6.1	+0.0	+0.1	+0.0	32.3	46.0	-13.7	Black
^	1.115M	42.1	+0.1	+6.1	+0.0	+0.1	+0.0	48.4	46.0	+2.4	Black
18 Ave	371.798k	28.2	+0.2	+6.2	+0.1	+0.0	+0.0	34.7	48.5	-13.8	Black
^	371.798k	48.0	+0.2	+6.2	+0.1	+0.0	+0.0	54.5	48.5	+6.0	Black
20 Ave	1.677M	25.7	+0.1	+6.1	+0.1	+0.1	+0.0	32.1	46.0	-13.9	Black
^	1.677M	37.8	+0.1	+6.1	+0.1	+0.1	+0.0	44.2	46.0	-1.8	Black
22 Ave	413.249k	27.2	+0.2	+6.2	+0.1	+0.0	+0.0	33.7	47.6	-13.9	Black
^	413.249k	43.0	+0.2	+6.2	+0.1	+0.0	+0.0	49.5	47.6	+1.9	Black
24 Ave	511.421k	25.3	+0.2	+6.2	+0.1	+0.1	+0.0	31.9	46.0	-14.1	Black
^	511.421k	41.4	+0.2	+6.2	+0.1	+0.1	+0.0	48.0	46.0	+2.0	Black
26 Ave	568.143k	25.0	+0.2	+6.1	+0.1	+0.1	+0.0	31.5	46.0	-14.5	Black
^	568.143k	40.2	+0.2	+6.1	+0.1	+0.1	+0.0	46.7	46.0	+0.7	Black
28 Ave	345.618k	27.3	+0.2	+6.2	+0.1	+0.1	+0.0	33.9	49.1	-15.2	Black
^	345.618k	46.8	+0.2	+6.2	+0.1	+0.1	+0.0	53.4	49.1	+4.3	Black

30 Ave	2.702M	23.9	+0.1	+6.2	+0.1	+0.2	+0.0	30.5	46.0	-15.5	Black
^	2.702M	38.0	+0.1	+6.2	+0.1	+0.2	+0.0	44.6	46.0	-1.4	Black
32 Ave	2.799M	22.9	+0.1	+6.2	+0.1	+0.2	+0.0	29.5	46.0	-16.5	Black
^	2.799M	36.6	+0.1	+6.2	+0.1	+0.2	+0.0	43.2	46.0	-2.8	Black
34 Ave	339.801k	25.6	+0.2	+6.2	+0.1	+0.1	+0.0	32.2	49.2	-17.0	Black
^	339.801k	45.6	+0.2	+6.2	+0.1	+0.1	+0.0	52.2	49.2	+3.0	Black
36 Ave	287.442k	25.9	+0.2	+6.2	+0.1	+0.1	+0.0	32.5	50.6	-18.1	Black
^	287.442k	42.9	+0.2	+6.2	+0.1	+0.1	+0.0	49.5	50.6	-1.1	Black
^	288.896k	42.1	+0.2	+6.2	+0.1	+0.1	+0.0	48.7	50.6	-1.9	Black
39 Ave	189.269k	27.9	+0.2	+6.1	+0.1	+0.1	+0.0	34.4	54.1	-19.7	Black
^	189.269k	55.3	+0.2	+6.1	+0.1	+0.1	+0.0	61.8	54.1	+7.7	Black
41 Ave	178.361k	27.5	+0.3	+6.1	+0.1	+0.1	+0.0	34.1	54.6	-20.5	Black
^	178.361k	50.9	+0.3	+6.1	+0.1	+0.1	+0.0	57.5	54.6	+2.9	Black
43 Ave	195.087k	24.5	+0.2	+6.1	+0.1	+0.1	+0.0	31.0	53.8	-22.8	Black
^	195.087k	51.3	+0.2	+6.1	+0.1	+0.1	+0.0	57.8	53.8	+4.0	Black
45 Ave	214.721k	19.6	+0.2	+6.1	+0.1	+0.1	+0.0	26.1	53.0	-26.9	Black
^	214.721k	41.9	+0.2	+6.1	+0.1	+0.1	+0.0	48.4	53.0	-4.6	Black


CKC Laboratories, Inc. Date: 9/5/2007 Time: 14:24:56 Synapse Product Development, LLC WO#: 86173
FCC 15.207 COND [AVE] Test Lead: Black 110V 60Hz Sequence#: 20
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:	9/5/2007
Test Type:	**Conducted Emissions**	Time:	14:39:18
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	21
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 receive in 802.11b mode, Display and hard drives are exercised. 23°C, 49% relative humidity.

Transducer Legend:

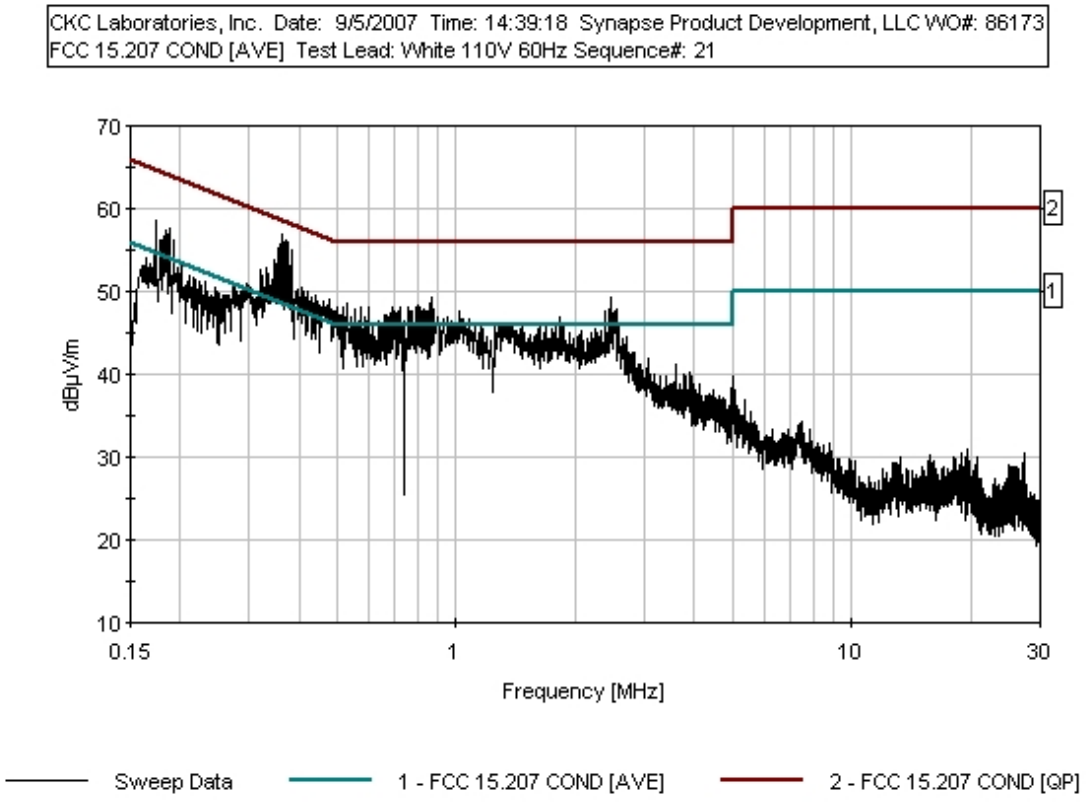
T1=150kHz HPF Asset 02610	T2=6dB Attenuator P05611
T3=Cable #21 Conducted Site A 050908	T4=(L1) Insertion Loss 00847 EMCO 3816/2NM
T5=(L2) Insertion Loss 00847 EMCO 3816/2NM	

