CKC LABORATORIES, INC. Testing the Future

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Certicate Numbers
803.01, 803.02, 803.05, 803.06
EMC

ADDENDUM TO CREATIVE LABS, INC. TEST REPORT FC07-095

FOR THE

VIDEO CONFERENCING DEVICE, VF0340

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: DECEMBER 11, 2007

PREPARED FOR:

Creative Labs, Inc.
1901 McCarthy Blvd.
Milpitas, CA 95035

PREPARED BY:

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

P.O. No.: 148562
W.O. No.: 87162

Date of test: October 8 – November 27, 2007

Report No.: FC07-095A

TABLE OF CONTENTS

ADMINISTRATIVE INFORMATION

DATE OF TEST: October 8 – November 27, 2007

DATE OF RECEIPT: October 8, 2007

REPRESENTATIVE: Thinh Bui

MANUFACTURER:
Creative Labs, Inc.
1901 McCarthy Blvd.
Milpitas, CA 95035

TEST LOCATION:
CKC Laboratories, Inc.
1120 Fulton Place
Fremont, CA 94539

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 Video Conferencing Device, VF0340 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 devices.
Addendum A: To revise the report with no new testing to clarify the conducted emissions test conditions and conditions for compliance, add 15.109 data above 1 GHz left out of the original report, correct the test equipment for 15.209 testing, correct the transducers listed on page 9 and revise the tables on page 60.

APPROVALS

Steve Behm, Director of Engineering Services

QUALITY ASSURANCE:

Amrinder Brar,
EMC Engineer/Lab Manager

TEST PERSONNEL:

Art Rice,
EMC Engineer

CONDITIONS DURING TESTING

Installed shielded Ethernet Cable with Ferrite on both ends. The video camera and display were both exercised during the relevant testing.

FCC 15.31(e) Voltage Variations

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable		03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241
DMM, Fluke 23	54541580	07/18/2006	07/18/2008	00970A
Powerstat Type 126	none	07/16/2007	07/16/2009	00435

Test Conditions / Notes:

EUT is at back edge of table. WIFI is active. Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. CH1=2412 MHz, CH6=2437 MHz, or CH11=2462 MHz. Transmitter is continuously transmitting using 802.11g. RBW=10 MHz. 20 dB BW (using RBW=100 kHz) of signal was measured as 18.0 MHz Correction factor 10 log (18/10) =2.6 dB added to spectrum analyzer reading. Preamp not used. Battery removed. Powered totally from AC adapter. Transmitter field strength measurement to use in calculating conducted power output.

CH	Frequency (MHz)	Voltage level	Power delta from nominal (dB)
6	2437	120, Nominal	0.0
6	2437	102, -15%	-0.1
6	2437	138, +15%	-0.1
1	2412	138, +15%	-0.1
1	2412	120, Nominal	-0.2
1	2412	102, -15%	-0.3
11	2462	102, -15%	-1.1
11	2462	120, Nominal	-0.8
11	2462	138, +15%	-0.7

FCC 15.31(m) Number Of Channels

This device was tested on three channels: Channel 1 (2412 MHz), Channel 6 (2437 MHz) and Channel 11 (2462 MHz).

FCC 15.33(a) Frequency Ranges Tested

15.107 Conducted Emissions: 150 kHz – 30 MHz
15.109 Radiated Emissions: 30 MHz – 12.5 MHz
15.207 Conducted Emissions: 150 kHz – 30 MHz
15.209/15.247 Radiated Emissions:32 kHz – 26 GHz

FCC 15.203 Antenna Requirements

The antenna is non-removable; therefore the EUT complies with Section 15.203 of the FCC rules.

EUT Operating Frequency

The EUT was operating at 2412-2462 MHz in the 2400-2483.5 MHz band.

EQUIPMENT UNDER TEST (EUT) DESCRIPTION

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

EQUIPMENT UNDER TEST

AC Adapter

Manuf:	Creative Labs, Inc.
Model:	TESA9G-0502400
Serial:	ADC0000005640

Video Conferencing Device

Manuf:	Creative Labs, Inc
Model:	VF0340
Serial:	ER56
FCC ID:	pending

PERIPHERAL DEVICES

The EUT was tested with the following peripheral device(s):

Headset

Manuf:	Creative Labs, Inc.
Model:	NA
Serial:	NA

TV

Manuf:	Phillips
Model:	14PT212A/78R
Serial:	HC065065

Wireless Router

Manuf:	Linksys
Model:	WRT54GS
Serial:	CGN91FA64901

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.

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

SPECTRUM ANALYZER/RECEIVER DETECTOR FUNCTIONS

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

Peak

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

Quasi-Peak

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

Average

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

FCC 15.107 – AC CONDUCTED EMISSIONS

Test Setup Photos

Test Data Sheets

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer:	**Creative Labs, Inc.**		
Specification:	**FCC 15.107 B COND [AVE]**		
Work Order #:	**87162**	Date:	10/8/2007
Test Type:	**Conducted Emissions**	Time:	08:53:58
Equipment:	**Video Conferencing Device**	Sequence#:	14
Manufacturer:	Creative Labs, Inc	Tested By:	Art Rice
Model:	VF0340		120V 60Hz
S/N:	ER56		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
TTE High Pass Filter	H4120	01/17/2007	01/17/2009	05258
LISN	9408-1006	04/01/2007	04/01/2009	00493
10 dB attenuator	none	10/20/2005	10/20/2007	02223
QP Adapter	2521A00909	07/12/2006	07/12/2008	00683
S.A., Display HP-85662A	2542A12169	11/28/2005	11/28/2007	02662
S.A., RF Section HP-8568B	2601A02492	11/28/2005	11/28/2007	02663
Cable,	n/a	06/22/2006	06/22/2008	P02410
Cable	none	03/01/2006	03/01/2008	PO0875

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
Headset	Creative Labs, Inc.	n/a	n/a
Wireless Router	Linksys	WRT54GS	CGN91FA64901
TV	Phillips	14PT212A/78R	HC065065

Test Conditions / Notes:

EUT is at back edge of table. Audio and video cables are connected to a TV. Headset is connected. WIFI is active. LAN is connected to wireless router via Ethernet. Notes Shorted ground from isolation transformer to RJ45 connector. Installed shielded Ethernet Cable with Ferrite on both ends. Conducted emissions 0.15-30 MHz.

Transducer Legend:

T1=Cable P00875, 15' RG214/U	T2=LISN - AN00493 - Black - ELC "OUT"
T3=ANP02223-082707	T4=TTE HP Filter
T5=ANP02410 Coax Cable	

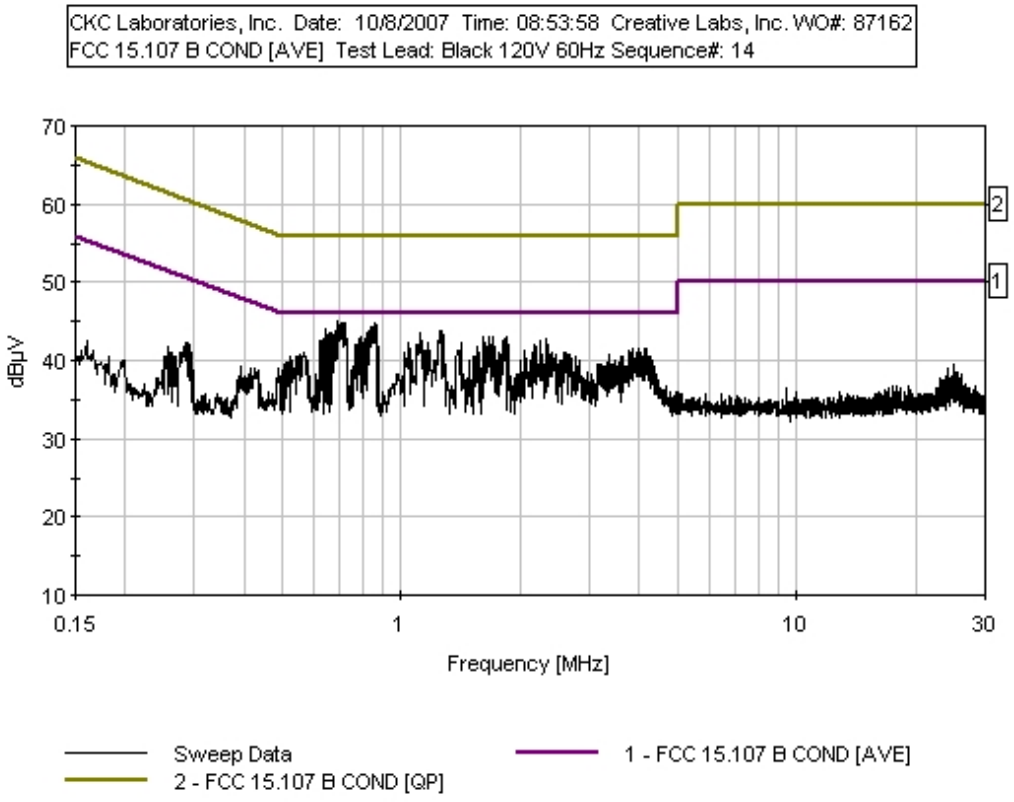
Ext Attn: 0 dB

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

#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV	dBµV	dB	Ant
1	1.842M	32.5	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.9	46.0	-3.1	Black
2	728.851k	32.4	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.8	46.0	-3.2	Black

3	808.116k	32.3	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	42.8	46.0	-3.2	Black
4	635.042k	32.3	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.7	46.0	-3.3	Black
5	2.327M	32.3	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.7	46.0	-3.3	Black
6	624.862k	32.1	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.5	46.0	-3.5	Black
7	1.132M	32.1	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	42.4	46.0	-3.6	Black
8	2.255M	32.0	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.4	46.0	-3.6	Black
9	1.417M	31.8	+0.1 +0.1	+0.1	+10.1	+0.1	+0.0	42.3	46.0	-3.7	Black
10	805.934k	31.8	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	42.3	46.0	-3.7	Black
11	1.043M	31.9	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	42.2	46.0	-3.8	Black
12	1.175M	31.9	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	42.2	46.0	-3.8	Black
13 Ave	692.000k	17.4	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	27.8	46.0	-18.2	Black
^	692.491k	34.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	45.0	46.0	-1.0	Black
15 Ave	1.672M	16.5	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	26.9	46.0	-19.1	Black
^	1.672M	32.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.0	46.0	-3.0	Black
17 Ave	856.000k	16.4	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	26.7	46.0	-19.3	Black
^	856.111k	34.6	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	44.9	46.0	-1.1	Black
19 Ave	820.000k	16.1	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	26.6	46.0	-19.4	Black
^	820.478k	33.0	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	43.5	46.0	-2.5	Black
21 Ave	1.115M	16.1	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	26.4	46.0	-19.6	Black
^	1.115M	33.3	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	43.6	46.0	-2.4	Black
23 Ave	1.247M	16.1	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	26.4	46.0	-19.6	Black
^	1.247M	33.6	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	43.9	46.0	-2.1	Black
25 Ave	643.000k	15.4	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	25.8	46.0	-20.3	Black
^	643.042k	33.7	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	44.1	46.0	-1.9	Black

27 Ave	1.277M	15.2	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	25.5	46.0	-20.5	Black
^	1.277M	33.1	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	43.4	46.0	-2.6	Black
29 Ave	1.698M	15.0	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	25.4	46.0	-20.7	Black
^	1.698M	32.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.0	46.0	-3.0	Black
31 Ave	649.000k	14.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	25.0	46.0	-21.0	Black
^	649.586k	32.9	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.3	46.0	-2.7	Black
33 Ave	657.000k	14.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	25.0	46.0	-21.1	Black
^	657.586k	33.1	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.5	46.0	-2.5	Black
35 Ave	788.000k	14.3	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	24.8	46.0	-21.2	Black
^	788.482k	32.5	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	43.0	46.0	-3.0	Black
37 Ave	665.000k	14.5	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	24.9	46.0	-21.2	Black
^	665.585k	33.1	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.5	46.0	-2.5	Black
^	661.949k	32.9	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.3	46.0	-2.7	Black
40 Ave	871.000k	14.4	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	24.7	46.0	-21.3	Black
^	871.382k	33.9	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	44.2	46.0	-1.8	Black
42 Ave	1.613M	14.0	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	24.4	46.0	-21.6	Black
^	1.613M	32.7	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.1	46.0	-2.9	Black
44 Ave	679.000k	13.4	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	23.8	46.0	-22.2	Black
^	679.402k	33.5	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.9	46.0	-2.1	Black
^	676.493k	33.0	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.4	46.0	-2.6	Black


CKC Laboratories, Inc. Date: 10/8/2007 Time: 08:53:58 Creative Labs, Inc. WO#: 87162
FCC 15.107 B COND [AVE] Test Lead: Black 120V 60Hz Sequence#: 14
70
60
50
40
30
20
10
dBµV
0.15
1
10
30
Frequency [MHz]
2
1
Sweep Data
2 - FCC 15.107 B COND [QP]
1 - FCC 15.107 B COND [AVE]

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.107 B COND [AVE]**
Work Order #: **87162** Date: 10/8/2007
Test Type: **Conducted Emissions** Time: 09:13:02
Equipment: **Video Conferencing Device** Sequence#: 15
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340 120V 60Hz
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
TTE High Pass Filter	H4120	01/17/2007	01/17/2009	05258
LISN	9408-1006	04/01/2007	04/01/2009	00493
10 dB attenuator	none	10/20/2005	10/20/2007	02223
QP Adapter	2521A00909	07/12/2006	07/12/2008	00683
S.A., Display HP-85662A	2542A12169	11/28/2005	11/28/2007	02662
S.A., RF Section HP-8568B	2601A02492	11/28/2005	11/28/2007	02663
Cable,	n/a	06/22/2006	06/22/2008	P02410
Cable	none	03/01/2006	03/01/2008	PO0875

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
Headset	Creative Labs, Inc.	n/a	n/a
Wireless Router	Linksys	WRT54GS	CGN91FA64901
TV	Phillips	14PT212A/78R	HC065065

Test Conditions / Notes:

EUT is at back edge of table. Audio and video cables are connected to a TV. Headset is connected. WIFI is active. LAN is connected to wireless router via Ethernet. Notes: Shorted ground from isolation transformer to RJ45 connector. Installed shielded Ethernet Cable with Ferrite on both ends. Conducted emissions 0.15-30 MHz.

Transducer Legend:

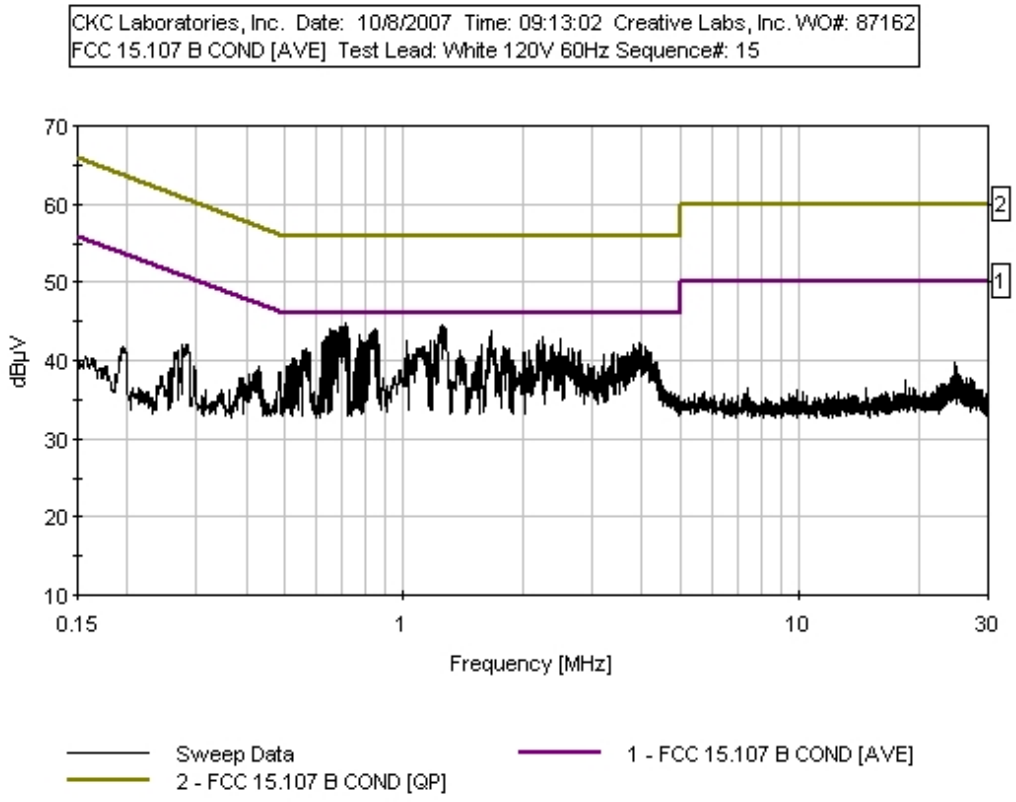
T1=Cable P00875, 15' RG214/U	T2=LISN - AN00493 - White - ELC "OUT"
T3=ANP02223-082707	T4=TTE HP Filter
T5=ANP02410 Coax Cable	

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	dBµV	dB	Ant
1	728.124k	32.4	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.8	46.0	-3.2	White
2	2.497M	32.3	+0.1 +0.1	+0.1	+10.1	+0.1	+0.0	42.8	46.0	-3.2	White
3	807.389k	32.1	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	42.6	46.0	-3.4	White

4	1.170M	32.3	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	42.6	46.0	-3.4	White
5	1.013M	32.2	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	42.5	46.0	-3.5	White
6	1.192M	32.2	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	42.5	46.0	-3.5	White
7	2.195M	32.1	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	42.5	46.0	-3.5	White
8	691.000k Ave	17.3	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	27.7	46.0	-18.3	White
^	691.037k	33.8	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	44.2	46.0	-1.8	White
10	838.000k Ave	17.2	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	27.7	46.0	-18.3	White
^	837.931k	33.2	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	43.7	46.0	-2.3	White
12	708.000k Ave	17.1	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	27.5	46.0	-18.5	White
^	712.126k	34.4	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	44.8	46.0	-1.2	White
^	704.854k	34.0	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	44.4	46.0	-1.6	White
15	1.251M Ave	17.0	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	27.3	46.0	-18.7	White
^	1.251M	34.2	+0.0 +0.1	+0.0	+10.0	+0.2	+0.0	44.5	46.0	-1.5	White
17	721.000k Ave	16.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	27.0	46.0	-19.0	White
^	721.579k	34.0	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	44.4	46.0	-1.6	White
19	846.000k Ave	16.0	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	26.5	46.0	-19.5	White
^	845.930k	33.5	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	44.0	46.0	-2.0	White
21	814.000k Ave	15.7	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	26.2	46.0	-19.8	White
^	814.661k	32.6	+0.1 +0.1	+0.0	+10.1	+0.2	+0.0	43.1	46.0	-2.9	White
23	1.668M Ave	15.7	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	26.1	46.0	-20.0	White
^	1.668M	33.3	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.7	46.0	-2.3	White
25	712.000k Ave	15.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	26.0	46.0	-20.0	White
26	1.647M Ave	15.4	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	25.8	46.0	-20.2	White
^	1.647M	32.6	+0.1 +0.1	+0.0	+10.1	+0.1	+0.0	43.0	46.0	-3.0	White

28	2.238M	15.4	+0.1	+0.0	+10.1	+0.1	+0.0	25.8	46.0	-20.2	White
	Ave		+0.1								
^	2.238M	32.7	+0.1	+0.0	+10.1	+0.1	+0.0	43.1	46.0	-2.9	White
			+0.1								
30	652.000k	15.4	+0.1	+0.0	+10.1	+0.1	+0.0	25.8	46.0	-20.2	White
	Ave		+0.1								
^	651.768k	33.7	+0.1	+0.0	+10.1	+0.1	+0.0	44.1	46.0	-1.9	White
			+0.1								
^	653.222k	32.8	+0.1	+0.0	+10.1	+0.1	+0.0	43.2	46.0	-2.8	White
			+0.1								
33	680.000k	14.8	+0.1	+0.0	+10.1	+0.1	+0.0	25.2	46.0	-20.8	White
	Ave		+0.1								
^	680.129k	33.2	+0.1	+0.0	+10.1	+0.1	+0.0	43.6	46.0	-2.4	White
			+0.1								
^	677.947k	33.0	+0.1	+0.0	+10.1	+0.1	+0.0	43.4	46.0	-2.6	White
			+0.1								
36	771.000k	14.7	+0.1	+0.0	+10.1	+0.1	+0.0	25.1	46.0	-20.9	White
	Ave		+0.1								
^	771.029k	32.8	+0.1	+0.0	+10.1	+0.1	+0.0	43.2	46.0	-2.8	White
			+0.1								
38	640.000k	14.4	+0.1	+0.0	+10.1	+0.1	+0.0	24.8	46.0	-21.2	White
	Ave		+0.1								
^	640.133k	32.7	+0.1	+0.0	+10.1	+0.1	+0.0	43.1	46.0	-2.9	White
			+0.1								
40	857.000k	14.4	+0.0	+0.0	+10.0	+0.2	+0.0	24.7	46.0	-21.3	White
	Ave		+0.1								
^	856.838k	33.5	+0.0	+0.0	+10.0	+0.2	+0.0	43.8	46.0	-2.2	White
			+0.1								
42	633.000k	14.2	+0.1	+0.0	+10.1	+0.1	+0.0	24.6	46.0	-21.4	White
	Ave		+0.1								
^	633.588k	32.7	+0.1	+0.0	+10.1	+0.1	+0.0	43.1	46.0	-2.9	White
			+0.1								
44	661.000k	14.2	+0.1	+0.0	+10.1	+0.1	+0.0	24.6	46.0	-21.4	White
	Ave		+0.1								
^	656.858k	33.5	+0.1	+0.0	+10.1	+0.1	+0.0	43.9	46.0	-2.1	White
			+0.1								
^	661.949k	32.7	+0.1	+0.0	+10.1	+0.1	+0.0	43.1	46.0	-2.9	White
			+0.1								
^	665.585k	32.7	+0.1	+0.0	+10.1	+0.1	+0.0	43.1	46.0	-2.9	White
			+0.1								
48	670.000k	14.1	+0.1	+0.0	+10.1	+0.1	+0.0	24.5	46.0	-21.5	White
	Ave		+0.1								
^	669.948k	33.3	+0.1	+0.0	+10.1	+0.1	+0.0	43.7	46.0	-2.3	White
			+0.1								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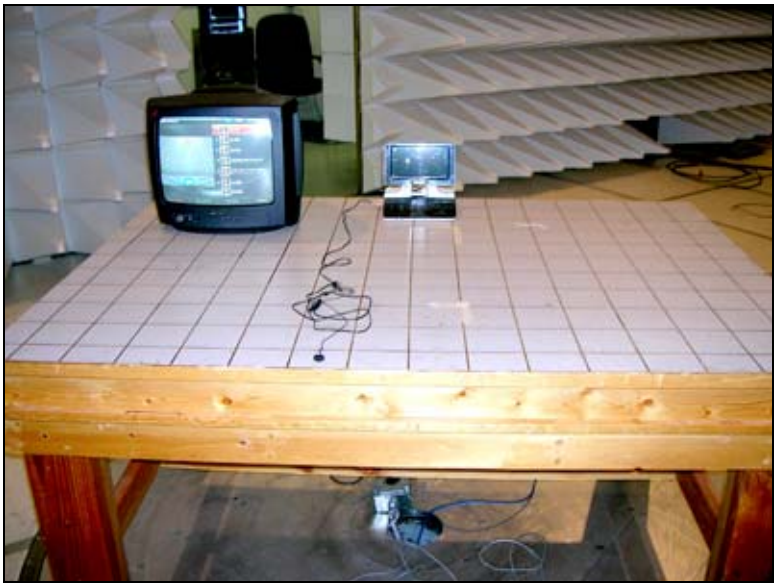
60
50
40
30
20
10
dBµV
0.15
1
10
30
Frequency [MHz]
2
1
Sweep Data
2 - FCC 15.107 B COND [QP]
1 - FCC 15.107 B COND [AVE]

FCC 15.109 – RADIATED EMISSIONS

Test Setup Photos



Test Data Sheets

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.109 Class B Radiated**
Work Order #: **87162** Date: 9/25/2007
Test Type: **Maximized Emissions** Time: 11:49:18
Equipment: **Video Conferencing Device** Sequence#: 13
Manufacturer: Creative Labs, Inc Tested By: Benny Lovan
Model: VC0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Antenna	2630	12/30/2006	12/30/2008	00852
Pre-amp	2944A03850	01/02/2007	01/02/2009	00501
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Cable	None	04/02/2007	04/02/2009	P05299
Cable	None	04/02/2007	04/02/2009	P05296
Cable	None	04/05/2007	04/05/2009	P05300

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VC0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
Headset	Creative Labs, Inc.	n/a	n/a
Wireless Router	Linksys	WRT54GS	CGN91FA64901
TV	Phillips	14PT212A/78R	HC065065

Test Conditions / Notes:

EUT is at the back edge of the table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. WIFI is active. LAN is connected to wireless router outside of the chamber via Ethernet. Radiated emissions 30-1000 MHz. Shorted ground from isolation transformer to RJ45 connector. Added Ferrite on the RJ45 Cable. Changed EUT to the ER56. Installed shielded Ethernet Cable with Ferrite on both ends.

Transducer Legend:

T1=ANT AN00852 25-1000MHz	T2=AMP-ANP00501-010207 Top Portion
T3=Cable Calibration ANP05296	T4=Cable Calibration ANP05299
T5=Cable Calibration ANP05300	

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

#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5								
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	674.927M	48.1	+20.7	-27.8	+1.9	+0.2	+0.0	43.8	46.0	-2.2	Horiz
	QP		+0.7				63				139
^	674.927M	49.7	+20.7	-27.8	+1.9	+0.2	+0.0	45.4	46.0	-0.6	Horiz
			+0.7				63				139
3	30.665M	44.0	+18.3	-26.9	+0.5	+0.0	+0.0	36.0	40.0	-4.0	Vert
	QP		+0.1				173				99
^	30.665M	47.9	+18.3	-26.9	+0.5	+0.0	+0.0	39.9	40.0	-0.1	Vert
			+0.1				173				99
5	349.993M	50.3	+15.0	-26.6	+1.3	+0.2	+0.0	40.7	46.0	-5.3	Vert
	QP		+0.5				-10				149
^	349.993M	51.6	+15.0	-26.6	+1.3	+0.2	+0.0	42.0	46.0	-4.0	Vert
			+0.5				-10				149
7	500.032M	47.3	+18.4	-27.8	+1.5	+0.2	+0.0	40.2	46.0	-5.8	Horiz
			+0.6				271				179
8	325.017M	50.6	+14.3	-26.4	+1.1	+0.1	+0.0	40.1	46.0	-5.9	Horiz
			+0.4				161				119
9	300.032M	51.1	+13.5	-26.3	+1.1	+0.1	+0.0	40.0	46.0	-6.0	Horiz
			+0.5				-10				120
10	203.300M	52.6	+9.4	-26.3	+0.9	+0.1	+0.0	37.0	43.5	-6.5	Horiz
	QP		+0.3				47				169
^	203.300M	54.6	+9.4	-26.3	+0.9	+0.1	+0.0	39.0	43.5	-4.5	Horiz
			+0.3				47				169
12	324.994M	49.8	+14.3	-26.4	+1.1	+0.1	+0.0	39.3	46.0	-6.7	Vert
			+0.4				370				199
13	211.624M	51.6	+10.1	-26.2	+0.9	+0.1	+0.0	36.8	43.5	-6.7	Vert
	QP		+0.3				186				98
^	211.624M	52.9	+10.1	-26.2	+0.9	+0.1	+0.0	38.1	43.5	-5.4	Vert
			+0.3				186				98
15	500.003M	46.4	+18.4	-27.8	+1.5	+0.2	+0.0	39.3	46.0	-6.7	Vert
			+0.6				218				114
16	350.002M	48.8	+15.0	-26.6	+1.3	+0.2	+0.0	39.2	46.0	-6.8	Horiz
			+0.5				17				174
17	375.008M	48.5	+15.7	-26.8	+1.2	+0.1	+0.0	39.1	46.0	-6.9	Vert
	QP		+0.4				276				150
^	375.008M	50.5	+15.7	-26.8	+1.2	+0.1	+0.0	41.1	46.0	-4.9	Vert
			+0.4				276				150
19	38.968M	44.2	+15.0	-26.9	+0.5	+0.1	+0.0	33.0	40.0	-7.0	Vert
			+0.1				226				100
20	674.980M	43.3	+20.7	-27.8	+1.9	+0.2	+0.0	39.0	46.0	-7.0	Vert
	QP		+0.7				326				100
^	674.980M	45.4	+20.7	-27.8	+1.9	+0.2	+0.0	41.1	46.0	-4.9	Vert
			+0.7				326				100

22	250.016M QP	50.4	+13.0 +0.4	-26.2	+1.1	+0.1	+0.0 45	38.8	46.0	-7.2	Vert 100
^	250.016M	52.7	+13.0 +0.4	-26.2	+1.1	+0.1	+0.0 45	41.1	46.0	-4.9	Vert 100
24	275.047M	50.0	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 299	38.8	46.0	-7.2	Horiz 120
25	404.986M QP	47.3	+16.4 +0.5	-27.2	+1.3	+0.1	+0.0 58	38.4	46.0	-7.6	Vert 150
^	404.986M	50.3	+16.4 +0.5	-27.2	+1.3	+0.1	+0.0 58	41.4	46.0	-4.6	Vert 150
27	107.960M QP	50.8	+10.8 +0.2	-26.7	+0.7	+0.1	+0.0 31	35.9	43.5	-7.6	Vert 98
^	107.960M	52.1	+10.8 +0.2	-26.7	+0.7	+0.1	+0.0 31	37.2	43.5	-6.3	Vert 98
29	203.215M QP	51.4	+9.4 +0.3	-26.3	+0.9	+0.1	+0.0 176	35.8	43.5	-7.7	Vert 98
^	203.215M	53.1	+9.4 +0.3	-26.3	+0.9	+0.1	+0.0 176	37.5	43.5	-6.0	Vert 98
31	599.972M	43.7	+20.1 +0.6	-28.0	+1.7	+0.2	+0.0	38.3	46.0	-7.7	Horiz 140
32	374.987M	47.5	+15.7 +0.4	-26.8	+1.2	+0.1	+0.0 27	38.1	46.0	-7.9	Horiz 174
33	198.170M QP	51.5	+9.1 +0.3	-26.4	+0.9	+0.1	+0.0	35.5	43.5	-8.0	Horiz 169
^	198.170M	52.9	+9.1 +0.3	-26.4	+0.9	+0.1	+0.0	36.9	43.5	-6.6	Horiz 169
35	211.744M QP	49.9	+10.1 +0.3	-26.2	+0.9	+0.1	+0.0 157	35.1	43.5	-8.4	Horiz 169
^	211.744M	51.7	+10.1 +0.3	-26.2	+0.9	+0.1	+0.0 157	36.9	43.5	-6.6	Horiz 169
37	486.098M	44.4	+18.1 +0.6	-27.7	+1.4	+0.2	+0.0 -10	37.0	46.0	-9.0	Horiz 130
38	215.232M QP	48.4	+10.4 +0.4	-26.2	+0.9	+0.1	+0.0 178	34.0	43.5	-9.5	Vert 100
^	215.232M	50.0	+10.4 +0.4	-26.2	+0.9	+0.1	+0.0 178	35.6	43.5	-7.9	Vert 100
40	206.579M QP	49.2	+9.7 +0.3	-26.3	+0.9	+0.1	+0.0 177	33.9	43.5	-9.6	Vert 100
^	206.579M	51.5	+9.7 +0.3	-26.3	+0.9	+0.1	+0.0 177	36.2	43.5	-7.3	Vert 100
42	205.021M	49.3	+9.5 +0.3	-26.3	+0.9	+0.1	+0.0 174	33.8	43.5	-9.7	Vert 100
43	198.170M	49.7	+9.1 +0.3	-26.4	+0.9	+0.1	+0.0 151	33.7	43.5	-9.8	Vert 100
44	215.107M	48.1	+10.4 +0.4	-26.2	+0.9	+0.1	+0.0 141	33.7	43.5	-9.8	Horiz 169
45	209.942M QP	48.6	+10.0 +0.3	-26.2	+0.9	+0.1	+0.0 146	33.7	43.5	-9.8	Horiz 170
^	209.942M	51.0	+10.0 +0.3	-26.2	+0.9	+0.1	+0.0 146	36.1	43.5	-7.4	Horiz 170

47	189.642M QP	49.5	+9.2 +0.3	-26.4	+0.9	+0.1	+0.0 177	33.6	43.5	-9.9	Vert 100
^	189.642M	50.7	+9.2 +0.3	-26.4	+0.9	+0.1	+0.0 177	34.8	43.5	-8.7	Vert 100
49	125.017M QP	47.2	+11.8 +0.3	-26.6	+0.7	+0.1	+0.0 160	33.5	43.5	-10.0	Vert 98
^	125.017M	48.9	+11.8 +0.3	-26.6	+0.7	+0.1	+0.0 160	35.2	43.5	-8.3	Vert 98
51	89.295M	50.2	+9.1 +0.2	-26.8	+0.6	+0.0	+0.0 114	33.3	43.5	-10.2	Vert 100
52	209.942M	48.1	+10.0 +0.3	-26.2	+0.9	+0.1	+0.0 192	33.2	43.5	-10.3	Vert 170
53	201.646M	49.1	+9.2 +0.3	-26.4	+0.9	+0.1	+0.0 45	33.2	43.5	-10.3	Vert 99
54	216.926M QP	49.9	+10.5 +0.4	-26.2	+0.9	+0.1	+0.0 181	35.6	46.0	-10.4	Vert 100
^	216.926M	51.5	+10.5 +0.4	-26.2	+0.9	+0.1	+0.0 181	37.2	46.0	-8.8	Vert 100
56	189.762M	49.0	+9.2 +0.3	-26.4	+0.9	+0.1	+0.0 29	33.1	43.5	-10.4	Horiz 120
57	100.993M	48.3	+10.3 +0.2	-26.7	+0.7	+0.1	+0.0 120	32.9	43.5	-10.6	Vert 100
58	196.489M	48.8	+9.1 +0.3	-26.4	+0.9	+0.1	+0.0	32.8	43.5	-10.7	Horiz 170
59	220.280M QP	49.1	+10.8 +0.4	-26.2	+0.9	+0.1	+0.0 196	35.1	46.0	-10.9	Vert 100
^	220.280M	50.7	+10.8 +0.4	-26.2	+0.9	+0.1	+0.0 196	36.7	46.0	-9.3	Vert 100
61	208.463M QP	47.7	+9.8 +0.3	-26.2	+0.9	+0.1	+0.0 196	32.6	43.5	-10.9	Vert 100
^	208.463M	50.9	+9.8 +0.3	-26.2	+0.9	+0.1	+0.0 196	35.8	43.5	-7.7	Vert 100
63	193.195M	48.4	+9.2 +0.3	-26.4	+0.9	+0.1	+0.0	32.5	43.5	-11.0	Horiz 170
64	30.000M QP	36.9	+18.4 +0.1	-26.9	+0.5	+0.0	+0.0 229	29.0	40.0	-11.0	Vert 100
^	30.000M	42.9	+18.4 +0.1	-26.9	+0.5	+0.0	+0.0 229	35.0	40.0	-5.0	Vert 100
66	193.168M	48.0	+9.2 +0.3	-26.4	+0.9	+0.1	+0.0 4	32.1	43.5	-11.4	Vert 99
67	206.699M QP	47.1	+9.7 +0.3	-26.3	+0.9	+0.1	+0.0 -10	31.8	43.5	-11.7	Horiz 170
^	206.699M	51.2	+9.7 +0.3	-26.3	+0.9	+0.1	+0.0 -10	35.9	43.5	-7.6	Horiz 170
69	216.789M QP	48.3	+10.5 +0.4	-26.2	+0.9	+0.1	+0.0 155	34.0	46.0	-12.0	Horiz 120
^	216.789M	49.9	+10.5 +0.4	-26.2	+0.9	+0.1	+0.0 155	35.6	46.0	-10.4	Horiz 120
71	184.597M	47.1	+9.3 +0.3	-26.4	+0.9	+0.2	+0.0 140	31.4	43.5	-12.1	Horiz 170

72	226.999M	47.3	+11.3	-26.1	+0.9	+0.1	+0.0	33.9	46.0	-12.1	Horiz
			+0.4				39				119
73	201.534M	47.2	+9.2	-26.4	+0.9	+0.1	+0.0	31.3	43.5	-12.2	Horiz
	QP		+0.3								170
^	201.534M	50.0	+9.2	-26.4	+0.9	+0.1	+0.0	34.1	43.5	-9.4	Horiz
			+0.3								170
75	225.197M	47.3	+11.2	-26.1	+0.9	+0.1	+0.0	33.8	46.0	-12.2	Horiz
	QP		+0.4				281				120
^	225.197M	49.1	+11.2	-26.1	+0.9	+0.1	+0.0	35.6	46.0	-10.4	Horiz
			+0.4				281				120
77	227.093M	47.2	+11.3	-26.1	+0.9	+0.1	+0.0	33.8	46.0	-12.2	Vert
			+0.4				-10				200
78	223.636M	47.2	+11.1	-26.2	+0.9	+0.1	+0.0	33.5	46.0	-12.5	Horiz
	QP		+0.4				144				120
^	223.636M	48.9	+11.1	-26.2	+0.9	+0.1	+0.0	35.2	46.0	-10.8	Horiz
			+0.4				144				120
80	132.015M	44.6	+11.8	-26.6	+0.7	+0.1	+0.0	30.9	43.5	-12.6	Vert
			+0.3				-3				99
81	213.491M	45.5	+10.2	-26.2	+0.9	+0.1	+0.0	30.9	43.5	-12.6	Vert
			+0.4				27				99
82	223.664M	46.3	+11.1	-26.2	+0.9	+0.1	+0.0	32.6	46.0	-13.4	Vert
	QP		+0.4				108				199
^	223.664M	47.9	+11.1	-26.2	+0.9	+0.1	+0.0	34.2	46.0	-11.8	Vert
			+0.4				108				199
84	228.681M	45.9	+11.4	-26.1	+0.9	+0.1	+0.0	32.6	46.0	-13.4	Horiz
	QP		+0.4				29				119
^	228.681M	47.5	+11.4	-26.1	+0.9	+0.1	+0.0	34.2	46.0	-11.8	Horiz
			+0.4				29				119
86	218.591M	46.4	+10.7	-26.2	+0.9	+0.1	+0.0	32.3	46.0	-13.7	Horiz
	QP		+0.4				29				119
^	218.591M	49.0	+10.7	-26.2	+0.9	+0.1	+0.0	34.9	46.0	-11.1	Horiz
			+0.4				29				119
88	221.834M	43.9	+10.9	-26.2	+0.9	+0.1	+0.0	30.0	46.0	-16.0	Vert
			+0.4				370				129

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.109 Class B Radiated**
Work Order #: **87162** Date: 10/18/2007
Test Type: **Maximized Emissions** Time: 15:06:34
Equipment: **Video Conferencing Device** Sequence#: 24
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable		03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241
Preamp, Agilent 83051A	00323	02/27/2006	02/27/2008	02810

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
TV	Phillips	14PT212A/78R	HC065065
Headset	Creative Labs, Inc.	n/a	n/a

Test Conditions / Notes:

EUT is at back edge of table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. EUT is communicating over the LAN connection. Notes: Shorted ground from isolation transformer to RJ45 connector. Installed shielded Ethernet Cable with Ferrite on both ends. Radiated emissions 1-12.5 GHz.