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

#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3.607M	34.4	+0.1 +0.0	+6.2	+0.2	+0.2	+0.0	41.1	46.0	-4.9	White
2	3.901M	33.5	+0.1 +0.0	+6.2	+0.2	+0.2	+0.0	40.2	46.0	-5.8	White
3	3.161M	33.5	+0.1 +0.0	+6.2	+0.1	+0.2	+0.0	40.1	46.0	-5.9	White

4	3.948M	33.1	+0.1 +0.0	+6.2	+0.2	+0.2	+0.0	39.8	46.0	-6.2	White
5	355.072k Ave	30.3	+0.2 +0.1	+6.2	+0.1	+0.0	+0.0	36.9	48.8	-11.9	White
^	355.072k	48.7	+0.2 +0.0	+6.2	+0.1	+0.0	+0.0	55.2	48.8	+6.4	White
7	739.040k Ave	27.3	+0.1 +0.1	+6.1	+0.1	+0.0	+0.0	33.7	46.0	-12.3	White
8	588.930k Ave	27.2	+0.2 +0.1	+6.1	+0.1	+0.0	+0.0	33.7	46.0	-12.3	White
9	789.214k Ave	27.2	+0.1 +0.1	+6.1	+0.1	+0.0	+0.0	33.6	46.0	-12.4	White
^	789.214k	41.8	+0.1 +0.0	+6.1	+0.1	+0.1	+0.0	48.2	46.0	+2.2	White
11	2.255M Ave	26.9	+0.1 +0.2	+6.2	+0.1	+0.0	+0.0	33.5	46.0	-12.5	White
^	2.255M	38.9	+0.1 +0.0	+6.2	+0.1	+0.2	+0.0	45.5	46.0	-0.5	White
13	923.985k Ave	27.1	+0.1 +0.1	+6.1	+0.0	+0.0	+0.0	33.4	46.0	-12.6	White
^	923.985k	40.3	+0.1 +0.0	+6.1	+0.0	+0.1	+0.0	46.6	46.0	+0.6	White
15	2.506M Ave	26.8	+0.1 +0.2	+6.2	+0.1	+0.0	+0.0	33.4	46.0	-12.6	White
^	2.506M	41.1	+0.1 +0.0	+6.2	+0.1	+0.2	+0.0	47.7	46.0	+1.7	White
17	816.848k Ave	26.7	+0.1 +0.1	+6.1	+0.1	+0.0	+0.0	33.1	46.0	-12.9	White
^	816.848k	41.2	+0.1 +0.0	+6.1	+0.1	+0.1	+0.0	47.6	46.0	+1.6	White
19	721.584k Ave	26.6	+0.1 +0.1	+6.1	+0.1	+0.0	+0.0	33.0	46.0	-13.0	White
^	721.584k	41.5	+0.1 +0.0	+6.1	+0.1	+0.1	+0.0	47.9	46.0	+1.9	White
21	856.844k Ave	26.6	+0.1 +0.1	+6.1	+0.0	+0.0	+0.0	32.9	46.0	-13.1	White
^	856.844k	42.0	+0.1 +0.0	+6.1	+0.0	+0.1	+0.0	48.3	46.0	+2.3	White
23	420.521k Ave	26.0	+0.2 +0.1	+6.2	+0.1	+0.0	+0.0	32.6	47.4	-14.8	White
^	420.521k	43.3	+0.2 +0.0	+6.2	+0.1	+0.0	+0.0	49.8	47.4	+2.4	White
25	529.602k Ave	24.7	+0.2 +0.1	+6.1	+0.1	+0.0	+0.0	31.2	46.0	-14.8	White
^	529.602k	42.0	+0.2 +0.0	+6.1	+0.1	+0.1	+0.0	48.5	46.0	+2.5	White
27	603.049k Ave	23.9	+0.2 +0.1	+6.1	+0.1	+0.0	+0.0	30.4	46.0	-15.6	White
^	603.049k	41.5	+0.2 +0.0	+6.1	+0.1	+0.1	+0.0	48.0	46.0	+2.0	White

29 Ave	275.079k	28.6	+0.2 +0.1	+6.1	+0.1	+0.0	+0.0	35.1	51.0	-15.9	White
^	275.079k	44.4	+0.2 +0.0	+6.1	+0.1	+0.1	+0.0	50.9	51.0	-0.1	White
31 Ave	603.049k	22.6	+0.2 +0.1	+6.1	+0.1	+0.0	+0.0	29.1	46.0	-16.9	White
32 Ave	187.815k	29.9	+0.2 +0.2	+6.1	+0.1	+0.0	+0.0	36.5	54.1	-17.6	White
^	187.815k	50.9	+0.2 +0.0	+6.1	+0.1	+0.1	+0.0	57.4	54.1	+3.3	White
34 Ave	173.271k	29.4	+0.4 +0.2	+6.1	+0.1	+0.0	+0.0	36.2	54.8	-18.6	White
^	173.271k	51.8	+0.4 +0.0	+6.1	+0.1	+0.1	+0.0	58.5	54.8	+3.7	White
36 Ave	331.802k	22.6	+0.2 +0.1	+6.2	+0.1	+0.0	+0.0	29.2	49.4	-20.2	White
^	331.802k	46.2	+0.2 +0.0	+6.2	+0.1	+0.1	+0.0	52.8	49.4	+3.4	White
38 Ave	251.082k	22.6	+0.2 +0.1	+6.1	+0.1	+0.0	+0.0	29.1	51.7	-22.6	White
^	251.082k	43.2	+0.2 +0.0	+6.1	+0.1	+0.1	+0.0	49.7	51.7	-2.0	White
40 Ave	232.901k	20.6	+0.2 +0.2	+6.1	+0.1	+0.0	+0.0	27.2	52.3	-25.1	White
^	232.902k	44.5	+0.2 +0.0	+6.1	+0.1	+0.1	+0.0	51.0	52.3	-1.3	White


CKC Laboratories, Inc. Date: 9/5/2007 Time: 14:39:18 Synapse Product Development, LLC WO#: 86173
FCC 15.207 COND [AVE] Test Lead: White 110V 60Hz Sequence#: 21
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]

FCC 15.247 – 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 Emission**		
Work Order #:	**87002**	Date:	9/7/2007
Test Type:	**Conducted Emissions**	Time:	11:23:15
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	7
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
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***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 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 = 15. Modulation: 802.11b (11mbs, QPSK), 802.11g (54mbs, OFDM-64QAM) Frequency: Frequency: 2412MHz, 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. 23°C, 53% relative humidity. No emission was 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	4824.670M	46.5	+2.0				+0.0	48.5	93.0 802.11g_L	-44.5	Anten
2	4824.000M	46.1	+2.0				+0.0	48.1	93.0 802.11b_L	-44.9	Anten
3	4924.670M	44.6	+2.0				+0.0	46.6	93.0 802.11g_H	-46.4	Anten
4	4875.000M	44.5	+2.0				+0.0	46.5	93.0 802.11b_M	-46.5	Anten
5	4924.500M	43.8	+2.0				+0.0	45.8	93.0 802.11b_H	-47.2	Anten
6	4874.170M	43.8	+2.0				+0.0	45.8	93.0 802.11g_M	-47.2	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(c) Conducted Spurious Emission**		
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:	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
24" SMA Cable	1-26GHz_white	01/11/2007	01/11/2009	P05183

***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 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 = 6.3. 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. Worse case is EUT placed up right. 23°C, 49% relative humidity. No emission was detected; noise floor level recorded.

Transducer Legend:

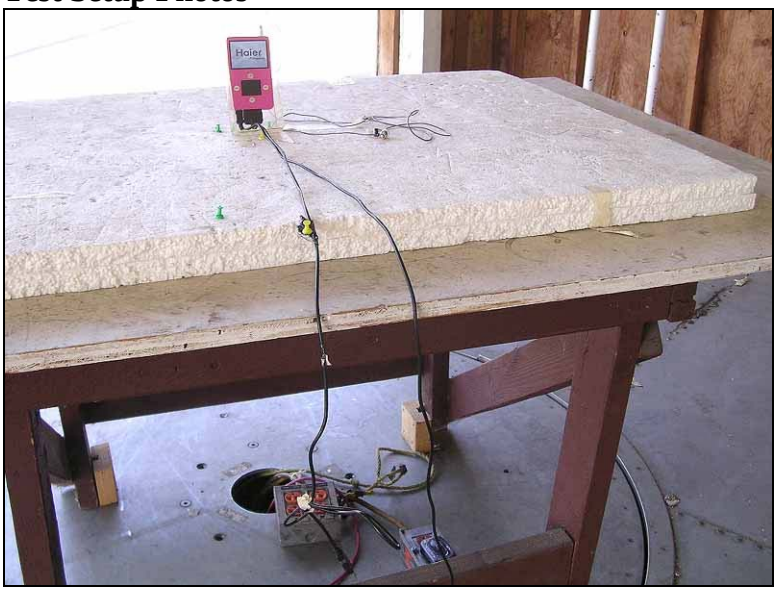
T1=SMA-cable_W_05183-011109-26GHz

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 15.247 – 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 #:	**87002**	Date:	9/7/2007
Test Type:	**Radiated Scan**	Time:	07:20:12
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	1
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		
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
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 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 = 15 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 during preliminary investigation. Worse case is EUT placed up right. 23°C, 53% relative humidity. No emission beyond 1 GHz was 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	171.706M	51.8	-27.7 +0.0 +0.0	+9.6 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	36.4	43.5	-7.1	Horiz
2	146.975M	49.9	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	35.7	43.5	-7.8	Horiz
3	141.533M	49.8	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	35.7	43.5	-7.8	Horiz
4	4823.530M	41.2	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	44.2	54.0	-9.8	Horiz
5	265.692M	47.7	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	36.0	46.0	-10.0	Horiz
6	944.019M	31.1	-27.1 +0.0 +0.0	+24.5 +0.0	+0.7 +0.0	+6.1 +0.0	+0.0	35.3	46.0	-10.7	Vert
7	265.777M	46.8	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	35.1	46.0	-10.9	Vert
8	182.402M	48.4	-27.7 +0.0 +0.0	+9.0 +0.0	+0.3 +0.0	+2.5 +0.0	+0.0	32.5	43.5	-11.0	Horiz
9	4823.530M	39.9	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	42.9	54.0	-11.1	Vert
10	538.050M	37.0	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	33.8	46.0	-12.2	Horiz
11	329.208M	43.6	-27.6 +0.0 +0.0	+14.0 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	33.7	46.0	-12.3	Horiz
12	161.183M	46.3	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	31.2	43.5	-12.3	Horiz
13	538.077M	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

14	152.115M	45.3	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	30.8	43.5	-12.7	Horiz
15	900.044M	30.9	-27.2 +0.0 +0.0	+23.2 +0.0	+0.4 +0.0	+5.9 +0.0	+0.0	33.2	46.0	-12.8	Vert
16	120.317M	43.6	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	29.6	43.5	-13.9	Horiz
17	429.150M	38.8	-27.7 +0.0 +0.0	+16.6 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	32.0	46.0	-14.0	Horiz
18	912.044M	28.3	-27.2 +0.0 +0.0	+23.6 +0.0	+0.5 +0.0	+5.9 +0.0	+0.0	31.1	46.0	-14.9	Vert
19	292.050M	42.0	-27.6 +0.0 +0.0	+13.1 +0.0	+0.2 +0.0	+3.1 +0.0	+0.0	30.8	46.0	-15.2	Horiz
20	529.044M	34.5	-27.5 +0.0 +0.0	+19.0 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	30.8	46.0	-15.2	Vert
21	313.302M	40.9	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	30.4	46.0	-15.6	Vert
22	168.117M	42.9	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	27.6	43.5	-15.9	Horiz
23	145.225M	41.6	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	27.4	43.5	-16.1	Horiz
24	299.969M	40.7	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	29.7	46.0	-16.3	Vert
25	136.217M	40.9	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	27.0	43.5	-16.5	Horiz
26	610.583M	31.4	-27.3 +0.0 +0.0	+19.9 +0.0	+0.5 +0.0	+4.7 +0.0	+0.0	29.2	46.0	-16.8	Horiz
27	224.008M	43.2	-27.6 +0.0 +0.0	+10.7 +0.0	+0.2 +0.0	+2.7 +0.0	+0.0	29.2	46.0	-16.8	Horiz
28	533.367M	32.4	-27.5 +0.0 +0.0	+19.2 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	28.9	46.0	-17.1	Horiz
29	443.794M	35.1	-27.6 +0.0 +0.0	+16.9 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	28.8	46.0	-17.2	Vert
30	444.550M	34.9	-27.6 +0.0 +0.0	+17.0 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	28.7	46.0	-17.3	Horiz