Transducer Legend:

T1=ANT AN02061 900MHz-18.5GHz	T2=ANP04241 HF-Heliax Cable
T3=P05138 HF Cable 25ft	T4=Cable P01952 2'
T5=AMP AN02810 50GHz	

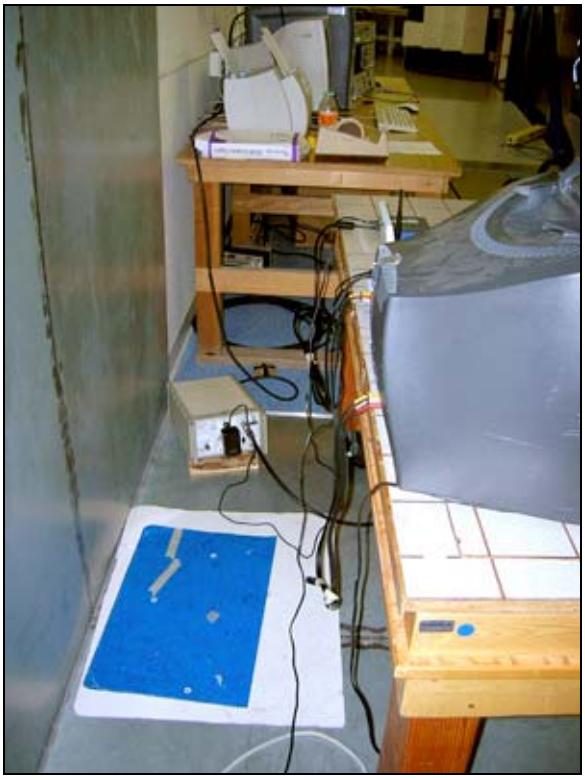
Ext Attn: 0 dB

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

#	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	1484.982M	36.3	+24.3 -28.2	+0.5	+1.8	+0.2	+0.0 19	34.9	54.0	-19.1	Vert 99
2	1754.906M	33.0	+26.7 -28.1	+0.5	+1.9	+0.2	+0.0 360	34.2	54.0	-19.8	Vert 105
3	1214.866M	34.7	+23.6 -28.2	+0.4	+1.7	+0.2	+0.0 314	32.4	54.0	-21.6	Vert 105

FCC 15.207 – AC CONDUCTED EMISSIONS

Test Setup Photos



Test Data Sheets

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.207 COND [AVE]**
Work Order #: **87162** Date: 10/18/2007
Test Type: **Conducted Emissions** Time: 15:58:33
Equipment: **Video Conferencing Device** Sequence#: 25
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340 120V 60Hz
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
TTE High Pass Filter	H4120	01/17/2007	01/17/2009	05258
LISN	9408-1006	04/01/2007	04/01/2009	00493
10 dB attenuator	none	10/20/2005	10/20/2007	02223
QP Adapter	2521A00909	07/12/2006	07/12/2008	00683
S.A., Display HP-85662A	2542A12169	11/28/2005	11/28/2007	02662
S.A., RF Section HP-8568B	2601A02492	11/28/2005	11/28/2007	02663
Cable	none	03/01/2006	03/01/2008	PO0875

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
Headset	Creative Labs, Inc.	n/a	n/a
Wireless Router	Linksys	WRT54GS	CGN91FA64901
TV	Phillips	14PT212A/78R	HC065065

Test Conditions / Notes:

EUT is at back edge of table. Audio and video cables are connected to a TV. Headset is connected. WIFI is active. LAN is connected to wireless router via Ethernet. Transmitting continuously on CH6 using 802.11g. Notes: Shorted ground from isolation transformer to RJ45 connector. Installed shielded Ethernet Cable with Ferrite on both ends. Conducted emissions 0.15-30 MHz. BW=9kHz.

Transducer Legend:

T1=Cable P00875, 15' RG214/U	T2=LISN - AN00493 - Black - ELC "OUT"
T3=ANP02223-082707	T4=TTE HP Filter

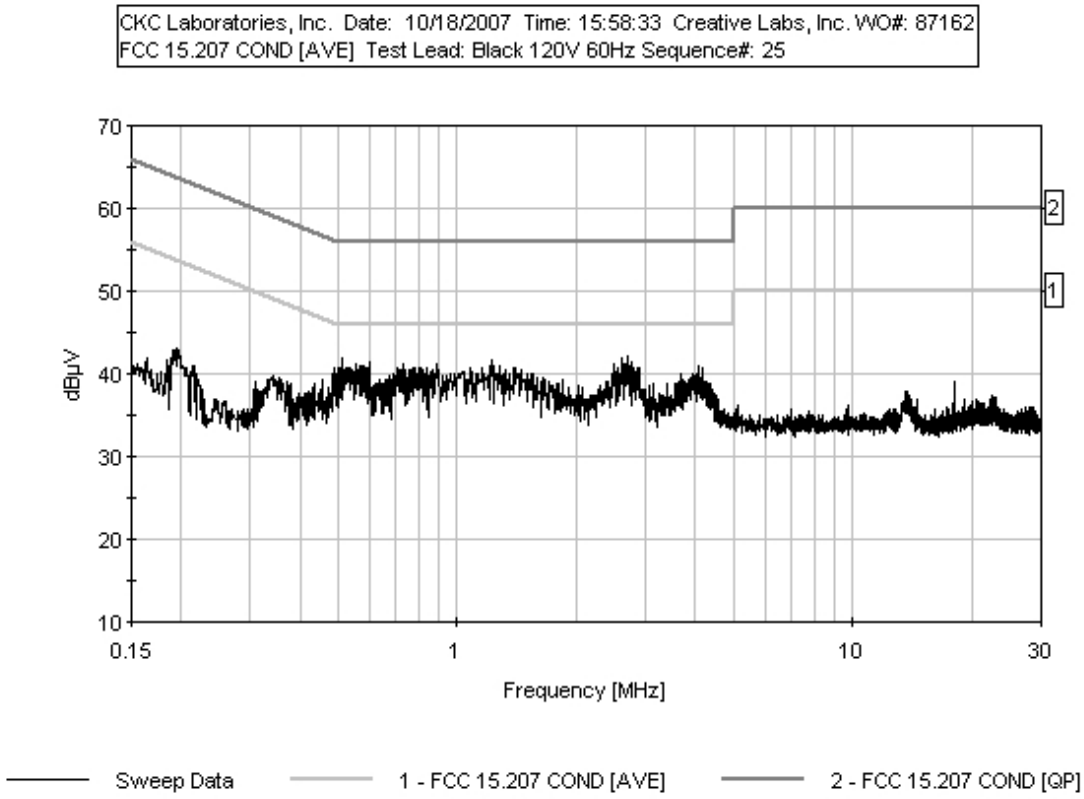
Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	4.071M	30.8	+0.1	+0.0	+10.0	+0.1	+0.0	41.0	46.0	-5.0	Black
2	781.937k	30.4	+0.1	+0.0	+10.1	+0.2	+0.0	40.8	46.0	-5.2	Black
3	2.872M	30.6	+0.1	-0.1	+10.1	+0.1	+0.0	40.8	46.0	-5.2	Black

4	4.160M	30.6	+0.1	+0.0	+10.0	+0.1	+0.0	40.8	46.0	-5.2	Black
5	525.962k	30.4	+0.1	+0.0	+10.1	+0.1	+0.0	40.7	46.0	-5.3	Black
6	592.865k	30.3	+0.1	+0.1	+10.1	+0.1	+0.0	40.7	46.0	-5.3	Black
7	486.694k	30.4	+0.1	+0.1	+10.1	+0.1	+0.0	40.8	46.2	-5.4	Black
8	585.593k	30.2	+0.1	+0.1	+10.1	+0.1	+0.0	40.6	46.0	-5.4	Black
9	838.658k	30.2	+0.1	+0.0	+10.1	+0.2	+0.0	40.6	46.0	-5.4	Black
10	2.536M	30.4	+0.1	-0.1	+10.1	+0.1	+0.0	40.6	46.0	-5.4	Black
11	835.022k	30.0	+0.1	+0.0	+10.1	+0.2	+0.0	40.4	46.0	-5.6	Black
12	865.565k	30.2	+0.0	+0.0	+10.0	+0.2	+0.0	40.4	46.0	-5.6	Black
13	3.667M	29.9	+0.1	+0.0	+10.0	+0.1	+0.0	40.1	46.0	-5.9	Black
14	4.020M	29.8	+0.1	+0.0	+10.0	+0.1	+0.0	40.0	46.0	-6.0	Black
15	741.941k	29.5	+0.1	+0.0	+10.1	+0.1	+0.0	39.8	46.0	-6.2	Black

16	836.477k	29.1	+0.1	+0.0	+10.1	+0.2	+0.0	39.5	46.0	-6.5	Black
17	1.647M	29.2	+0.1	+0.0	+10.1	+0.1	+0.0	39.5	46.0	-6.5	Black
18	1.847M	29.0	+0.1	+0.0	+10.1	+0.1	+0.0	39.3	46.0	-6.7	Black
19	455.424k	28.8	+0.1	+0.1	+10.1	+0.1	+0.0	39.2	46.8	-7.6	Black
20	353.616k	29.5	+0.1	+0.0	+10.0	+0.0	+0.0	39.6	48.9	-9.3	Black
21	378.341k	28.6	+0.1	+0.1	+10.0	+0.0	+0.0	38.8	48.3	-9.5	Black
22	195.086k	32.4	+0.0	+0.0	+10.1	+0.5	+0.0	43.0	53.8	-10.8	Black
23	308.530k	28.7	+0.1	+0.1	+10.0	+0.1	+0.0	39.0	50.0	-11.0	Black
24	18.013M	28.4	+0.2	+0.2	+10.0	+0.2	+0.0	39.0	50.0	-11.0	Black
25	307.075k	27.9	+0.1	+0.1	+10.0	+0.1	+0.0	38.2	50.0	-11.8	Black
26	214.721k	30.7	+0.0	+0.0	+10.1	+0.2	+0.0	41.0	53.0	-12.0	Black
27	13.716M	27.6	+0.2	+0.0	+10.0	+0.1	+0.0	37.9	50.0	-12.1	Black
28	304.894k	27.6	+0.1	+0.1	+10.0	+0.1	+0.0	37.9	50.1	-12.2	Black
29	13.671M	27.5	+0.2	+0.0	+10.0	+0.1	+0.0	37.8	50.0	-12.2	Black
30	13.842M	27.2	+0.2	+0.0	+10.0	+0.1	+0.0	37.5	50.0	-12.5	Black
31	184.178k	30.4	+0.0	+0.0	+10.1	+1.1	+0.0	41.6	54.3	-12.7	Black
32	22.427M	26.7	+0.2	+0.2	+10.0	+0.2	+0.0	37.3	50.0	-12.7	Black
33	219.811k	29.7	+0.0	+0.0	+10.1	+0.2	+0.0	40.0	52.8	-12.8	Black
34	22.968M	26.6	+0.2	+0.2	+10.0	+0.2	+0.0	37.2	50.0	-12.8	Black
35	22.842M	26.5	+0.2	+0.2	+10.0	+0.2	+0.0	37.1	50.0	-12.9	Black
36	13.770M	26.7	+0.2	+0.0	+10.0	+0.1	+0.0	37.0	50.0	-13.0	Black
37	14.598M	26.7	+0.2	+0.0	+10.0	+0.1	+0.0	37.0	50.0	-13.0	Black
38	20.517M	26.3	+0.2	+0.3	+10.0	+0.2	+0.0	37.0	50.0	-13.0	Black
39	22.364M	26.4	+0.2	+0.2	+10.0	+0.2	+0.0	37.0	50.0	-13.0	Black
40	14.013M	26.6	+0.2	+0.0	+10.0	+0.1	+0.0	36.9	50.0	-13.1	Black

41	2.494M Ave	15.1	+0.1	-0.1	+10.1	+0.1	+0.0	25.3	46.0	-20.7	Black
^	2.489M	30.9	+0.1	-0.1	+10.1	+0.1	+0.0	41.1	46.0	-4.9	Black
43	2.715M Ave	15.0	+0.1	-0.1	+10.1	+0.1	+0.0	25.2	46.0	-20.8	Black
^	2.706M	32.0	+0.1	-0.1	+10.1	+0.1	+0.0	42.2	46.0	-3.8	Black
45	734.000k Ave	14.7	+0.1	+0.0	+10.1	+0.1	+0.0	25.0	46.0	-21.0	Black
^	729.670k	30.9	+0.1	+0.0	+10.1	+0.1	+0.0	41.2	46.0	-4.8	Black
47	566.000k Ave	14.6	+0.1	+0.0	+10.1	+0.1	+0.0	24.9	46.0	-21.1	Black
^	566.505k	30.8	+0.1	+0.0	+10.1	+0.1	+0.0	41.1	46.0	-4.9	Black
49	2.622M Ave	14.7	+0.1	-0.1	+10.1	+0.1	+0.0	24.9	46.0	-21.1	Black
^	2.616M	31.8	+0.1	-0.1	+10.1	+0.1	+0.0	42.0	46.0	-4.0	Black
51	2.772M Ave	14.7	+0.1	-0.1	+10.1	+0.1	+0.0	24.8	46.0	-21.2	Black
^	2.765M	31.1	+0.1	-0.1	+10.1	+0.1	+0.0	41.3	46.0	-4.7	Black
53	600.000k Ave	14.2	+0.1	+0.1	+10.1	+0.1	+0.0	24.6	46.0	-21.4	Black
^	601.591k	31.1	+0.1	+0.1	+10.1	+0.1	+0.0	41.5	46.0	-4.5	Black
55	719.000k Ave	14.2	+0.1	+0.0	+10.1	+0.1	+0.0	24.5	46.0	-21.5	Black
56	505.000k Ave	13.9	+0.1	+0.1	+10.1	+0.1	+0.0	24.3	46.0	-21.7	Black
^	509.237k	31.4	+0.1	+0.1	+10.1	+0.1	+0.0	41.8	46.0	-4.2	Black
^	500.510k	30.1	+0.1	+0.1	+10.1	+0.1	+0.0	40.5	46.0	-5.5	Black
59	1.226M Ave	13.9	+0.0	+0.0	+10.0	+0.2	+0.0	24.1	46.0	-21.9	Black
^	1.217M	31.5	+0.0	+0.0	+10.0	+0.2	+0.0	41.7	46.0	-4.3	Black


CKC Laboratories, Inc. Date: 10/18/2007 Time: 15:58:33 Creative Labs, Inc. WO#: 87162
FCC 15.207 COND [AVE] Test Lead: Black 120V 60Hz Sequence#: 25
70
60
50
40
30
20
10
dBµV
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. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.207 COND [AVE]**
Work Order #: **87162** Date: 10/18/2007
Test Type: **Conducted Emissions** Time: 16:10:56
Equipment: **Video Conferencing Device** Sequence#: 26
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340 120V 60Hz
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
TTE High Pass Filter	H4120	01/17/2007	01/17/2009	05258
LISN	9408-1006	04/01/2007	04/01/2009	00493
10 dB attenuator	none	10/20/2005	10/20/2007	02223
QP Adapter	2521A00909	07/12/2006	07/12/2008	00683
S.A., Display HP-85662A	2542A12169	11/28/2005	11/28/2007	02662
S.A., RF Section HP-8568B	2601A02492	11/28/2005	11/28/2007	02663
Cable	none	03/01/2006	03/01/2008	PO0875

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
Headset	Creative Labs, Inc.	n/a	n/a
Wireless Router	Linksys	WRT54GS	CGN91FA64901
TV	Phillips	14PT212A/78R	HC065065

Test Conditions / Notes:

EUT is at back edge of table. Audio and video cables are connected to a TV. Headset is connected. WIFI is active. LAN is connected to wireless router via Ethernet. Transmitting continuously on CH6 using 802.11g. Notes: Shorted ground from isolation transformer to RJ45 connector. Installed shielded Ethernet Cable with Ferrite on both ends. Conducted emissions 0.15-30 MHz. BW=9kHz.