31	297.442M	39.7	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	28.7	46.0	-17.3	Horiz
32	506.344M	33.5	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	28.7	46.0	-17.3	Vert
33	235.533M	41.7	-27.6 +0.0 +0.0	+11.5 +0.0	+0.2 +0.0	+2.8 +0.0	+0.0	28.6	46.0	-17.4	Horiz
34	420.875M	35.5	-27.7 +0.0 +0.0	+16.4 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	28.4	46.0	-17.6	Horiz
35	433.627M	35.0	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	28.3	46.0	-17.7	Vert
36	354.150M	37.3	-27.6 +0.0 +0.0	+14.6 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	28.1	46.0	-17.9	Horiz
37	161.202M	40.7	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	25.6	43.5	-17.9	Vert
38	412.467M	35.3	-27.7 +0.0 +0.0	+16.1 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	27.9	46.0	-18.1	Horiz
39	309.242M	38.5	-27.6 +0.0 +0.0	+13.5 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	27.9	46.0	-18.1	Horiz
40	960.019M	31.5	-27.1 +0.0 +0.0	+24.7 +0.0	+0.7 +0.0	+6.1 +0.0	+0.0	35.9	54.0	-18.1	Vert
41	490.344M	33.0	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	27.8	46.0	-18.2	Vert
42	288.010M	38.7	-27.6 +0.0 +0.0	+13.0 +0.0	+0.2 +0.0	+3.1 +0.0	+0.0	27.4	46.0	-18.6	Vert
43	305.242M	38.1	-27.6 +0.0 +0.0	+13.3 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	27.2	46.0	-18.8	Horiz
44	383.983M	34.9	-27.7 +0.0 +0.0	+15.4 +0.0	+0.4 +0.0	+3.6 +0.0	+0.0	26.6	46.0	-19.4	Horiz
45	458.360M	32.3	-27.6 +0.0 +0.0	+17.3 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	26.4	46.0	-19.6	Vert
46	465.567M	31.7	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	26.0	46.0	-20.0	Horiz
47	465.527M	31.1	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	25.4	46.0	-20.6	Vert

48	441.627M	31.7	-27.6 +0.0 +0.0	+16.9 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	25.4	46.0	-20.6	Vert
49	232.427M	38.4	-27.6 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.8 +0.0	+0.0	25.1	46.0	-20.9	Vert
50	219.392M	38.8	-27.6 +0.0 +0.0	+10.3 +0.0	+0.2 +0.0	+2.7 +0.0	+0.0	24.4	46.0	-21.6	Horiz
51	427.994M	30.5	-27.7 +0.0 +0.0	+16.5 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	23.6	46.0	-22.4	Vert
52	307.969M	34.1	-27.6 +0.0 +0.0	+13.4 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	23.4	46.0	-22.6	Vert
53	297.352M	34.3	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	23.3	46.0	-22.7	Vert
54	333.302M	32.6	-27.6 +0.0 +0.0	+14.1 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	22.8	46.0	-23.2	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 #:	**87002**	Date:	9/7/2007
Test Type:	**Radiated Scan**	Time:	07:33:54
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	2
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		
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
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 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 = 15 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 during preliminary investigation. Worse case is EUT placed up right. 23°C, 53% relative humidity. No emission beyond 1 GHz was 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	265.442M	48.6	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	36.9	46.0	-9.1	Vert
2	141.767M	48.2	-27.7 +0.0 +0.0	+11.2 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	34.0	43.5	-9.5	Horiz
3	171.733M	49.2	-27.7 +0.0 +0.0	+9.6 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	33.8	43.5	-9.7	Horiz
4	4873.830M	39.0	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.2	+0.0 +0.3	+0.0	42.2	54.0	-11.8	Vert
5	161.175M	46.8	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	31.7	43.5	-11.8	Horiz
6	166.400M	46.7	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	31.4	43.5	-12.1	Horiz
7	4924.000M	38.3	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	41.6	54.0	-12.4	Horiz
8	152.083M	45.6	-27.7 +0.0 +0.0	+10.8 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	31.1	43.5	-12.4	Horiz
9	522.250M	37.4	-27.5 +0.0 +0.0	+18.8 +0.0	+0.4 +0.0	+4.3 +0.0	+0.0	33.4	46.0	-12.6	Vert
10	538.250M	36.0	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	32.8	46.0	-13.2	Vert
11	120.400M	44.3	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	30.3	43.5	-13.2	Horiz
12	155.867M	44.8	-27.7 +0.0 +0.0	+10.5 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	30.0	43.5	-13.5	Horiz
13	141.575M	43.4	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	29.3	43.5	-14.2	Vert
14	150.542M	43.5	-27.7 +0.0 +0.0	+11.0 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	29.2	43.5	-14.3	Vert
15	610.642M	33.8	-27.3 +0.0 +0.0	+19.9 +0.0	+0.5 +0.0	+4.7 +0.0	+0.0	31.6	46.0	-14.4	Horiz

16	848.017M	29.1	-27.1 +0.0 +0.0	+23.2 +0.0	+0.6 +0.0	+5.7 +0.0	+0.0	31.5	46.0	-14.5	Vert
17	136.250M	42.2	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	28.3	43.5	-15.2	Horiz
18	538.000M	33.8	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	30.6	46.0	-15.4	Horiz
19	313.483M	41.0	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	30.5	46.0	-15.5	Horiz
20	832.050M	28.5	-27.1 +0.0 +0.0	+22.8 +0.0	+0.6 +0.0	+5.6 +0.0	+0.0	30.4	46.0	-15.6	Vert
21	904.142M	27.6	-27.2 +0.0 +0.0	+23.3 +0.0	+0.4 +0.0	+5.9 +0.0	+0.0	30.0	46.0	-16.0	Vert
22	329.483M	39.8	-27.6 +0.0 +0.0	+14.0 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	29.9	46.0	-16.1	Horiz
23	313.308M	40.0	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	29.5	46.0	-16.5	Vert
24	506.317M	34.3	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	29.5	46.0	-16.5	Horiz
25	433.800M	36.1	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	29.4	46.0	-16.6	Vert
26	297.483M	40.3	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	29.3	46.0	-16.7	Horiz
27	168.058M	42.1	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	26.8	43.5	-16.7	Horiz
28	550.025M	31.1	-27.4 +0.0 +0.0	+19.7 +0.0	+0.5 +0.0	+4.5 +0.0	+0.0	28.4	46.0	-17.6	Vert
29	266.717M	40.0	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	28.3	46.0	-17.7	Horiz
30	292.042M	39.4	-27.6 +0.0 +0.0	+13.1 +0.0	+0.2 +0.0	+3.1 +0.0	+0.0	28.2	46.0	-17.8	Horiz
31	161.117M	40.7	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	25.6	43.5	-17.9	Vert
32	336.000M	37.7	-27.6 +0.0 +0.0	+14.2 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	28.0	46.0	-18.0	Vert

33	354.183M	36.4	-27.6 +0.0 +0.0	+14.6 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	27.2	46.0	-18.8	Horiz
34	109.933M	39.4	-27.7 +0.0 +0.0	+10.7 +0.0	+0.2 +0.0	+1.9 +0.0	+0.0	24.5	43.5	-19.0	Vert
35	465.567M	32.6	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	26.9	46.0	-19.1	Vert
36	256.008M	38.7	-27.7 +0.0 +0.0	+12.6 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	26.8	46.0	-19.2	Horiz
37	401.900M	34.3	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	26.5	46.0	-19.5	Horiz
38	317.308M	36.7	-27.6 +0.0 +0.0	+13.7 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	26.3	46.0	-19.7	Vert
39	273.883M	37.6	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	26.1	46.0	-19.9	Horiz
40	458.375M	31.9	-27.6 +0.0 +0.0	+17.3 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	26.0	46.0	-20.0	Vert
41	297.492M	35.9	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	24.9	46.0	-21.1	Vert
42	309.483M	35.3	-27.6 +0.0 +0.0	+13.5 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	24.7	46.0	-21.3	Horiz
43	976.033M	27.8	-27.2 +0.0 +0.0	+24.6 +0.0	+0.7 +0.0	+6.2 +0.0	+0.0	32.1	54.0	-21.9	Vert
44	286.158M	35.2	-27.7 +0.0 +0.0	+13.0 +0.0	+0.3 +0.0	+3.1 +0.0	+0.0	23.9	46.0	-22.1	Vert
45	465.425M	29.2	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	23.5	46.0	-22.5	Horiz
46	244.817M	34.9	-27.7 +0.0 +0.0	+12.2 +0.0	+0.3 +0.0	+2.9 +0.0	+0.0	22.6	46.0	-23.4	Horiz
47	379.017M	29.2	-27.7 +0.0 +0.0	+15.3 +0.0	+0.4 +0.0	+3.6 +0.0	+0.0	20.8	46.0	-25.2	Vert
48	224.775M	33.4	-27.6 +0.0 +0.0	+10.7 +0.0	+0.2 +0.0	+2.7 +0.0	+0.0	19.4	46.0	-26.6	Vert
49	193.117M	32.5	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	16.5	43.5	-27.0	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 #:	**87002**	Date:	9/7/2007
Test Type:	**Radiated Scan**	Time:	07:47:18
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	3
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		
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
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 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 = 15 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 during preliminary investigation. Worse case is EUT placed up right. 23°C, 53% relative humidity. No emission beyond 1 GHz was 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	141.533M	51.4	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	37.3	43.5	-6.2	Horiz
2	182.433M	50.5	-27.7 +0.0 +0.0	+9.0 +0.0	+0.3 +0.0	+2.5 +0.0	+0.0	34.6	43.5	-8.9	Horiz
3	188.117M	50.0	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	34.0	43.5	-9.5	Vert
4	841.150M	34.1	-27.1 +0.0 +0.0	+23.1 +0.0	+0.6 +0.0	+5.7 +0.0	+0.0	36.4	46.0	-9.6	Vert
5	538.280M	37.4	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	34.2	46.0	-11.8	Horiz
6	166.433M	46.5	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	31.2	43.5	-12.3	Horiz
7	4924.000M	38.0	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	41.3	54.0	-12.7	Vert
8	146.867M	45.0	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	30.8	43.5	-12.7	Vert
9	141.492M	44.4	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	30.3	43.5	-13.2	Vert
10	4924.000M	37.3	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	40.6	54.0	-13.4	Horiz
11	538.200M	35.8	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	32.6	46.0	-13.4	Vert
12	556.350M	34.9	-27.4 +0.0 +0.0	+19.7 +0.0	+0.5 +0.0	+4.5 +0.0	+0.0	32.2	46.0	-13.8	Vert
13	516.720M	36.3	-27.5 +0.0 +0.0	+18.7 +0.0	+0.4 +0.0	+4.3 +0.0	+0.0	32.2	46.0	-13.8	Vert

14	120.420M	43.5	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	29.5	43.5	-14.0	Horiz
15	166.375M	44.2	-27.7 +0.0 +0.0	+9.9 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	29.0	43.5	-14.5	Vert
16	431.970M	38.0	-27.7 +0.0 +0.0	+16.6 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	31.2	46.0	-14.8	Horiz
17	852.750M	28.4	-27.1 +0.0 +0.0	+23.3 +0.0	+0.6 +0.0	+5.7 +0.0	+0.0	30.9	46.0	-15.1	Horiz
18	208.950M	43.7	-27.6 +0.0 +0.0	+9.5 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	28.4	43.5	-15.1	Horiz
19	291.970M	41.8	-27.6 +0.0 +0.0	+13.1 +0.0	+0.2 +0.0	+3.1 +0.0	+0.0	30.6	46.0	-15.4	Horiz
20	313.480M	40.9	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	30.4	46.0	-15.6	Horiz
21	522.080M	34.4	-27.5 +0.0 +0.0	+18.8 +0.0	+0.4 +0.0	+4.3 +0.0	+0.0	30.4	46.0	-15.6	Vert
22	171.725M	43.2	-27.7 +0.0 +0.0	+9.6 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	27.8	43.5	-15.7	Vert
23	193.020M	43.7	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	27.7	43.5	-15.8	Horiz
24	532.770M	33.5	-27.5 +0.0 +0.0	+19.2 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	30.0	46.0	-16.0	Vert
25	300.000M	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	Vert
26	313.550M	39.8	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	29.3	46.0	-16.7	Horiz
27	297.380M	40.0	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	29.0	46.0	-17.0	Horiz
28	136.230M	40.4	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.1 +0.0	+0.0	26.5	43.5	-17.0	Horiz
29	506.230M	33.4	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	28.6	46.0	-17.4	Vert
30	139.925M	40.1	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	26.0	43.5	-17.5	Vert

31	278.320M	39.8	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	28.3	46.0	-17.7	Horiz
32	433.370M	35.0	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	28.3	46.0	-17.7	Vert
33	313.525M	38.8	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	28.3	46.0	-17.7	Vert
34	239.983M	41.0	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	28.2	46.0	-17.8	Vert
35	157.558M	40.5	-27.7 +0.0 +0.0	+10.4 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	25.7	43.5	-17.8	Vert
36	129.000M	39.2	-27.6 +0.0 +0.0	+11.4 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	25.3	43.5	-18.2	Horiz
37	155.817M	39.9	-27.7 +0.0 +0.0	+10.5 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	25.1	43.5	-18.4	Vert
38	458.330M	33.3	-27.6 +0.0 +0.0	+17.3 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	27.4	46.0	-18.6	Vert
39	506.300M	32.1	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	27.3	46.0	-18.7	Horiz
40	275.983M	38.1	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	26.6	46.0	-19.4	Vert
41	355.080M	35.7	-27.6 +0.0 +0.0	+14.6 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	26.5	46.0	-19.5	Horiz
42	465.720M	31.9	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	26.2	46.0	-19.8	Vert
43	182.392M	39.5	-27.7 +0.0 +0.0	+9.0 +0.0	+0.3 +0.0	+2.5 +0.0	+0.0	23.6	43.5	-19.9	Vert
44	392.670M	33.6	-27.8 +0.0 +0.0	+15.6 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	25.5	46.0	-20.5	Horiz
45	287.975M	36.4	-27.6 +0.0 +0.0	+13.0 +0.0	+0.2 +0.0	+3.1 +0.0	+0.0	25.1	46.0	-20.9	Vert
46	278.067M	36.6	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	25.1	46.0	-20.9	Vert
47	417.780M	32.0	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	24.8	46.0	-21.2	Horiz