Transducer Legend:

T1=Cable P00875, 15' RG214/U	T2=LISN - AN00493 - White - ELC "OUT"
T3=ANP02223-082707	T4=TTE HP Filter

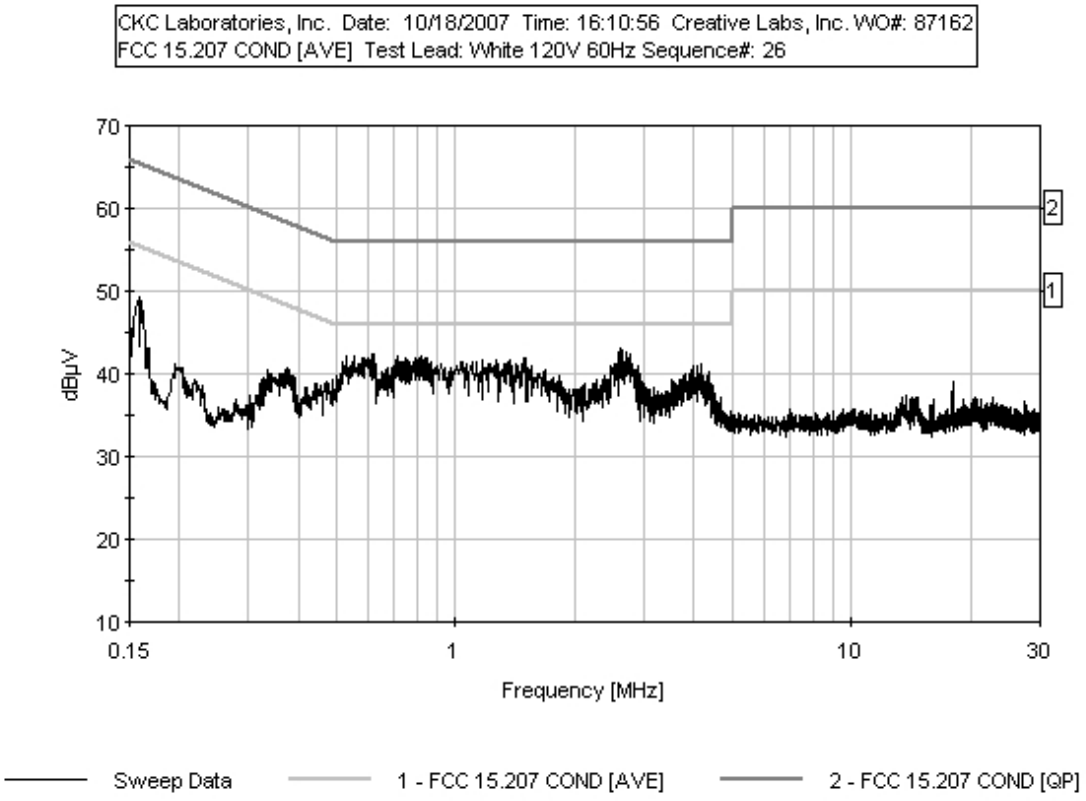
Measurement Data: Reading listed by margin. Test Lead: White

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	624.134k	31.6	+0.1	+0.0	+10.1	+0.1	+0.0	41.9	46.0	-4.1	White
2	749.213k	31.5	+0.1	+0.0	+10.1	+0.1	+0.0	41.8	46.0	-4.2	White
3	1.494M	31.5	+0.1	+0.0	+10.1	+0.1	+0.0	41.8	46.0	-4.2	White

4	1.166M	31.5	+0.0	+0.0	+10.0	+0.2	+0.0	41.7	46.0	-4.3	White
5	755.758k	31.3	+0.1	+0.0	+10.1	+0.1	+0.0	41.6	46.0	-4.4	White
6	1.268M	31.4	+0.0	+0.0	+10.0	+0.2	+0.0	41.6	46.0	-4.4	White
7	1.375M	31.4	+0.0	+0.0	+10.0	+0.2	+0.0	41.6	46.0	-4.4	White
8	517.963k	31.2	+0.1	+0.0	+10.1	+0.1	+0.0	41.5	46.0	-4.5	White
9	762.302k	31.1	+0.1	+0.0	+10.1	+0.1	+0.0	41.4	46.0	-4.6	White
10	1.285M	31.0	+0.0	+0.0	+10.0	+0.2	+0.0	41.2	46.0	-4.8	White
11	753.576k	30.8	+0.1	+0.0	+10.1	+0.1	+0.0	41.1	46.0	-4.9	White
12	4.190M	30.8	+0.1	+0.1	+10.0	+0.1	+0.0	41.1	46.0	-4.9	White
13	696.127k	30.7	+0.1	+0.0	+10.1	+0.1	+0.0	41.0	46.0	-5.0	White
14	627.770k	30.6	+0.1	+0.0	+10.1	+0.1	+0.0	40.9	46.0	-5.1	White
15	1.549M	30.6	+0.1	+0.0	+10.1	+0.1	+0.0	40.9	46.0	-5.1	White
16	2.451M	30.5	+0.1	+0.1	+10.1	+0.1	+0.0	40.9	46.0	-5.1	White
17	2.876M	30.5	+0.1	+0.1	+10.1	+0.1	+0.0	40.9	46.0	-5.1	White
18	3.969M	30.6	+0.1	+0.1	+10.0	+0.1	+0.0	40.9	46.0	-5.1	White
19	4.092M	30.6	+0.1	+0.1	+10.0	+0.1	+0.0	40.9	46.0	-5.1	White
20	1.515M	30.5	+0.1	+0.0	+10.1	+0.1	+0.0	40.8	46.0	-5.2	White
21	685.946k	30.4	+0.1	+0.0	+10.1	+0.1	+0.0	40.7	46.0	-5.3	White
22	691.764k	30.4	+0.1	+0.0	+10.1	+0.1	+0.0	40.7	46.0	-5.3	White
23	629.952k	30.3	+0.1	+0.0	+10.1	+0.1	+0.0	40.6	46.0	-5.4	White
24	670.675k	30.3	+0.1	+0.0	+10.1	+0.1	+0.0	40.6	46.0	-5.4	White
25	1.694M	30.2	+0.1	+0.0	+10.1	+0.1	+0.0	40.5	46.0	-5.5	White
26	867.019k	30.2	+0.0	+0.0	+10.0	+0.2	+0.0	40.4	46.0	-5.6	White
27	876.473k	30.0	+0.0	+0.0	+10.0	+0.2	+0.0	40.2	46.0	-5.8	White
28	4.360M	29.9	+0.1	+0.1	+10.0	+0.1	+0.0	40.2	46.0	-5.8	White

29	158.726k	36.6	+0.0	+0.0	+10.1	+2.7	+0.0	49.4	55.5	-6.1	White
30	2.906M	29.5	+0.1	+0.1	+10.1	+0.1	+0.0	39.9	46.0	-6.1	White
31	499.056k	29.4	+0.1	+0.0	+10.1	+0.1	+0.0	39.7	46.0	-6.3	White
32	160.181k	36.2	+0.0	+0.0	+10.1	+2.6	+0.0	48.9	55.5	-6.6	White
33	3.514M	29.1	+0.1	+0.1	+10.0	+0.1	+0.0	39.4	46.0	-6.6	White
34	3.671M	29.1	+0.1	+0.1	+10.0	+0.1	+0.0	39.4	46.0	-6.6	White
35	487.421k	29.1	+0.1	+0.0	+10.1	+0.1	+0.0	39.4	46.2	-6.8	White
36	2.948M	28.6	+0.1	+0.1	+10.1	+0.1	+0.0	39.0	46.0	-7.0	White
37	2.995M	28.3	+0.1	+0.1	+10.1	+0.1	+0.0	38.7	46.0	-7.3	White
38	376.886k	30.5	+0.1	+0.1	+10.0	+0.0	+0.0	40.7	48.3	-7.6	White
39	381.250k	30.3	+0.1	+0.1	+10.0	+0.0	+0.0	40.5	48.3	-7.8	White
40	443.062k	28.6	+0.1	+0.0	+10.0	+0.1	+0.0	38.8	47.0	-8.2	White
41	447.425k	28.4	+0.1	+0.0	+10.1	+0.1	+0.0	38.7	46.9	-8.2	White
42	388.522k	29.5	+0.1	+0.1	+10.0	+0.0	+0.0	39.7	48.1	-8.4	White
43	389.976k	29.5	+0.1	+0.1	+10.0	+0.0	+0.0	39.7	48.1	-8.4	White
44	359.434k	29.7	+0.1	+0.1	+10.0	+0.0	+0.0	39.9	48.7	-8.8	White
45 Ave	815.000k	15.5	+0.1	+0.0	+10.1	+0.2	+0.0	25.9	46.0	-20.1	White
^	816.842k	31.7	+0.1	+0.0	+10.1	+0.2	+0.0	42.1	46.0	-3.9	White
47 Ave	523.000k	15.4	+0.1	+0.0	+10.1	+0.1	+0.0	25.7	46.0	-20.3	White
^	524.598k	31.9	+0.1	+0.0	+10.1	+0.1	+0.0	42.2	46.0	-3.8	White
49 Ave	2.622M	15.3	+0.1	+0.1	+10.1	+0.1	+0.0	25.7	46.0	-20.3	White
50 Ave	2.615M	15.1	+0.1	+0.1	+10.1	+0.1	+0.0	25.5	46.0	-20.5	White
^	2.612M	32.6	+0.1	+0.1	+10.1	+0.1	+0.0	43.0	46.0	-3.0	White
52 Ave	715.000k	14.7	+0.1	+0.0	+10.1	+0.1	+0.0	25.0	46.0	-21.0	White
^	718.560k	31.9	+0.1	+0.0	+10.1	+0.1	+0.0	42.2	46.0	-3.8	White

54	554.000k Ave	14.6	+0.1	+0.0	+10.1	+0.1	+0.0	24.9	46.0	-21.1	White
^	552.142k	31.9	+0.1	+0.0	+10.1	+0.1	+0.0	42.2	46.0	-3.8	White
56	709.000k Ave	14.2	+0.1	+0.0	+10.1	+0.1	+0.0	24.5	46.0	-21.5	White
^	709.944k	31.9	+0.1	+0.0	+10.1	+0.1	+0.0	42.2	46.0	-3.8	White
58	612.000k Ave	13.7	+0.1	+0.0	+10.1	+0.1	+0.0	24.0	46.0	-22.0	White
^	613.590k	32.1	+0.1	+0.0	+10.1	+0.1	+0.0	42.4	46.0	-3.6	White



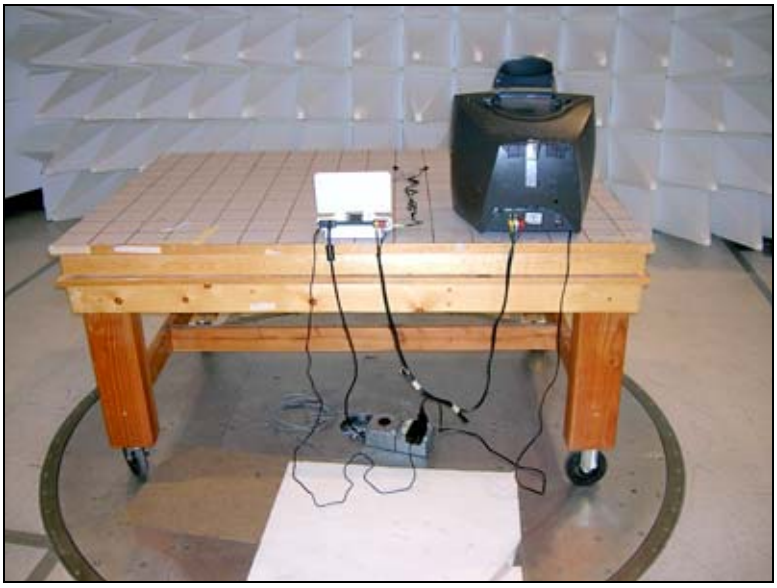
FCC 15.209/15.247(d) – RADIATED EMISSIONS

Test Setup Photos

32kHz-30MHz

30-1000MHz

30-1000MHz



30-1000MHz

Test Data Sheets

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.209**
Work Order #: **87162** Date: 10/18/2007
Test Type: **Radiated Scan** Time: 10:01:48 AM
Equipment: **Video Conferencing Device** Sequence#: 18
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Cable	None	04/05/2007	04/05/2009	P05300
Cable	None	04/02/2007	04/02/2009	P05296
Cable	None	04/02/2007	04/02/2009	P05299
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Mag Loop - 6502	2078	06/11/2007	06/11/2009	00432

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
TV	Phillips	14PT212A/78R	HC065065
Wireless Router	Linksys	WRT54GS	CGN91FA64901
Headset	Creative Labs, Inc.	n/a	n/a

Test Conditions / Notes:

EUT is at the back edge of the table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. LAN is connected to wireless router outside of the chamber via Ethernet. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. Transmitter is transmitting continuously on CH 6. 802.11g mode. For signals that failed the 15.209 limit, and are not in a restricted band, the 15.247(d) -20dBc limit was applied. Radiated emissions 32 kHz-30 MHz. BW=200Hz for 32kHz to 150kHz, BW=9kHz for 150kHz to 30MHz.

Transducer Legend:

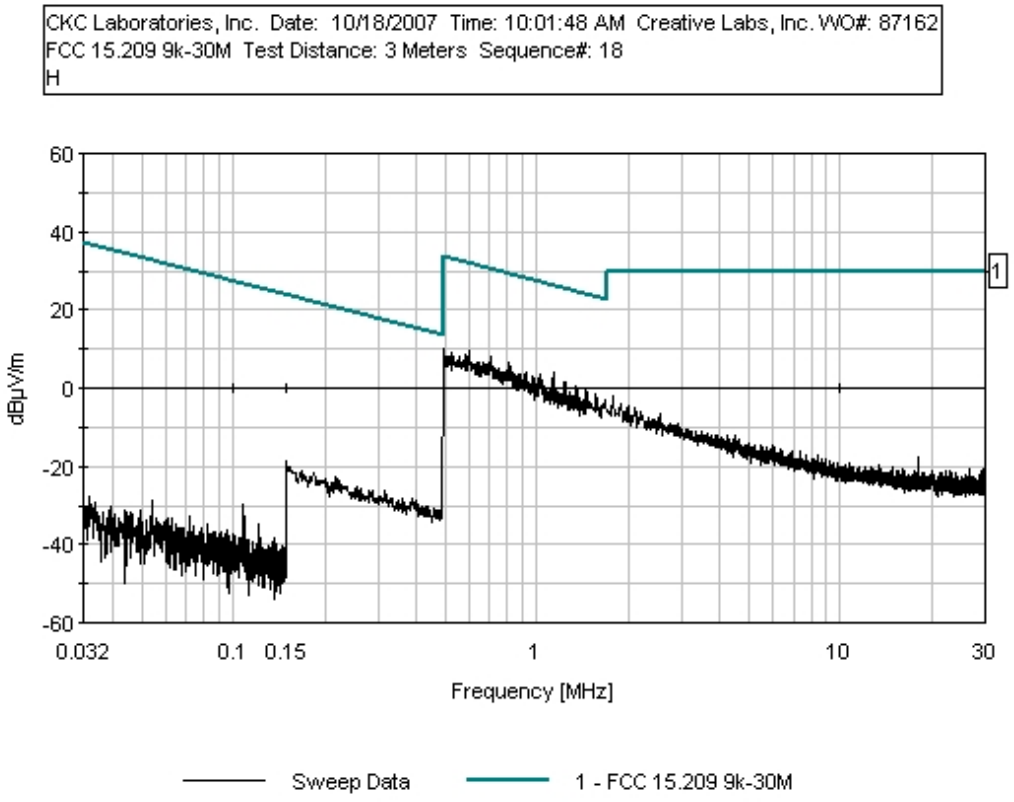
T1=Cable Calibration ANP05296	T2=Cable Calibration ANP05299
T3=Cable Calibration ANP05300	T4=Mag Loop - AN 00432- 9kHz-30M

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	596.828k	39.6	+0.1	+0.0	+0.0	+9.9	-40.0 -10	9.6	32.1	-22.5	Horiz 100
2	702.274k	37.7	+0.3	+0.1	+0.0	+10.0	-40.0 -10	8.1	30.7	-22.6	Horiz 100

3	1.133M	33.1	+0.2	+0.1	+0.0	+10.4	-40.0 -10	3.8	26.5	-22.7	Horiz 100
4	803.766k	36.2	+0.2	+0.1	+0.0	+10.1	-40.0 -10	6.6	29.5	-22.9	Horiz 100
5	1.023M	32.7	+0.2	+0.1	+0.0	+10.4	-40.0 -10	3.4	27.4	-24.0	Horiz 100
6	1.236M	31.0	+0.2	+0.1	+0.0	+10.4	-40.0 -10	1.7	25.7	-24.0	Horiz 100
7	921.075k	33.5	+0.2	+0.0	+0.1	+10.3	-40.0 -10	4.1	28.3	-24.2	Horiz 100
8	1.455M	29.3	+0.2	+0.0	+0.1	+10.4	-40.0 -10	0.0	24.3	-24.3	Horiz 100
9	1.347M	29.6	+0.2	+0.1	+0.0	+10.4	-40.0 -10	0.3	25.0	-24.7	Horiz 100
10	1.558M	28.0	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-1.3	23.7	-25.0	Horiz 100
11	1.468M	28.2	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-1.1	24.2	-25.3	Horiz 100
12	1.119M	30.0	+0.2	+0.1	+0.0	+10.4	-40.0 -10	0.7	26.6	-25.9	Horiz 100
13	1.074M	29.2	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-0.1	26.9	-27.0	Horiz 100
14	1.382M	26.9	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-2.4	24.7	-27.1	Horiz 100
15	1.783M	27.5	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-1.8	29.5	-31.3	Horiz 100
16	2.108M	24.2	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-5.1	29.5	-34.6	Horiz 100
17	2.207M	23.0	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-6.3	29.5	-35.8	Horiz 100
18	2.531M	22.5	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-6.8	29.5	-36.3	Horiz 100
19	4.468M	17.4	+0.2	+0.1	+0.0	+10.2	-40.0 -10	-12.1	29.5	-41.6	Horiz 100
20	4.252M	17.2	+0.2	+0.1	+0.0	+10.2	-40.0 -10	-12.3	29.5	-41.8	Horiz 100
21	150.000k	51.5	+0.2	+0.0	+0.1	+9.7	-80.0 -10	-18.5	24.1	-42.6	Horiz 100
22	215.904k	47.4	+0.2	+0.0	+0.1	+9.8	-80.0 -10	-22.5	20.9	-43.4	Horiz 100
23	6.018M	15.1	+0.3	+0.1	+0.0	+10.1	-40.0 -10	-14.4	29.5	-43.9	Horiz 100
24	5.234M	14.9	+0.3	+0.1	+0.0	+10.1	-40.0 -10	-14.6	29.5	-44.1	Horiz 100
25	5.423M	14.7	+0.3	+0.1	+0.0	+10.1	-40.0 -10	-14.8	29.5	-44.3	Horiz 100
26	5.513M	14.4	+0.3	+0.1	+0.0	+10.1	-40.0 -10	-15.1	29.5	-44.6	Horiz 100
27	6.081M	14.4	+0.3	+0.1	+0.0	+10.0	-40.0 -10	-15.2	29.5	-44.7	Horiz 100