48	199.967M	38.2	-27.6 +0.0 +0.0	+8.8 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	22.2	43.5	-21.3	Vert
49	206.292M	36.9	-27.6 +0.0 +0.0	+9.3 +0.0	+0.2 +0.0	+2.6 +0.0	+0.0	21.4	43.5	-22.1	Vert
50	490.270M	28.9	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	23.7	46.0	-22.3	Horiz
51	417.530M	29.9	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	22.7	46.0	-23.3	Vert
52	192.983M	36.1	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	20.1	43.5	-23.4	Vert
53	271.983M	34.1	-27.7 +0.0 +0.0	+12.8 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	22.5	46.0	-23.5	Vert
54	214.408M	34.7	-27.6 +0.0 +0.0	+10.0 +0.0	+0.2 +0.0	+2.7 +0.0	+0.0	20.0	43.5	-23.5	Vert
55	295.900M	31.2	-27.6 +0.0 +0.0	+13.1 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	20.1	46.0	-25.9	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 #:	**87002**	Date:	9/7/2007
Test Type:	**Radiated Scan**	Time:	08:16:17
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	4
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		
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
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 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 = 15 Modulation: 802.11g (54mbs, 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 during preliminary investigation. Worse case is EUT placed up right. 23°C, 53% relative humidity. No emission beyond 1 GHz was 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	4824.000M	40.3	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	43.3	54.0	-10.7	Horiz
2	4819.825M	39.7	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.1	+0.0 +0.3	+0.0	42.7	54.0	-11.3	Vert
3	146.850M	45.4	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	31.2	43.5	-12.3	Horiz
4	187.700M	47.1	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	31.1	43.5	-12.4	Horiz
5	171.920M	45.9	-27.7 +0.0 +0.0	+9.6 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	30.5	43.5	-13.0	Horiz
6	320.020M	40.8	-27.6 +0.0 +0.0	+13.7 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	30.4	46.0	-15.6	Horiz
7	161.120M	42.8	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	27.7	43.5	-15.8	Horiz
8	506.450M	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	Horiz
9	120.350M	40.9	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	26.9	43.5	-16.6	Horiz
10	432.400M	36.0	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	29.3	46.0	-16.7	Horiz
11	417.750M	36.1	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	28.9	46.0	-17.1	Horiz
12	412.530M	35.5	-27.7 +0.0 +0.0	+16.1 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	28.1	46.0	-17.9	Horiz
13	141.650M	39.8	-27.7 +0.0 +0.0	+11.2 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	25.6	43.5	-17.9	Horiz

14	287.980M	39.2	-27.6 +0.0 +0.0	+13.0 +0.0	+0.2 +0.0	+3.1 +0.0	+0.0	27.9	46.0	-18.1	Horiz
15	192.900M	41.3	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	25.3	43.5	-18.2	Horiz
16	297.380M	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	Horiz
17	278.400M	38.7	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	27.2	46.0	-18.8	Horiz
18	731.150M	26.8	-27.0 +0.0 +0.0	+21.6 +0.0	+0.5 +0.0	+5.2 +0.0	+0.0	27.1	46.0	-18.9	Horiz
19	528.950M	30.6	-27.5 +0.0 +0.0	+19.0 +0.0	+0.4 +0.0	+4.4 +0.0	+0.0	26.9	46.0	-19.1	Horiz
20	125.670M	37.9	-27.6 +0.0 +0.0	+11.5 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	24.1	43.5	-19.4	Horiz
21	401.930M	34.3	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	26.5	46.0	-19.5	Horiz
22	484.900M	31.3	-27.6 +0.0 +0.0	+17.8 +0.0	+0.3 +0.0	+4.1 +0.0	+0.0	25.9	46.0	-20.1	Horiz
23	178.680M	39.3	-27.7 +0.0 +0.0	+9.1 +0.0	+0.3 +0.0	+2.4 +0.0	+0.0	23.4	43.5	-20.1	Horiz
24	304.070M	35.7	-27.6 +0.0 +0.0	+13.3 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	24.8	46.0	-21.2	Horiz
25	275.850M	36.3	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	24.8	46.0	-21.2	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 #:	**87002**	Date:	9/7/2007
Test Type:	**Radiated Scan**	Time:	08:33:10
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	5
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		
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
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 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 = 15 Modulation: 802.11g (54mbs, 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 during preliminary investigation. Worse case is EUT placed up right. 23°C, 53% relative humidity. No emission beyond 1 GHz was 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	266.530M	49.4	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	37.7	46.0	-8.3	Horiz
2	146.880M	46.3	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	32.1	43.5	-11.4	Horiz
3	4880.700M	38.6	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.2	+0.0 +0.3	+0.0	41.8	54.0	-12.2	Vert
4	538.080M	36.7	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	33.5	46.0	-12.5	Vert
5	4872.700M	37.8	+0.0 -37.7 +2.0	+0.0 +5.3	+0.0 +33.2	+0.0 +0.3	+0.0	40.9	54.0	-13.1	Horiz
6	240.000M	45.6	-27.7 +0.0 +0.0	+11.8 +0.0	+0.3 +0.0	+2.8 +0.0	+0.0	32.8	46.0	-13.2	Horiz
7	157.520M	45.1	-27.7 +0.0 +0.0	+10.4 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	30.3	43.5	-13.2	Horiz
8	266.570M	43.3	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	31.6	46.0	-14.4	Vert
9	506.270M	36.0	-27.6 +0.0 +0.0	+18.3 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	31.2	46.0	-14.8	Vert
10	192.030M	44.5	-27.6 +0.0 +0.0	+8.9 +0.0	+0.2 +0.0	+2.5 +0.0	+0.0	28.5	43.5	-15.0	Horiz
11	141.600M	42.1	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	28.0	43.5	-15.5	Horiz
12	120.380M	41.8	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	27.8	43.5	-15.7	Horiz
13	155.820M	41.5	-27.7 +0.0 +0.0	+10.5 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	26.7	43.5	-16.8	Horiz