28	5.693M	14.2	+0.3	+0.1	+0.0	+10.1	-40.0 -10	-15.3	29.5	-44.8	Horiz 100
29	6.360M	14.1	+0.3	+0.1	+0.0	+10.0	-40.0 -10	-15.5	29.5	-45.0	Horiz 100
30	29.928M	17.3	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-15.5	29.5	-45.0	Horiz 100
31	29.959M	16.6	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-16.2	29.5	-45.7	Horiz 100
32	29.946M	16.5	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-16.3	29.5	-45.8	Horiz 100
33	29.941M	16.2	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-16.6	29.5	-46.1	Horiz 100
34	8.486M	12.5	+0.3	+0.0	+0.1	+9.9	-40.0 -10	-17.2	29.5	-46.7	Horiz 100
35	18.000M	12.6	+0.4	+0.1	+0.2	+9.1	-40.0 -10	-17.6	29.5	-47.1	Horiz 100
36	8.891M	11.6	+0.3	+0.0	+0.1	+9.9	-40.0 -10	-18.1	29.5	-47.6	Horiz 100
37	8.621M	11.5	+0.3	+0.0	+0.1	+9.9	-40.0 -10	-18.2	29.5	-47.7	Horiz 100
38	29.914M	14.6	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-18.2	29.5	-47.7	Horiz 100
39	8.216M	11.3	+0.3	+0.1	+0.1	+9.9	-40.0 -10	-18.3	29.5	-47.8	Horiz 100
40	9.180M	11.0	+0.3	+0.0	+0.1	+9.8	-40.0 -10	-18.8	29.5	-48.3	Horiz 100
41	29.932M	13.8	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-19.0	29.5	-48.5	Horiz 100
42	29.962M	13.8	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-19.0	29.5	-48.5	Horiz 100
43	29.973M	13.8	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-19.0	29.5	-48.5	Horiz 100
44	10.666M	10.4	+0.3	+0.1	+0.0	+9.8	-40.0 -10	-19.4	29.5	-48.9	Horiz 100
45	13.432M	10.0	+0.3	+0.0	+0.1	+9.7	-40.0 -10	-19.9	29.5	-49.4	Horiz 100
46	12.621M	9.8	+0.3	+0.0	+0.1	+9.7	-40.0 -10	-20.1	29.5	-49.6	Horiz 100
47	14.937M	9.5	+0.3	+0.0	+0.1	+9.7	-40.0 -10	-20.4	29.5	-49.9	Horiz 100
48	29.816M	12.2	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-20.6	29.5	-50.1	Horiz 100
49	29.810M	12.1	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-20.7	29.5	-50.2	Horiz 100
50	29.847M	12.1	+0.5	+0.0	+0.1	+6.6	-40.0 -10	-20.7	29.5	-50.2	Horiz 100


CKC Laboratories, Inc. Date: 10/18/2007 Time: 10:01:48 AM Creative Labs, Inc. WO#: 87162
FCC 15.209 9k-30M Test Distance: 3 Meters Sequence#: 18
H
60
40
20
0
-20
-40
-60
dBµV/m
0.032
0.1
0.15
1
10
30
Frequency [MHz]
1
Sweep Data
1 - FCC 15.209 9k-30M

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.209**
Work Order #: **87162** Date: 10/18/2007
Test Type: **Radiated Scan** Time: 10:08:11 AM
Equipment: **Video Conferencing Device** Sequence#: 19
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Cable	None	04/05/2007	04/05/2009	P05300
Cable	None	04/02/2007	04/02/2009	P05296
Cable	None	04/02/2007	04/02/2009	P05299
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Mag Loop - 6502	2078	06/11/2007	06/11/2009	00432

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
TV	Phillips	14PT212A/78R	HC065065
Wireless Router	Linksys	WRT54GS	CGN91FA64901
Headset	Creative Labs, Inc.	n/a	n/a

Test Conditions / Notes:

EUT is at the back edge of the table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. LAN is connected to wireless router outside of the chamber via Ethernet. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. Transmitter is transmitting continuously on CH 6. 802.11g mode. For signals that failed the 15.209 limit, and are not in a restricted band, the 15.247(d) -20dBc limit was applied. Radiated emissions 32 kHz-30 MHz. BW=200Hz for 32kHz to 150kHz, BW=9kHz for 150kHz to 30MHz.

Transducer Legend:

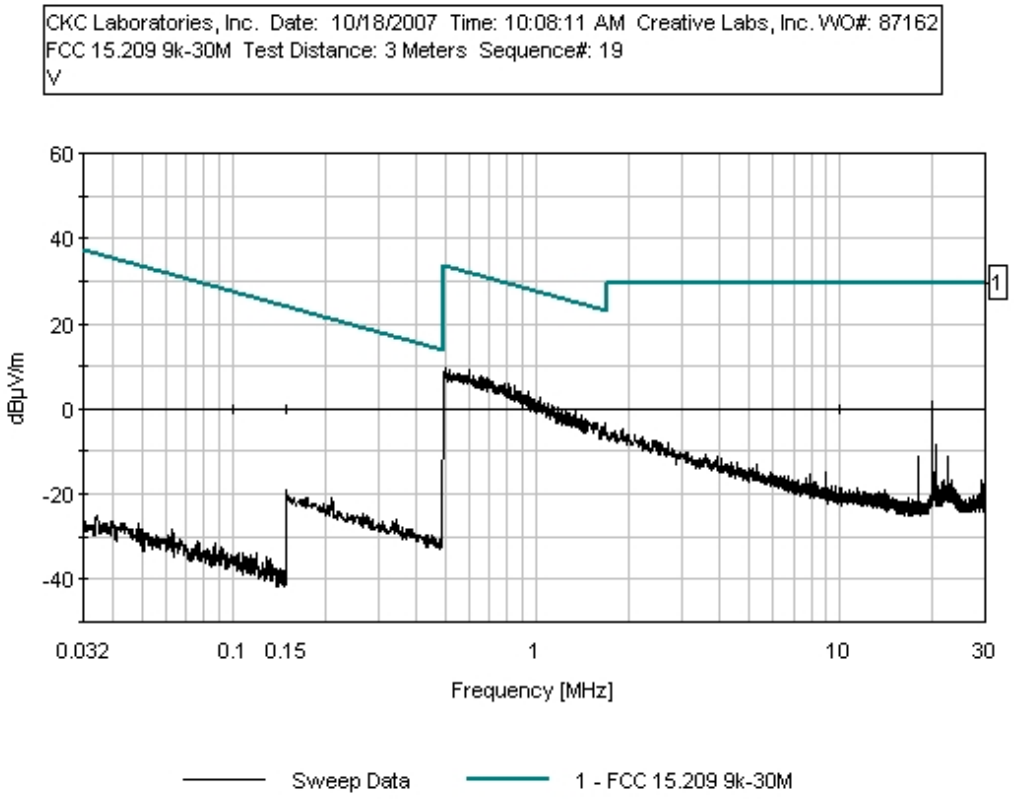
T1=Cable Calibration ANP05296	T2=Cable Calibration ANP05299
T3=Cable Calibration ANP05300	T4=Mag Loop - AN 00432- 9kHz-30M

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	599.464k	39.0	+0.1	+0.0	+0.0	+9.9	-40.0 -10	9.0	32.0	-23.0	Vert 102
2	687.775k	36.9	+0.3	+0.1	+0.0	+10.0	-40.0 -10	7.3	30.8	-23.5	Vert 102
3	658.777k	37.3	+0.2	+0.1	+0.0	+10.0	-40.0 -10	7.6	31.2	-23.6	Vert 102
4	803.766k	35.5	+0.2	+0.1	+0.0	+10.1	-40.0 -10	5.9	29.5	-23.6	Vert 102

5	662.732k	37.2	+0.2	+0.1	+0.0	+10.0	-40.0 -10	7.5	31.2	-23.7	Vert 102
6	839.354k	34.9	+0.2	+0.1	+0.0	+10.2	-40.0 -10	5.4	29.1	-23.7	Vert 102
7	613.963k	38.0	+0.1	+0.0	+0.0	+9.9	-40.0 -10	8.0	31.8	-23.8	Vert 102
8	783.995k	35.3	+0.2	+0.1	+0.0	+10.1	-40.0 -10	5.7	29.7	-24.0	Vert 102
9	517.743k	39.4	+0.1	+0.0	+0.0	+9.7	-40.0 -10	9.2	33.3	-24.1	Vert 102
10	620.553k	37.6	+0.1	+0.0	+0.0	+9.9	-40.0 -10	7.6	31.7	-24.1	Vert 102
11	653.505k	36.9	+0.2	+0.1	+0.0	+10.0	-40.0 -10	7.2	31.3	-24.1	Vert 102
12	691.729k	36.3	+0.3	+0.1	+0.0	+10.0	-40.0 -10	6.7	30.8	-24.1	Vert 102
13	496.654k	39.8	+0.1	+0.0	+0.0	+9.6	-40.0 -10	9.5	33.7	-24.2	Vert 102
14	716.773k	35.9	+0.3	+0.1	+0.0	+10.0	-40.0 -10	6.3	30.5	-24.2	Vert 102
15	770.814k	35.2	+0.2	+0.1	+0.0	+10.1	-40.0 -10	5.6	29.8	-24.2	Vert 102
16	931.619k	33.4	+0.2	+0.0	+0.1	+10.3	-40.0 -10	4.0	28.2	-24.2	Vert 102
17	648.233k	36.8	+0.2	+0.1	+0.0	+10.0	-40.0 -10	7.1	31.4	-24.3	Vert 102
18	812.992k	34.7	+0.2	+0.1	+0.0	+10.1	-40.0 -10	5.1	29.4	-24.3	Vert 102
19	499.290k	39.5	+0.1	+0.0	+0.0	+9.6	-40.0 -10	9.2	33.6	-24.4	Vert 102
20	642.960k	36.9	+0.2	+0.0	+0.0	+9.9	-40.0 -10	7.0	31.4	-24.4	Vert 102
21	685.139k	36.1	+0.3	+0.1	+0.0	+10.0	-40.0 -10	6.5	30.9	-24.4	Vert 102
22	884.168k	33.6	+0.2	+0.0	+0.1	+10.3	-40.0 -10	4.2	28.6	-24.4	Vert 102
23	777.404k	34.8	+0.2	+0.1	+0.0	+10.1	-40.0 -10	5.2	29.8	-24.6	Vert 102
24	819.583k	34.2	+0.2	+0.1	+0.0	+10.1	-40.0 -10	4.6	29.3	-24.7	Vert 102
25	1.025M	31.9	+0.2	+0.1	+0.0	+10.4	-40.0 -10	2.6	27.3	-24.7	Vert 102
26	905.258k	32.7	+0.2	+0.0	+0.1	+10.3	-40.0 -10	3.3	28.4	-25.1	Vert 102
27	979.070k	31.7	+0.2	+0.1	+0.0	+10.4	-40.0 -10	2.4	27.7	-25.3	Vert 102
28	1.338M	29.0	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-0.3	25.0	-25.3	Vert 102
29	965.889k	31.7	+0.2	+0.1	+0.0	+10.4	-40.0 -10	2.4	27.9	-25.5	Vert 102

30	1.091M	30.5	+0.2	+0.1	+0.0	+10.4	-40.0 -10	1.2	26.8	-25.6	Vert 102
31	1.053M	30.7	+0.2	+0.1	+0.0	+10.4	-40.0 -10	1.4	27.1	-25.7	Vert 102
32	1.123M	30.0	+0.2	+0.1	+0.0	+10.4	-40.0 -10	0.7	26.6	-25.9	Vert 102
33	1.177M	29.5	+0.2	+0.1	+0.0	+10.4	-40.0 -10	0.2	26.1	-25.9	Vert 102
34	1.203M	29.2	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-0.1	25.9	-26.0	Vert 102
35	1.239M	28.8	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-0.5	25.7	-26.2	Vert 102
36	1.666M	26.1	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-3.2	23.1	-26.3	Vert 102
37	1.396M	27.6	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-1.7	24.7	-26.4	Vert 102
38	1.290M	28.1	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-1.2	25.3	-26.5	Vert 102
39	1.345M	27.8	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-1.5	25.0	-26.5	Vert 102
40	1.073M	29.7	+0.2	+0.1	+0.0	+10.4	-40.0 -10	0.4	27.0	-26.6	Vert 102
41	1.454M	27.0	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-2.3	24.3	-26.6	Vert 102
42	1.257M	28.1	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-1.2	25.6	-26.8	Vert 102
43	1.316M	27.7	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-1.6	25.2	-26.8	Vert 102
44	1.576M	26.1	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-3.2	23.6	-26.8	Vert 102
45	1.326M	27.5	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-1.8	25.1	-26.9	Vert 102
46	1.464M	26.6	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-2.7	24.2	-26.9	Vert 102
47	1.367M	27.1	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-2.2	24.8	-27.0	Vert 102
48	1.218M	28.0	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-1.3	25.8	-27.1	Vert 102
49	1.432M	26.6	+0.2	+0.0	+0.1	+10.4	-40.0 -10	-2.7	24.4	-27.1	Vert 102
50	1.150M	28.4	+0.2	+0.1	+0.0	+10.4	-40.0 -10	-0.9	26.3	-27.2	Vert 102


CKC Laboratories, Inc. Date: 10/18/2007 Time: 10:08:11 AM Creative Labs, Inc. WO#: 87162
FCC 15.209 9k-30M Test Distance: 3 Meters Sequence#: 19
V
60
40
20
0
-20
-40
dBµV/m
0.032
0.1
0.15
1
10
30
Frequency [MHz]
1
Sweep Data
1 - FCC 15.209 9k-30M

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247(d)/15.209 30-1000Mhz VF0340 only**
Work Order #: **87162** Date: 10/24/2007
Test Type: **Maximized Emissions** Time: 18:55:19
Equipment: **Video Conferencing Device** Sequence#: 36
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
HP8447F opt H64 preamp	2944A03850	01/02/2007	01/02/2009	00501
Cable	None	04/05/2007	04/05/2009	P05300
Cable	None	04/02/2007	04/02/2009	P05296
Cable	None	04/02/2007	04/02/2009	P05299
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Bilog	2630	12/30/2006	12/30/2008	00852

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
TV	Phillips	14PT212A/78R	HC065065
Wireless Router	Linksys	WRT54GS	CGN91FA64901
Headset	Creative Labs, Inc.	n/a	n/a

Test Conditions / Notes:

EUT is at the back edge of the table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. LAN is connected to wireless router outside of the chamber via Ethernet. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. Transmitter is transmitting continuously on CH 6. 802.11b mode. Radiated emissions 30-1000 MHz. RBW=120kHz.

Transducer Legend:

T1=ANT AN00852 25-1000MHz	T2=AMP-ANP00501-010207 Top Portion
T3=Cable Calibration ANP05296	T4=Cable Calibration ANP05299
T5=Cable Calibration ANP05300	

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

#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5								
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	332.991M	55.5	+14.5	-26.5	+1.2	+0.1	+0.0	45.2	46.0	-0.8	Vert
	QP		+0.4				9				132
^	332.994M	59.1	+14.5	-26.5	+1.2	+0.1	+0.0	48.8	46.0	+2.8	Vert
			+0.4				9				132
3	323.988M	55.7	+14.2	-26.4	+1.1	+0.1	+0.0	45.1	46.0	-0.9	Vert
	QP		+0.4				-10				164
^	323.993M	59.5	+14.2	-26.4	+1.1	+0.1	+0.0	48.9	46.0	+2.9	Vert
			+0.4				-10				164

5	278.991M QP	56.3	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 313	45.1	46.0	-0.9	Horiz 123
^	278.985M	60.2	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 313	49.0	46.0	+3.0	Horiz 123
7	269.993M QP	56.1	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 316	44.7	46.0	-1.3	Horiz 101
^	269.985M	59.7	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 316	48.3	46.0	+2.3	Horiz 101
9	260.994M QP	55.9	+13.1 +0.4	-26.1	+1.1	+0.1	+0.0 100	44.5	46.0	-1.5	Horiz 100
^	260.990M	60.4	+13.1 +0.4	-26.1	+1.1	+0.1	+0.0 100	49.0	46.0	+3.0	Horiz 100
11	323.988M QP	54.9	+14.2 +0.4	-26.4	+1.1	+0.1	+0.0 256	44.3	46.0	-1.7	Horiz 100
^	323.988M	59.4	+14.2 +0.4	-26.4	+1.1	+0.1	+0.0 256	48.8	46.0	+2.8	Horiz 100
13	278.991M QP	55.4	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 310	44.2	46.0	-1.8	Vert 164
^	278.994M	59.4	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 310	48.2	46.0	+2.2	Vert 164
15	260.991M QP	55.4	+13.1 +0.4	-26.1	+1.1	+0.1	+0.0 296	44.0	46.0	-2.0	Vert 170
^	260.994M	59.3	+13.1 +0.4	-26.1	+1.1	+0.1	+0.0 296	47.9	46.0	+1.9	Vert 170
17	332.992M QP	53.6	+14.5 +0.4	-26.5	+1.2	+0.1	+0.0 254	43.3	46.0	-2.7	Horiz 103
^	332.994M	58.0	+14.5 +0.4	-26.5	+1.2	+0.1	+0.0 254	47.7	46.0	+1.7	Horiz 103
19	269.992M QP	54.7	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 300	43.3	46.0	-2.7	Vert 190
^	269.992M	58.7	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 300	47.3	46.0	+1.3	Vert 190
21	251.993M QP	53.3	+13.0 +0.4	-26.2	+1.1	+0.1	+0.0 277	41.7	46.0	-4.3	Vert 159
^	251.998M	58.4	+13.0 +0.4	-26.2	+1.1	+0.1	+0.0 277	46.8	46.0	+0.8	Vert 159
23	242.993M QP	52.9	+12.5 +0.4	-26.2	+1.0	+0.1	+0.0 280	40.7	46.0	-5.3	Horiz 134
^	242.996M	57.0	+12.5 +0.4	-26.2	+1.0	+0.1	+0.0 280	44.8	46.0	-1.2	Horiz 134
25	242.991M QP	52.9	+12.5 +0.4	-26.2	+1.0	+0.1	+0.0 263	40.7	46.0	-5.3	Vert 190
^	242.992M	56.8	+12.5 +0.4	-26.2	+1.0	+0.1	+0.0 263	44.6	46.0	-1.4	Vert 190

27	404.985M QP	49.6	+16.4 +0.5	-27.2	+1.3	+0.1	+0.0 20	40.7	46.0	-5.3	Vert 134
^	404.971M	56.2	+16.4 +0.5	-27.2	+1.3	+0.1	+0.0 20	47.3	46.0	+1.3	Vert 134
29	251.991M QP	51.6	+13.0 +0.4	-26.2	+1.1	+0.1	+0.0 294	40.0	46.0	-6.0	Horiz 103
^	251.994M	55.7	+13.0 +0.4	-26.2	+1.1	+0.1	+0.0 294	44.1	46.0	-1.9	Horiz 103

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247(d)/15.209 30-1000Mhz VF0340 only**
Work Order #: **87162** Date: 10/15/2007
Test Type: **Maximized Emissions** Time: 18:30:38
Equipment: **Video Conferencing Device** Sequence#: 17
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
HP8447F opt H64 preamp	2944A03850	01/02/2007	01/02/2009	00501
Cable	None	04/05/2007	04/05/2009	P05300
Cable	None	04/02/2007	04/02/2009	P05296
Cable	None	04/02/2007	04/02/2009	P05299
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Bilog	2630	12/30/2006	12/30/2008	00852

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
TV	Phillips	14PT212A/78R	HC065065
Wireless Router	Linksys	WRT54GS	CGN91FA64901
Headset	Creative Labs, Inc.	n/a	n/a

Test Conditions / Notes:

EUT is at the back edge of the table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. LAN is connected to wireless router outside of the chamber via Ethernet. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. Transmitter is transmitting continuously on CH 6. 802.11g mode. For signals that failed the 15.209 limit, and are not in a restricted band, the 15.247(d) -20dBc limit was applied. Radiated emissions 30-1000 MHz. RBW=120kHz.

Transducer Legend:

T1=ANT AN00852 25-1000MHz	T2=AMP-ANP00501-010207 Top Portion
T3=Cable Calibration ANP05296	T4=Cable Calibration ANP05299
T5=Cable Calibration ANP05300	

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

#	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	332.993M	56.0	+14.5	-26.5	+1.2	+0.1	+0.0	45.7	46.0	-0.3	Vert
	QP		+0.4				3				141
^	332.993M	59.3	+14.5	-26.5	+1.2	+0.1	+0.0	49.0	46.0	+3.0	Vert
			+0.4				3				141

3	323.987M QP	55.8	+14.2 +0.4	-26.4	+1.1	+0.1	+0.0	45.2	46.0	-0.8	Vert 150
^	323.988M	59.1	+14.2 +0.4	-26.4	+1.1	+0.1	+0.0	48.5	46.0	+2.5	Vert 150
5	278.989M QP	56.2	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 288	45.0	46.0	-1.0	Vert 159
^	278.987M	59.5	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 288	48.3	46.0	+2.3	Vert 159
7	260.989M QP	55.3	+13.1 +0.4	-26.1	+1.1	+0.1	+0.0 375	43.9	46.0	-2.1	Vert 175
^	260.987M	58.8	+13.1 +0.4	-26.1	+1.1	+0.1	+0.0 375	47.4	46.0	+1.4	Vert 175
9	269.990M QP	54.3	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 249	42.9	46.0	-3.1	Vert 169
^	269.987M	57.9	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 249	46.5	46.0	+0.5	Vert 169
11	278.991M QP	53.9	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 263	42.7	46.0	-3.3	Horiz 110
^	278.997M	57.6	+13.3 +0.4	-26.1	+1.1	+0.1	+0.0 263	46.4	46.0	+0.4	Horiz 110
13	269.996M QP	52.9	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 348	41.5	46.0	-4.5	Horiz 99
^	269.985M	56.4	+13.2 +0.4	-26.2	+1.1	+0.1	+0.0 348	45.0	46.0	-1.0	Horiz 99
15	242.989M QP	52.6	+12.5 +0.4	-26.2	+1.0	+0.1	+0.0 -10	40.4	46.0	-5.6	Vert 206
^	242.994M	56.2	+12.5 +0.4	-26.2	+1.0	+0.1	+0.0 -10	44.0	46.0	-2.0	Vert 206
17	314.991M QP	57.0	+14.0 +0.4	-26.4	+1.1	+0.1	+0.0 -10	46.2	101.5	-55.3	Vert 145
^	314.984M	60.3	+14.0 +0.4	-26.4	+1.1	+0.1	+0.0 -10	49.5	101.5	-52.0	Vert 145
19	305.993M QP	56.6	+13.7 +0.5	-26.3	+1.1	+0.1	+0.0 341	45.7	101.5	-55.8	Vert 156
^	305.992M	59.8	+13.7 +0.5	-26.3	+1.1	+0.1	+0.0 341	48.9	101.5	-52.6	Vert 156
21	350.994M QP	54.7	+15.0 +0.5	-26.6	+1.3	+0.2	+0.0 15	45.1	101.5	-56.4	Vert 129
^	350.982M	58.3	+15.0 +0.5	-26.6	+1.3	+0.2	+0.0 15	48.7	101.5	-52.8	Vert 129
23	341.990M QP	54.8	+14.8 +0.5	-26.5	+1.2	+0.2	+0.0 373	45.0	101.5	-56.5	Vert 124
^	341.982M	58.7	+14.8 +0.5	-26.5	+1.2	+0.2	+0.0 373	48.9	101.5	-52.6	Vert 124
25	287.986M QP	55.8	+13.4 +0.5	-26.1	+1.1	+0.1	+0.0 270	44.8	101.5	-56.7	Vert 177
^	287.982M	59.1	+13.4 +0.5	-26.1	+1.1	+0.1	+0.0 270	48.1	101.5	-53.4	Vert 177

27	287.993M QP	55.0	+13.4 +0.5	-26.1	+1.1	+0.1	+0.0 280	44.0	101.5	-57.5	Horiz 102
^	287.983M	58.6	+13.4 +0.5	-26.1	+1.1	+0.1	+0.0 280	47.6	101.5	-53.9	Horiz 102
29	296.991M QP	54.8	+13.5 +0.5	-26.2	+1.1	+0.1	+0.0 338	43.8	101.5	-57.7	Vert 154
^	296.987M	58.1	+13.5 +0.5	-26.2	+1.1	+0.1	+0.0 338	47.1	101.5	-54.4	Vert 154
31	296.991M QP	53.2	+13.5 +0.5	-26.2	+1.1	+0.1	+0.0 303	42.2	101.5	-59.3	Horiz 100
^	296.988M	56.9	+13.5 +0.5	-26.2	+1.1	+0.1	+0.0 303	45.9	101.5	-55.6	Horiz 102
33	314.993M QP	52.6	+14.0 +0.4	-26.4	+1.1	+0.1	+0.0 280	41.8	101.5	-59.7	Horiz 100
^	314.991M	55.8	+14.0 +0.4	-26.4	+1.1	+0.1	+0.0 280	45.0	101.5	-56.5	Horiz 100
35	233.994M QP	52.8	+11.8 +0.4	-26.1	+1.0	+0.1	+0.0 29	40.0	101.5	-61.5	Horiz 120
^	234.004M	56.0	+11.8 +0.4	-26.1	+1.0	+0.1	+0.0 29	43.2	101.5	-58.3	Horiz 120
37	51.949M QP	48.9	+8.5 +0.2	-26.9	+0.5	+0.0	+0.0 274	31.2	101.5	-70.3	Vert 100
^	52.043M	57.4	+8.4 +0.2	-26.9	+0.5	+0.0	+0.0 274	39.6	101.5	-61.9	Vert 100

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.209**
Work Order #: **87162** Date: 10/24/2007
Test Type: **Maximized Emissions** Time: 12:19:51
Equipment: **Video Conferencing Device** Sequence#: 29
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Preamp, HP83017A	3123A00283	05/16/2007	05/16/2009	00785
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241
HF-Cable FSJ1P-50A-4A		02/20/2006	02/20/2008	P05138
HF Cable		03/27/2007	03/27/2009	01952
Active Horn 18-26GHz	1087835	09/21/2007	09/21/2009	02694
Cable, HF 36"	n/a	05/16/2007	05/16/2009	P05200

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
TV	Phillips	14PT212A/78R	HC065065
Wireless Router	Linksys	WRT54GS	CGN91FA64901
Headset	Creative Labs, Inc.	n/a	n/a

Test Conditions / Notes:

EUT is at the back edge of the table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. Installed shielded Ethernet Cable with Ferrite on both ends. Transmitter is transmitting continuously on CH1, 6, or 11. 802.11b mode. Radiated emissions 1-26 GHz. RBW=1 MHz.

Transducer Legend:

T1=AMP-AN00785-051607	T2=ANT AN02061 900MHz-18.5GHz
T3=ANP04241 HF-Heliax Cable	T4=P05138 HF Cable 25ft
T5=Cable P01952 2'	

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

#	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	4873.880M	46.9	-35.0 +0.6	+33.3	+0.6	+3.4	+0.0 4	49.8	54.0 CH 6	-4.2	Horiz 109
2	7236.000M	40.5	-34.9 +0.6	+37.8	+1.1	+4.6	+0.0 51	49.7	54.0 CH 1	-4.3	Vert 113
3	4923.720M	46.7	-35.0 +0.7	+33.4	+0.5	+3.4	+0.0	49.7	54.0 CH 11	-4.3	Horiz 110

4	7386.310M	39.2	-35.1	+38.0	+0.9	+4.6	+0.0	48.3	54.0	-5.7	Vert
			+0.7				369		CH11 NF		109
5	7385.720M	38.9	-35.1	+38.0	+0.9	+4.6	+0.0	48.0	54.0	-6.0	Horiz
			+0.7				-8		CH11 NF		109
6	7309.700M	38.7	-35.0	+37.9	+1.0	+4.6	+0.0	47.8	54.0	-6.2	Vert
			+0.6				66		CH 6		109
7	7235.860M	38.4	-34.9	+37.8	+1.1	+4.6	+0.0	47.6	54.0	-6.4	Horiz
			+0.6						CH 1 NF		113
8	7313.810M	38.6	-35.1	+37.9	+1.0	+4.6	+0.0	47.6	54.0	-6.4	Horiz
			+0.6				109		CH 6 NF		109
9	4825.538M	43.1	-34.9	+33.2	+0.7	+3.4	+0.0	46.0	54.0	-8.0	Vert
	Ave		+0.5				57		CH 1		113
^	4825.540M	50.4	-34.9	+33.2	+0.7	+3.4	+0.0	53.3	54.0	-0.7	Vert
			+0.5				57		CH 1		113
11	4873.171M	42.6	-35.0	+33.3	+0.6	+3.4	+0.0	45.5	54.0	-8.5	Vert
	Ave		+0.6				57		CH 6		109
12	4925.566M	41.8	-35.0	+33.4	+0.5	+3.4	+0.0	44.8	54.0	-9.2	Vert
	Ave		+0.7				49		CH 11		109
13	4825.535M	39.3	-34.9	+33.2	+0.7	+3.4	+0.0	42.2	54.0	-11.8	Horiz
	Ave		+0.5				-6		CH 1		114
^	4825.530M	48.0	-34.9	+33.2	+0.7	+3.4	+0.0	50.9	54.0	-3.1	Horiz
			+0.5				-6		CH 1		114

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.209**
Work Order #: **87162** Date: 10/11/2007
Test Type: **Maximized Emissions** Time: 12:01:48
Equipment: **Video Conferencing Device** Sequence#: 11
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Preamp, HP83017A	3123A00283	05/16/2007	05/16/2009	00785
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241
HF-Cable FSJ1P-50A-4A		02/20/2006	02/20/2008	P05138
HF Cable		03/27/2007	03/27/2009	01952
Active Horn 18-26GHz	1087835	09/21/2007	09/21/2009	02694
Cable, HF 36"	n/a	05/16/2007	05/16/2009	P05200

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N
Headset	Creative Labs, Inc.	n/a	n/a
Wireless Router	Linksys	WRT54GS	CGN91FA64901
TV	Phillips	14PT212A/78R	HC065065

Test Conditions / Notes:

EUT is at the back edge of the table. Ethernet cable is routed outside the chamber. Audio and video cables are connected to a TV. Headset is connected. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. Installed shielded Ethernet Cable with Ferrite on both ends. Transmitter is transmitting continuously on CH1, 6, or 11. 802.11g mode. Radiated emissions 1-26 GHz. RBW=1 MHz.

Transducer Legend:

T1=AMP-AN00785-051607	T2=ANT AN02061 900MHz-18.5GHz
T3=ANP04241 HF-Heliax Cable	T4=P05138 HF Cable 25ft
T5=Cable P01952 2'	

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

#	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	4925.546M	45.5	-35.0	+33.4	+0.5	+3.4	+0.0	48.5	54.0	-5.5	Vert
	Ave		+0.7				69		TX on CH11		100
^	4925.510M	48.9	-35.0	+33.4	+0.5	+3.4	+0.0	51.9	54.0	-2.1	Vert
			+0.7				69		TX on CH11		100

3	4875.260M Ave	44.2	-35.0 +0.6	+33.3	+0.6	+3.4	+0.0 66	47.1	54.0 TX on CH6	-6.9	Vert 101
^	4875.280M	47.2	-35.0 +0.6	+33.3	+0.6	+3.4	+0.0 66	50.1	54.0 TX on CH6	-3.9	Vert 101
5	4825.660M Ave	43.7	-34.9 +0.5	+33.2	+0.7	+3.4	+0.0 70	46.6	54.0 TX on CH1	-7.4	Vert 101
^	4825.660M	47.4	-34.9 +0.5	+33.2	+0.7	+3.4	+0.0 70	50.3	54.0 TX on CH1	-3.7	Vert 101
7	12178.890 M	32.8	-34.5 +0.7	+39.7	+1.8	+5.9	+0.0 107	46.4	54.0 TX on CH6	-7.6	Vert 100
8	12080.460 M	32.0	-34.5 +0.6	+39.7	+2.0	+5.9	+0.0 107	45.7	54.0 TX on CH1	-8.3	Vert 100
9	12308.010 M	31.4	-34.5 +0.8	+39.6	+1.9	+6.0	+0.0 370	45.2	54.0 TX on CH11	-8.8	Vert 100
10	4925.350M	42.2	-35.0 +0.7	+33.4	+0.5	+3.4	+0.0 17	45.2	54.0 TX on CH11	-8.8	Horiz 100
11	7311.000M	35.7	-35.0 +0.6	+37.9	+1.0	+4.6	+0.0 66	44.8	54.0 TX on CH6	-9.2	Vert 100
12	4873.650M	41.8	-35.0 +0.6	+33.3	+0.6	+3.4	+0.0 10	44.7	54.0 TX on CH6	-9.3	Horiz 100
13	7308.610M	34.9	-35.0 +0.6	+37.9	+1.0	+4.6	+0.0 63	44.0	54.0 TX on CH1	-10.0	Vert 100
14	4825.300M	41.1	-34.9 +0.5	+33.2	+0.7	+3.4	+0.0 369	44.0	54.0 TX on CH1	-10.0	Horiz 101
15	7387.840M	34.8	-35.1 +0.7	+38.0	+0.9	+4.6	+0.0 67	43.9	54.0 TX on CH11	-10.1	Vert 100

FCC 15.247(a)(2) 6 dB BANDWIDTH

Test Equipment

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	HOL-HF-025-06	02/20/2006	02/20/2008	P05138
HF Cable	HF-HC-02	03/27/2007	03/27/2009	01952
Cable, 6'	26	06/07/2006	06/07/2008	P04241

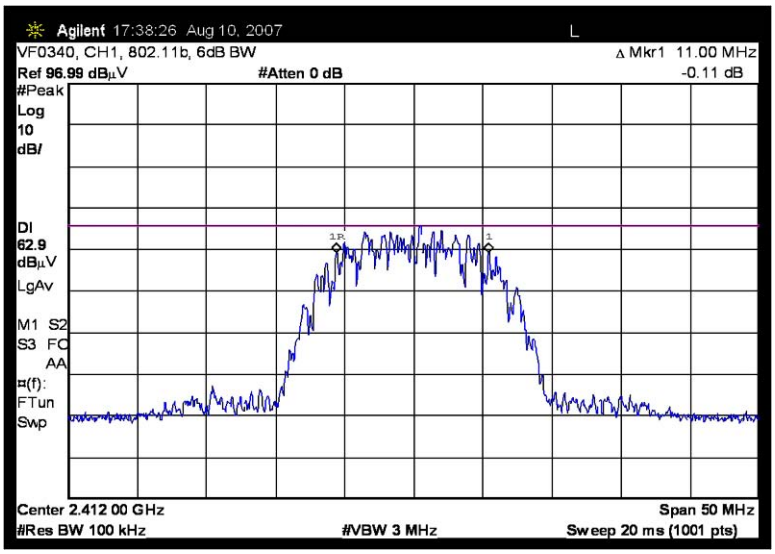
Test Conditions: EUT is at the back edge of the table. WIFI is active. Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is transmitting continuously on CH1=2412 MHz, CH6=2437 MHz, or CH11=2462 MHz. RBW=100 kHz. Preamp not used. Battery removed. Powered totally from AC adapter. 802.11b or 802.11g.