14	424.000M	35.9	-27.7 +0.0 +0.0	+16.4 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	28.8	46.0	-17.2	Horiz
15	313.380M	39.3	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	28.8	46.0	-17.2	Horiz
16	306.380M	38.7	-27.6 +0.0 +0.0	+13.4 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	27.9	46.0	-18.1	Horiz
17	311.230M	38.5	-27.6 +0.0 +0.0	+13.5 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	27.9	46.0	-18.1	Vert
18	109.820M	40.2	-27.7 +0.0 +0.0	+10.7 +0.0	+0.2 +0.0	+1.9 +0.0	+0.0	25.3	43.5	-18.2	Vert
19	412.480M	34.9	-27.7 +0.0 +0.0	+16.1 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	27.5	46.0	-18.5	Horiz
20	398.930M	34.8	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	26.9	46.0	-19.1	Horiz
21	297.380M	37.8	-27.6 +0.0 +0.0	+13.2 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	26.8	46.0	-19.2	Horiz
22	626.180M	28.6	-27.2 +0.0 +0.0	+20.1 +0.0	+0.5 +0.0	+4.8 +0.0	+0.0	26.8	46.0	-19.2	Vert
23	465.380M	32.5	-27.6 +0.0 +0.0	+17.4 +0.0	+0.4 +0.0	+4.1 +0.0	+0.0	26.8	46.0	-19.2	Vert
24	138.280M	38.0	-27.7 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.1 +0.0	+0.0	23.9	43.5	-19.6	Vert
25	386.400M	34.3	-27.7 +0.0 +0.0	+15.5 +0.0	+0.4 +0.0	+3.6 +0.0	+0.0	26.1	46.0	-19.9	Horiz
26	275.000M	37.3	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	25.8	46.0	-20.2	Vert
27	429.100M	32.4	-27.7 +0.0 +0.0	+16.6 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	25.6	46.0	-20.4	Vert
28	490.420M	30.1	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	24.9	46.0	-21.1	Vert
29	401.800M	32.5	-27.8 +0.0 +0.0	+15.8 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	24.6	46.0	-21.4	Vert
30	444.100M	30.5	-27.6 +0.0 +0.0	+17.0 +0.0	+0.4 +0.0	+4.0 +0.0	+0.0	24.3	46.0	-21.7	Vert

31	401.820M	31.9	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	24.1	46.0	-21.9	Horiz
32	232.270M	36.6	-27.6 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.8 +0.0	+0.0	23.3	46.0	-22.7	Vert
33	348.950M	32.5	-27.6 +0.0 +0.0	+14.5 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	23.2	46.0	-22.8	Horiz
34	286.270M	33.0	-27.7 +0.0 +0.0	+13.0 +0.0	+0.3 +0.0	+3.1 +0.0	+0.0	21.7	46.0	-24.3	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 #:	**87002**	Date:	9/7/2007
Test Type:	**Radiated Scan**	Time:	08:51:18
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	6
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		
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
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 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 = 15 Modulation: 802.11g (54mbs, 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 during preliminary investigation. Worse case is EUT placed up right. 23°C, 53% relative humidity. No emission beyond 1 GHz was 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	4920.230M	40.2	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	43.5	54.0	-10.5	Horiz
2	146.830M	45.5	-27.7 +0.0 +0.0	+11.1 +0.0	+0.2 +0.0	+2.2 +0.0	+0.0	31.3	43.5	-12.2	Horiz
3	265.460M	44.9	-27.7 +0.0 +0.0	+12.7 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	33.2	46.0	-12.8	Vert
4	4915.400M	37.5	+0.0 -37.7 +2.0	+0.0 +5.4	+0.0 +33.3	+0.0 +0.3	+0.0	40.8	54.0	-13.2	Vert
5	538.120M	35.7	-27.4 +0.0 +0.0	+19.3 +0.0	+0.5 +0.0	+4.4 +0.0	+0.0	32.5	46.0	-13.5	Vert
6	329.220M	41.2	-27.6 +0.0 +0.0	+14.0 +0.0	+0.3 +0.0	+3.4 +0.0	+0.0	31.3	46.0	-14.7	Horiz
7	505.980M	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
8	610.860M	32.3	-27.3 +0.0 +0.0	+19.9 +0.0	+0.5 +0.0	+4.7 +0.0	+0.0	30.1	46.0	-15.9	Horiz
9	161.250M	42.4	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	27.3	43.5	-16.2	Horiz
10	120.360M	41.1	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	27.1	43.5	-16.4	Vert
11	161.200M	42.2	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	27.1	43.5	-16.4	Horiz
12	726.690M	29.3	-27.0 +0.0 +0.0	+21.5 +0.0	+0.5 +0.0	+5.2 +0.0	+0.0	29.5	46.0	-16.5	Vert
13	433.740M	35.8	-27.7 +0.0 +0.0	+16.7 +0.0	+0.4 +0.0	+3.9 +0.0	+0.0	29.1	46.0	-16.9	Vert

14	349.990M	38.4	-27.6 +0.0 +0.0	+14.5 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	29.1	46.0	-16.9	Vert
15	417.630M	36.2	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	29.0	46.0	-17.0	Horiz
16	120.420M	40.5	-27.6 +0.0 +0.0	+11.3 +0.0	+0.3 +0.0	+2.0 +0.0	+0.0	26.5	43.5	-17.0	Horiz
17	168.000M	41.7	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	26.4	43.5	-17.1	Horiz
18	161.130M	41.2	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	26.1	43.5	-17.4	Vert
19	417.740M	35.5	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	28.3	46.0	-17.7	Horiz
20	313.330M	38.8	-27.6 +0.0 +0.0	+13.6 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	28.3	46.0	-17.7	Horiz
21	294.430M	39.4	-27.6 +0.0 +0.0	+13.1 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	28.3	46.0	-17.7	Horiz
22	417.820M	35.4	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	28.2	46.0	-17.8	Horiz
23	302.630M	39.0	-27.6 +0.0 +0.0	+13.3 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	28.1	46.0	-17.9	Horiz
24	417.940M	34.8	-27.7 +0.0 +0.0	+16.3 +0.0	+0.4 +0.0	+3.8 +0.0	+0.0	27.6	46.0	-18.4	Horiz
25	401.920M	35.4	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	27.6	46.0	-18.4	Horiz
26	168.060M	40.1	-27.7 +0.0 +0.0	+9.8 +0.0	+0.3 +0.0	+2.3 +0.0	+0.0	24.8	43.5	-18.7	Vert
27	161.030M	39.9	-27.7 +0.0 +0.0	+10.1 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	24.8	43.5	-18.7	Vert
28	240.020M	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
29	232.330M	40.4	-27.6 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.8 +0.0	+0.0	27.1	46.0	-18.9	Horiz
30	417.610M	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	Horiz