Test Setup Photos

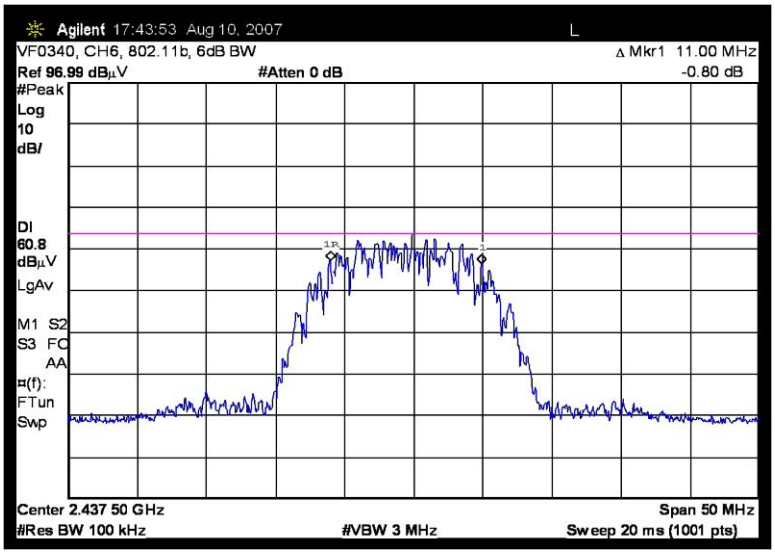
CH	Frequency (MHz)	Mode	6dB BW
1	2412	802.11g	16.60
6	2437	802.11g	16.60
11	2462	802.11g	16.60
1	2412	802.11b	11.00
6	2437	802.11b	11.00
11	2462	802.11b	11.00

Test Plots

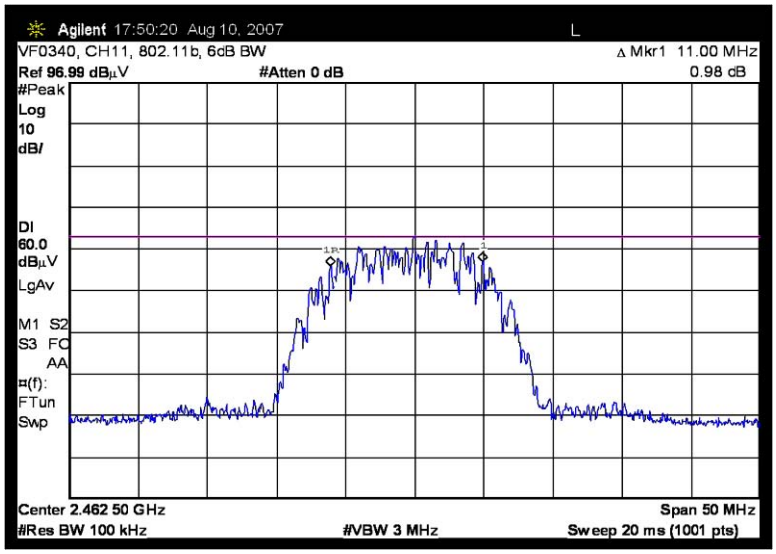
FCC 15.247(a)(2) 6 dB BANDWIDTH - 802.11b CHANNEL 1



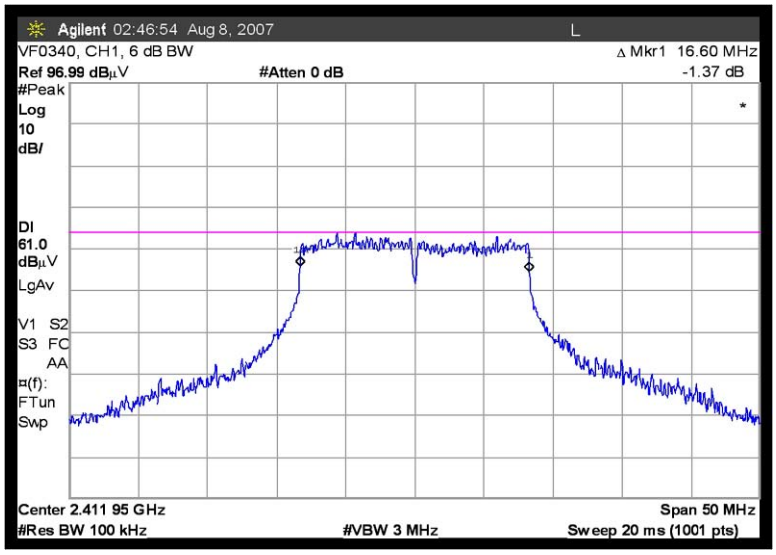
FCC 15.247(a)(2) 6 dB BANDWIDTH - 802.11b CHANNEL 6



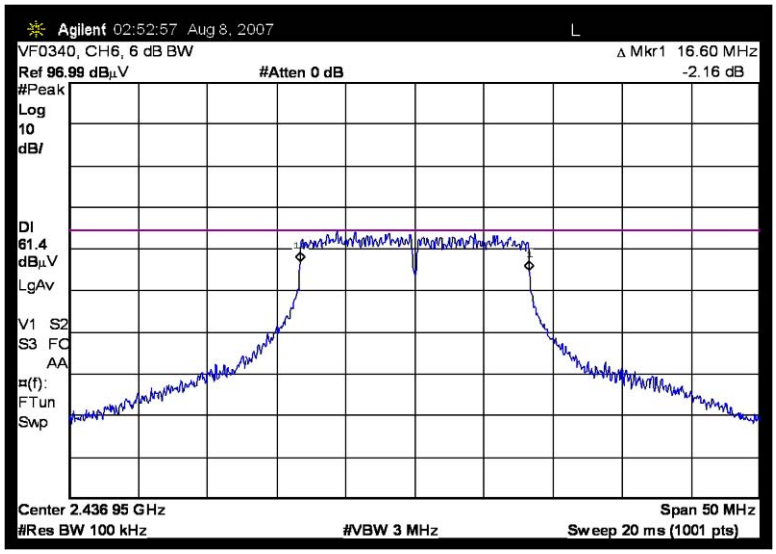
FCC 15.247(a)(2) 6 dB BANDWIDTH - 802.11b CHANNEL 11



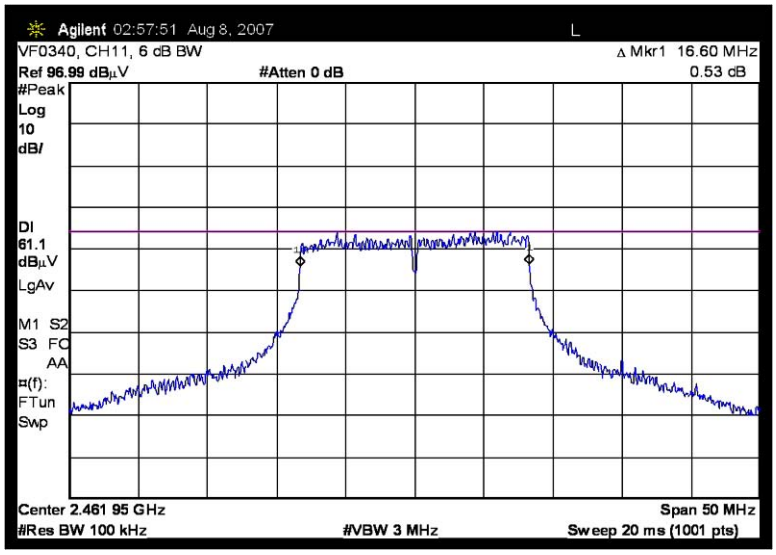
FCC 15.247(a)(2) 6 dB BANDWIDTH - 802.11g CHANNEL 1



FCC 15.247(a)(2) 6 dB BANDWIDTH - 802.11g CHANNEL 6



FCC 15.247(a)(2) 6 dB BANDWIDTH - 802.11g CHANNEL 11



20dB BANDWIDTH

Test Equipment

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	HOL-HF-025-06	02/20/2006	02/20/2008	P05138
HF Cable	HF-HC-02	03/27/2007	03/27/2009	01952
Cable, 6'	26	06/07/2006	06/07/2008	P04241

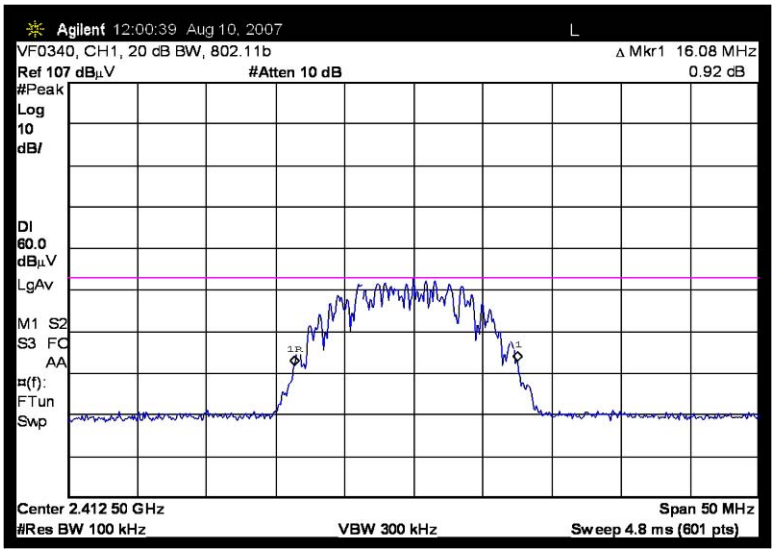
Test Conditions: EUT is at the back edge of the table. WIFI is active. Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is transmitting continuously on CH1=2412 MHz, CH6=2437 MHz, or CH11=2462 MHz. RBW=100 kHz. Preamp not used. Battery removed. Powered totally from AC adapter. 802.11b or 802.11g.

Test Setup Photos

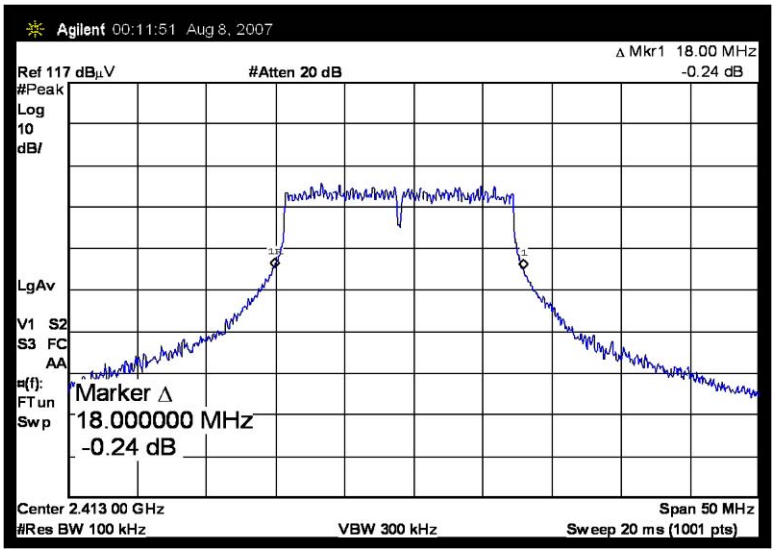
CH	Frequency (MHz)	Mode	20dB BW MHz
1	2412	802.11g	18.00
1	2412	802.11b	16.08

Test Plots

20dB BANDWIDTH - 802.11b CHANNEL 1



20dB BANDWIDTH - 802.11g CHANNEL 1



FCC 15.247(b)(3) RF POWER OUTPUT 1

Test Setup Photos

Transmit Power (dBm) calculated from field strength

CH	Frequency (MHz)	Mode	Peak Power	Limit	Pass/Fail
1	2414.9	802.11g	24.98	30	Pass
6	2441.45	802.11g	23.78	30	Pass
11	2466.0	802.11g	24.28	30	Pass
1	2412.5	802.11b	25.18	30	Pass
6	2437.55	802.11b	24.08	30	Pass
11	2462.5	802.11b	23.68	30	Pass

Conducted Transmit Power (dBm)

CH	Frequency (MHz)	Mode	Average Power	Peak Power	Limit	Pass/Fail
1	2412	802.11g	.027	.479	1.0	Pass
6	2437	802.11g	.030	.468	1.0	Pass
11	2462	802.11g	.030	.575	1.0	Pass
1	2412	802.11b	.036	.209	1.0	Pass
6	2437	802.11b	.030	.245	1.0	Pass
11	2462	802.11b	.034	.240	1.0	Pass

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247 RF Power-dBuV**
Work Order #: **87162** Date: 10/23/2007
Test Type: **Maximized Emissions** Time: 15:41:54
Equipment: **Video Conferencing Device** Sequence#: 23
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable		03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

EUT is at the back edge of the table. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. RBW=10 MHz. 20 dB BW (using RBW=100 kHz) of signal was measured as 16.1 MHz. Correction factor 10 log (16.1/10) = 2.1 dB added to spectrum analyzer reading. Preamp not used. BATTERY REMOVED. Powered totally from AC adapter. Transmitter field strength measurement to use in calculating conducted power output. EUT is now placed on a 95mm thick styrofoam block. Transmitter is continuously transmitting using 802.11b.

Transducer Legend:

T1=ANT AN02061 900MHz-18.5GHz	T2=ANP04241 HF-Heliax Cable
T3=P05138 HF Cable 25ft	T4=Cable P01952 2'
T5=BW corr 16.1 to 10 MHz	

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

#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV	dBµV	dB	Ant
1	2412.500M	83.5	+28.5 +2.1	+0.6	+2.4	+0.3	+10.0 118	127.4	137.0	-9.6	Horiz 138
									CH 1, on styrofoam block.		
2	2437.550M	82.4	+28.5 +2.1	+0.6	+2.4	+0.3	+10.0 124	126.3	137.0	-10.7	Horiz 138
									CH 6, on styrofoam block.		
3	2462.500M	82.0	+28.5 +2.1	+0.6	+2.4	+0.3	+10.0 117	125.9	137.0	-11.1	Horiz 126
									CH 11, on styrofoam block.		
4	2412.550M	78.2	+28.5 +2.1	+0.6	+2.4	+0.3	+10.0 70	122.1	137.0	-14.9	Vert 141
									CH 1, on styrofoam block.		
5	2437.600M	78.1	+28.5 +2.1	+0.6	+2.4	+0.3	+10.0 107	122.0	137.0	-15.0	Vert 114
									CH 6, on styrofoam block.		
6	2462.500M	77.4	+28.5 +2.1	+0.6	+2.4	+0.3	+10.0 108	121.3	137.0	-15.7	Vert 114
									CH 11, on styrofoam block.		

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247 RF Power-dBuV**
Work Order #: **87162** Date: 10/23/2007
Test Type: **Maximized Emissions** Time: 16:07:17
Equipment: **Video Conferencing Device** Sequence#: 24
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable		03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

EUT is at the back edge of the table. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. RBW=10 MHz. 20 dB BW (using RBW=100 kHz) of signal was measured as 16.1 MHz Correction factor 10 log (16.1/10) = 2.1 dB added to spectrum analyzer reading. Preamp not used. BATTERY REMOVED. Powered totally from AC adapter. Transmitter field strength measurement to use in calculating conducted power output. EUT is now placed on a 95mm thick styrofoam block. Transmitter is continuously transmitting using 802.11g.

Transducer Legend:

T1=ANT AN02061 900MHz-18.5GHz	T2=ANP04241 HF-Heliax Cable
T3=P05138 HF Cable 25ft	T4=Cable P01952 2'
T5=BW corr 18 to 10 MHz	

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

#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV	dBµV	dB	Ant
1	2414.900M	82.8	+28.5 +2.6	+0.6	+2.4	+0.3	+10.0 121	127.2	137.0 CH 1, on styrofoam block.	-9.8	Horiz 134
2	2466.000M	82.0	+28.5 +2.6	+0.6	+2.5	+0.3	+10.0 119	126.5	137.0 CH 11, on styrofoam block.	-10.5	Horiz 125
3	2441.450M	81.6	+28.5 +2.6	+0.6	+2.4	+0.3	+10.0 123	126.0	137.0 CH 6, on styrofoam block.	-11.0	Horiz 138

4	2416.100M	78.2	+28.5 +2.6	+0.6	+2.4	+0.3	+10.0 109	122.6	137.0 CH 1, on styrofoam block.	-14.4	Vert 115
5	2464.800M	77.8	+28.5 +2.6	+0.6	+2.5	+0.3	+10.0 110	122.3	137.0 CH 11, on styrofoam block.	-14.7	Vert 115
6	2440.150M	77.5	+28.5 +2.6	+0.6	+2.4	+0.3	+10.0 109	121.9	137.0 CH 6, on styrofoam block.	-15.1	Vert 115

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247 RF Power**
Work Order #: **87162** Date: 11/27/2007
Test Type: **Transmitter conducted power** Time: 16:02:51
Equipment: **Video Conferencing Device** Sequence#: 39
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER22

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
HF Cable		03/27/2007	03/27/2009	01952

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER22

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

WIFI is active. Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is transmitting continuously on CH1=2412 MHz, CH6=2437 MHz, or CH11=2462 MHz. RBW=10 MHz, VBW=50 MHz using EMI Peak setting on PSA series SA. 20 dB BW (using RBW=100 kHz) of signal was measured as 16.1 MHz Correction factor 10 log (16.1/10) = 2.1 dB added to spectrum analyzer reading. Preamp not used. Battery removed. Powered totally from AC adapter. Transmitter conducted power output. Transmitter is continuously transmitting using 802.11b.

Transducer Legend:

T1=Cable P01952 2'	T2=BW corr 16.1 to 10 MHz

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBm	Spec dBm	Margin dB	Polar Ant
1	2437.500M	21.5	+0.3	+2.1			+0.0	23.9	30.0 CH 6	-6.1	None
2	2462.520M	21.4	+0.3	+2.1			+0.0	23.8	30.0 CH 11	-6.2	None
3	2412.540M	20.8	+0.3	+2.1			+0.0	23.2	30.0 CH 1	-6.8	None

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247 RF Power**
Work Order #: **87162** Date: 11/27/2007
Test Type: **Transmitter conducted power** Time: 16:22:56
Equipment: **Video Conferencing Device** Sequence#: 40
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER22

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
HF Cable		03/27/2007	03/27/2009	01952

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER22

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

WIFI is active. Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is transmitting continuously on CH1=2412 MHz, CH6=2437 MHz, or CH11=2462 MHz. RBW=10 MHz, VBW=50 MHz using EMI Peak setting on PSA series SA. 20 dB BW (using RBW=100 kHz) of signal was measured as 18 MHz Correction factor 10 log (18/10) = 2.6 dB added to spectrum analyzer reading. Preamp not used. Battery removed. Powered totally from AC adapter. Transmitter conducted power output. Transmitter is continuously transmitting using 802.11g.

Transducer Legend:

T1=Cable P01952 2'	T2=BW corr 18 to 10 MHz

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBm	Spec dBm	Margin dB	Polar Ant
1	2466.100M	24.7	+0.3	+2.6			+0.0	27.6	30.0	-2.4	None
2	2415.040M	23.9	+0.3	+2.6			+0.0	26.8	30.0	-3.2	None
3	2441.220M	23.8	+0.3	+2.6			+0.0	26.7	30.0	-3.3	None

FCC 15.209/15.247(d) BAND EDGE

Test Setup Photos

Band Edge to 15.209

CH	Frequency MHz	Mode	Level at edge of restricted band	FCC 15.209 Limit	Pass/Fail
1	2390.0	802.11g	46.5	54.0	Pass
11	2483.5	802.11g	46.2	54.0	Pass
1	2390.0	802.11b	47.0	54.0	Pass
11	2483.5	802.11b	46.9	54.0	Pass

Band Edge to 15.247(d)

CH	Frequency (MHz)	Mode	Level at band edge	-20dBc 15.247d Limit	Pass/Fail
1	2400.0	802.11g	62.3	73.3	Pass
11	2483.5	802.11g	46.2	73.3	Pass
1	2397.5	802.11b	59.3	74.2	Pass
11	2483.5	802.11b	46.8	74.2	Pass

Test Data

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.209**
Work Order #: **87162** Date: 10/24/2007
Test Type: **Maximized Emissions** Time: 09:18:30
Equipment: **Video Conferencing Device** Sequence#: 26
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable	HF-HC-02	03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241
Preamp, HP83017A	3123A00283	05/16/2007	05/16/2009	00785

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

EUT is at the back edge of the table. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is continuously transmitting. 802.11b RBW=1 MHz, video averaging.

Transducer Legend:

T1=ANT AN02061 900MHz-18.5GHz	T2=ANP04241 HF-Heliax Cable
T3=P05138 HF Cable 25ft	T4=Cable P01952 2'
T5=AMP AN02810 50GHz	

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

#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5								
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	2390.000M	42.7	+28.5	+0.6	+2.3	+0.2	+0.0	47.0	54.0	-7.0	Vert
	Ave		-27.3				117		CH 1 802.11b		135
2	2483.500M	42.1	+28.5	+0.6	+2.5	+0.3	+0.0	46.9	54.0	-7.1	Vert
			-27.1				118		CH 11 802.11b		126

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247d Spurious Radiated**
Work Order #: **87162** Date: 10/24/2007
Test Type: **Maximized Emissions** Time: 09:18:30
Equipment: **Video Conferencing Device** Sequence#: 26
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable	HF-HC-02	03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241
Preamp, Agilent 83051A	00323	02/27/2006	02/27/2008	02810

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

EUT is at back edge of table. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is continuously transmitting on CH1=2412 MHz or CH11=2462 MHz. 802.11b RBW=1 MHz, video averaging. Measured only in worst case vertical polarity.