31	401.950M	34.3	-27.8 +0.0 +0.0	+15.9 +0.0	+0.4 +0.0	+3.7 +0.0	+0.0	26.5	46.0	-19.5	Vert
32	278.350M	37.7	-27.7 +0.0 +0.0	+12.9 +0.0	+0.3 +0.0	+3.0 +0.0	+0.0	26.2	46.0	-19.8	Horiz
33	157.320M	38.4	-27.7 +0.0 +0.0	+10.4 +0.0	+0.2 +0.0	+2.3 +0.0	+0.0	23.6	43.5	-19.9	Horiz
34	354.080M	34.9	-27.6 +0.0 +0.0	+14.6 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	25.7	46.0	-20.3	Horiz
35	490.330M	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
36	286.580M	36.6	-27.7 +0.0 +0.0	+13.0 +0.0	+0.3 +0.0	+3.1 +0.0	+0.0	25.3	46.0	-20.7	Horiz
37	490.370M	30.4	-27.6 +0.0 +0.0	+17.9 +0.0	+0.3 +0.0	+4.2 +0.0	+0.0	25.2	46.0	-20.8	Horiz
38	295.800M	35.9	-27.6 +0.0 +0.0	+13.1 +0.0	+0.2 +0.0	+3.2 +0.0	+0.0	24.8	46.0	-21.2	Vert
39	232.350M	36.9	-27.6 +0.0 +0.0	+11.3 +0.0	+0.2 +0.0	+2.8 +0.0	+0.0	23.6	46.0	-22.4	Vert
40	224.850M	37.0	-27.6 +0.0 +0.0	+10.7 +0.0	+0.2 +0.0	+2.7 +0.0	+0.0	23.0	46.0	-23.0	Vert
41	310.800M	33.5	-27.6 +0.0 +0.0	+13.5 +0.0	+0.2 +0.0	+3.3 +0.0	+0.0	22.9	46.0	-23.1	Vert
42	358.380M	31.1	-27.6 +0.0 +0.0	+14.7 +0.0	+0.3 +0.0	+3.5 +0.0	+0.0	22.0	46.0	-24.0	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:	13:55:04
Equipment:	**WiFi and Bluetooth Enabled Media Player**	Sequence#:	11
Manufacturer:	Haier America LLC	Tested By:	E. Wong
Model:	MW101AQ		
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
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 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. Worse 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:	MW101AQ		
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
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
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. Worse 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:	MW101AQ		
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
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 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. Worse 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

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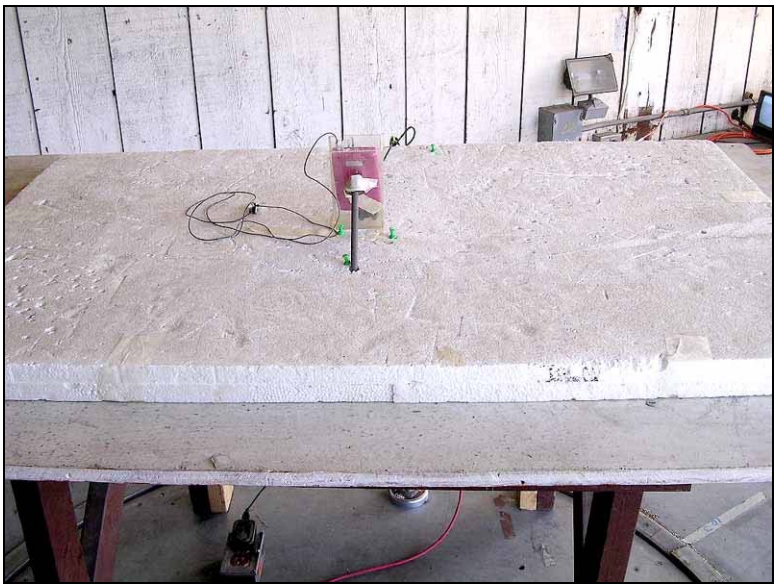
Test Equipment

Equipment	Asset #	Manufacturer	Model	Serial #	Cal Date	Cal Due
Spectrum Analyzer	02672	Agilent	E4446A	US44300438	010307	010309
Horn Antenna	00849	EMCO	3115	6246	062906	062908
Microwave Pre-amp	00786	HP	83017A	3123A00281	071906	071908
Heliax Antenna cable	P05565	Andrew	LDF1-50	P5565	091806	091808
24" SMA Cable (White)	P05183	Pasterneck	35591-48	1-40GHz_white	011107	011109

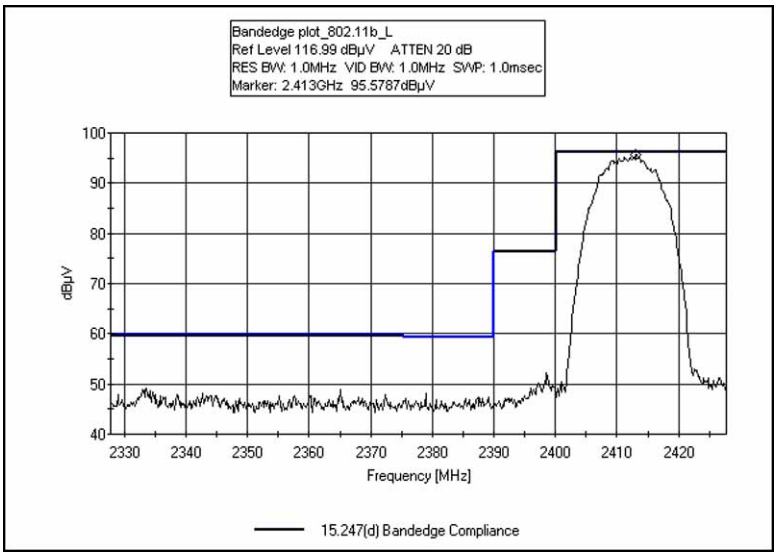
Test Conditions: The EUT is placed on the wooden table with 10 cm of Styrofoam material. A set of earphones is connected to the Audio port. Docking port is connected to a section of unterminated cable. USB port is connected to an AC power supply. The EUT is operating on Max power. Mode: Transmit. Digital power setting code = 15. Modulation: 802.11b (11mbs, QPSK). 802.11g (54mbs, OFDM-64QAM). Frequency: 2412MHz, 2462MHz.

Test Setup Photos

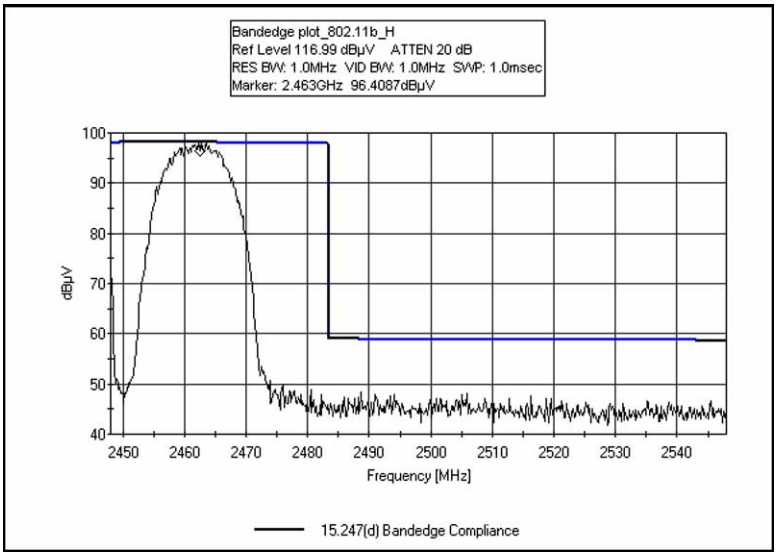


Test Plots

BANDEDGE - 802.11b LOW



BANDEDGE - 802.11b HIGH



BANDEDGE - 802.11g LOW