Transducer Legend:

T1=ANT AN02061 900MHz-18.5GHz	T2=ANP04241 HF-Heliax Cable
T3=P05138 HF Cable 25ft	T4=Cable P01952 2'
T5=AMP AN02810 50GHz	

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

#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5								
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV	dBµV	dB	Ant
1	2397.500M	55.0	+28.5	+0.6	+2.3	+0.2	+0.0	59.3	74.2	-14.9	Vert
	Ave		-27.3				117		CH 1 802.11b		135
2	2483.500M	42.0	+28.5	+0.6	+2.5	+0.3	+0.0	46.8	74.2	-27.4	Vert
			-27.1				118		CH 11 802.11b		126

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer: **Creative Labs, Inc.**
Specification: **FCC 15.247d Spurious Radiated**
Work Order #: **87162** Date: 10/11/2007
Test Type: **Maximized Emissions** Time: 09:10:19
Equipment: **Video Conferencing Device** Sequence#: 4
Manufacturer: Creative Labs, Inc Tested By: Art Rice
Model: VF0340
S/N: ER56

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable	HF-HC-02	03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241
Preamp, HP83017A	3123A00283	05/16/2007	05/16/2009	00785

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

EUT is at back edge of table. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is continuously transmitting on CH1=2412 MHz or CH11=2462 MHz. 802.11g RBW=1 MHz, video averaging. Taken in worst case polarization.

Transducer Legend:

T1=AMP-AN00785-051607	T2=ANT AN02061 900MHz-18.5GHz
T3=ANP04241 HF-Heliax Cable	T4=P05138 HF Cable 25ft
T5=Cable P01952 2'	

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

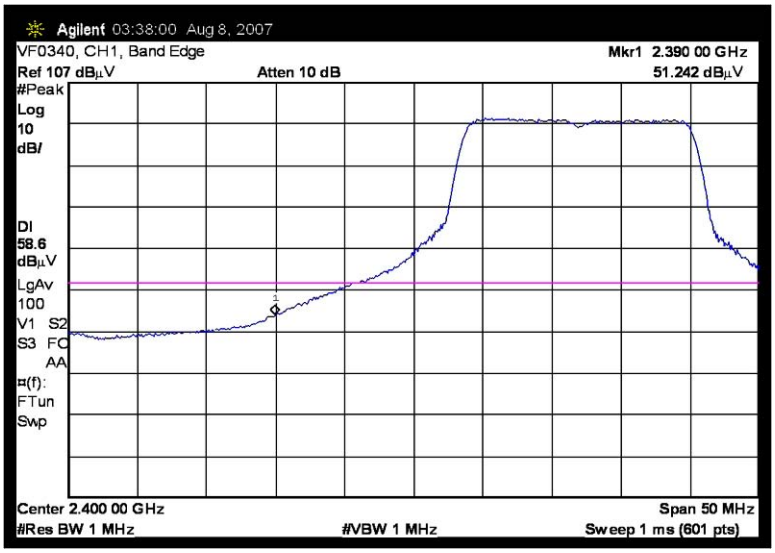
#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV	dBµV	dB	Ant
1	2400.000M	67.0	-36.3	+28.5	+0.6	+2.3	+0.0	62.3	73.3	-11.0	Vert
	Ave		+0.2				64				100
2	2483.500M	50.5	-36.2	+28.5	+0.6	+2.5	+0.0	46.2	73.3	-27.1	Vert
	Ave		+0.3				66				100

Test Plots

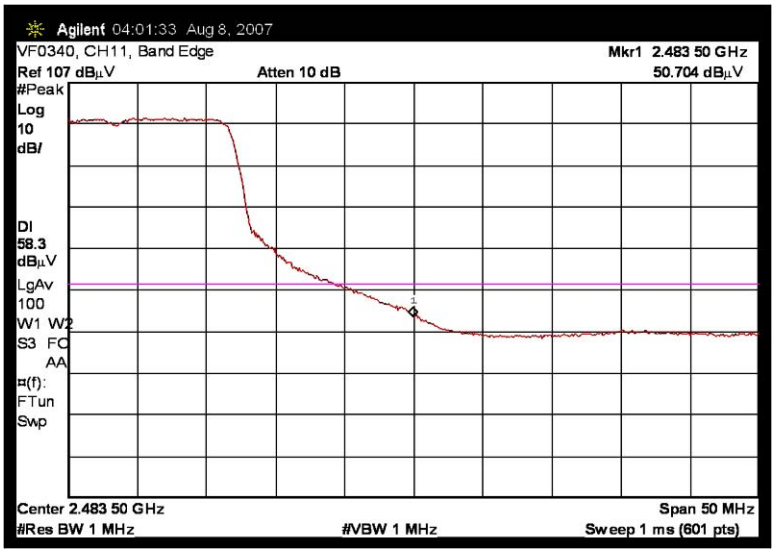
FCC 15.247(d) BAND EDGE - 802.11b CHANNEL 1

FCC 15.247(d) BAND EDGE - 802.11b CHANNEL 11

FCC 15.247(d) BAND EDGE - 802.11g CHANNEL 1

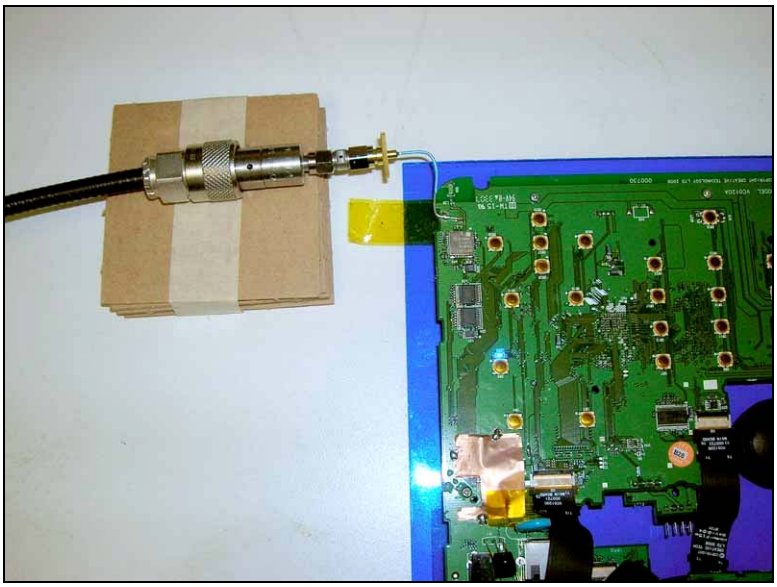


FCC 15.247(d) BAND EDGE - 802.11g CHANNEL 11



FCC 15.247(e) POWER SPECTRAL DENSITY

Test Setup Photos



Test Data

Test Location: CKC Laboratories, Inc. •1120 Fulton Place • Fremont, CA 94539 • 510-249-1170

Customer:	**Creative Labs, Inc.**		
Specification:	**FCC 15.247 Spectral Density dBuV**		
Work Order #:	**87162**	Date:	10/23/2007
Test Type:	**Maximized Emissions**	Time:	17:37:58
Equipment:	**Video Conferencing Device**	Sequence#:	25
Manufacturer:	Creative Labs, Inc	Tested By:	Art Rice
Model:	VF0340		
S/N:	ER56		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
E4446A Spectrum Analyzer	US44300408	03/05/2007	03/05/2009	02668
Antenna, Horn 1-18 GHz	1064	03/19/2007	03/19/2009	02061
Cable HF	n/a	02/20/2006	02/20/2008	P05138
HF Cable		03/27/2007	03/27/2009	01952
Cable, 6'	n/a	06/07/2006	06/07/2008	P04241

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

Function	Manufacturer	Model #	S/N
AC Adapter	Creative Labs, Inc.	TESA9G-0502400	ADC0000005640
Video Conferencing Device*	Creative Labs, Inc	VF0340	ER56

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

EUT is at the back edge of the table. WIFI is active. Notes: Shorted ground from isolation transformer to RJ45 connector. No peripherals attached. Transmitter is continuously transmitting. Preamp not used. Spectral power density field strength measurement to use in calculating conducted spectral power density. Performed in worst case polarity. 802.11b mode

Transducer Legend:

T1=ANT AN02061 900MHz-18.5GHz	T2=ANP04241 HF-Heliax Cable
T3=P05138 HF Cable 25ft	T4=Cable P01952 2'

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 dBm	Spec dBm	Margin dB	Polar Ant
1	2412.507M	64.2	+28.5	+0.6	+2.4	+0.3	+10.0 121	106.0	115.0	-9.0	Horiz 134
2	2437.507M	64.1	+28.5	+0.6	+2.4	+0.3	+10.0 119	105.9	115.0	-9.1	Horiz 138
3	2462.508M	63.0	+28.5	+0.6	+2.4	+0.3	+10.0 119	104.8	115.0	-10.2	Horiz 125

Power Spectral Density (dBm) calculated from field strength

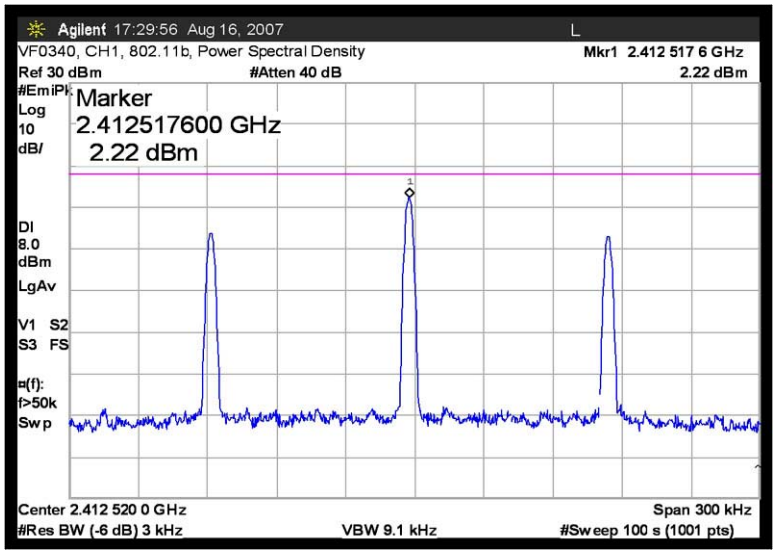
CH	Frequency (MHz)	Mode	Power Spectral Density	Limit	Pass/Fail
1	2416.32	802.11g	-15.718	8	Pass
6	2439.77	802.11g	-16.518	8	Pass
11	2464.77	802.11g	-16.018	8	Pass
1	2412.5	802.11b	1.782	8	Pass
6	2437.5	802.11b	2.182	8	Pass
11	2462.5	802.11b	2.082	8	Pass

Conducted Power Spectral Density (dBm)

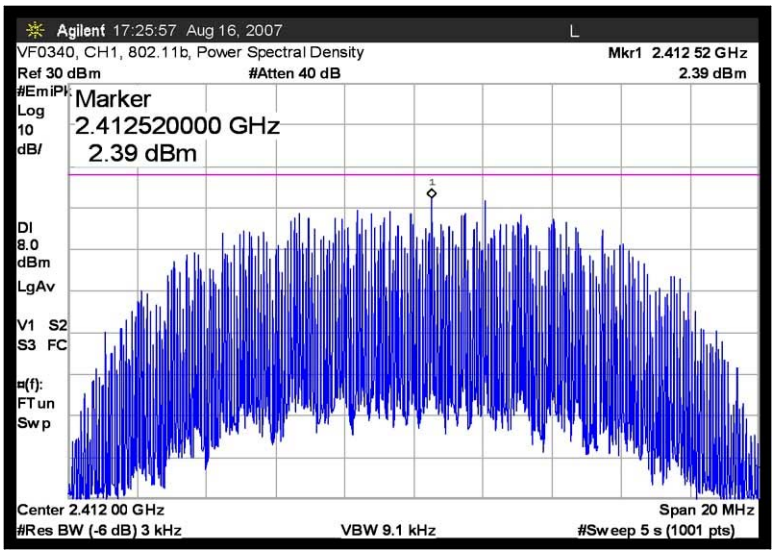
CH	Frequency (MHz)	Mode	Power Spectral Density	Limit	Pass/Fail
1	2412	802.11g	-10.5	8	Pass
6	2437	802.11g	-10.35	8	Pass
11	2462	802.11g	-11.07	8	Pass
1	2412	802.11b	2.22	8	Pass
6	2437	802.11b	2.10	8	Pass
11	2462	802.11b	2.41	8	Pass

Test Plots

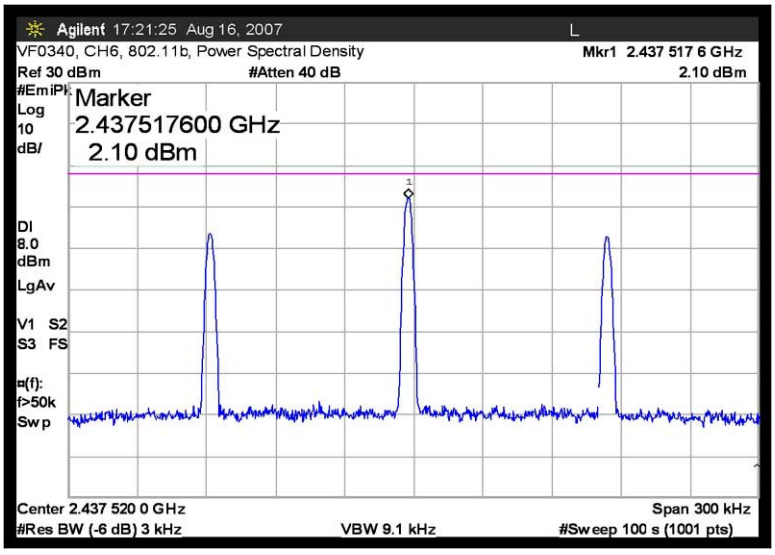
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11b
CHANNEL 1 300 kHz SPAN



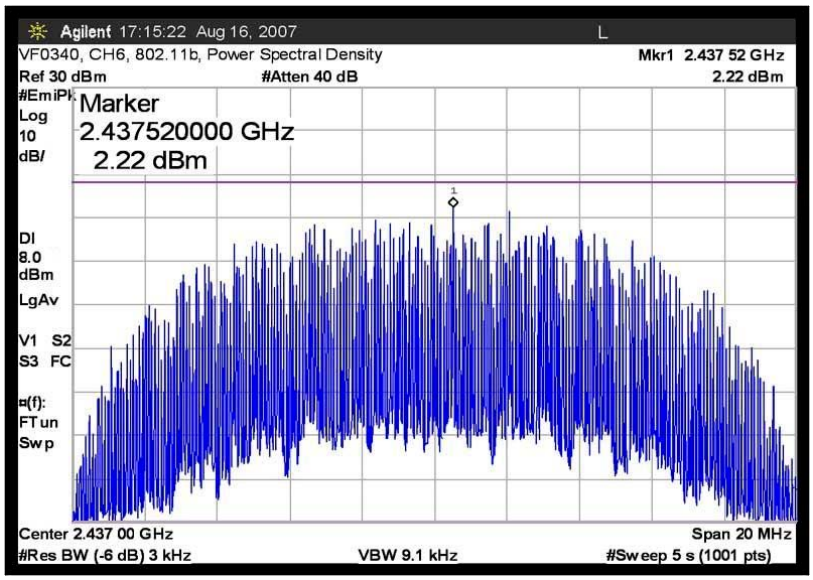
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11b CHANNEL 1 20 MHz SPAN



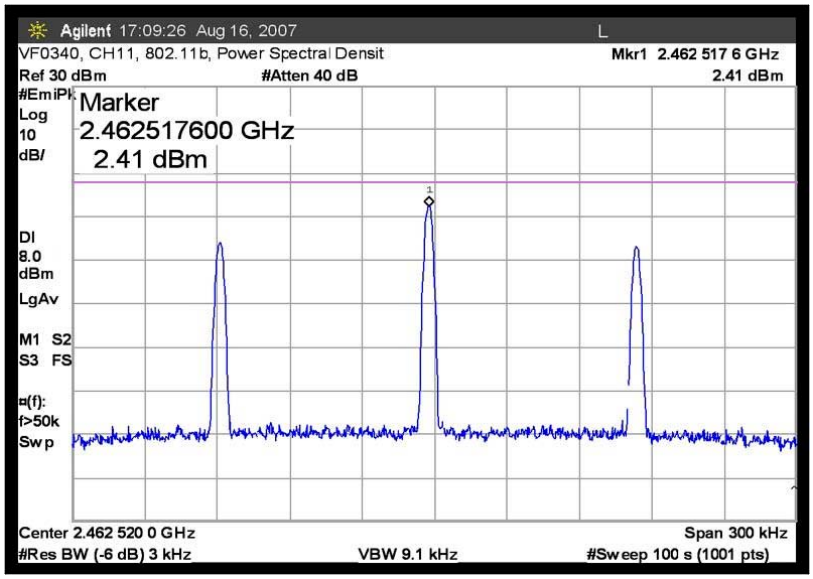
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11b CHANNEL 6 300 kHz SPAN



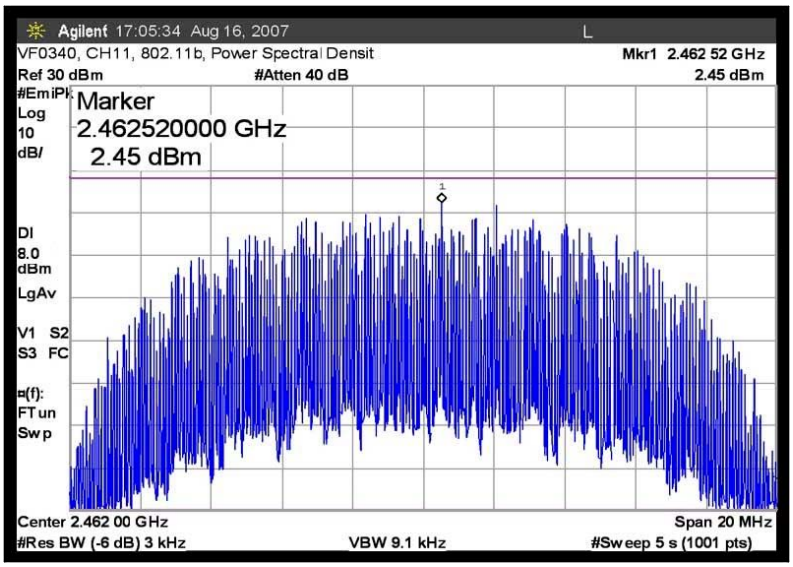
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11b CHANNEL 6 20 MHz SPAN



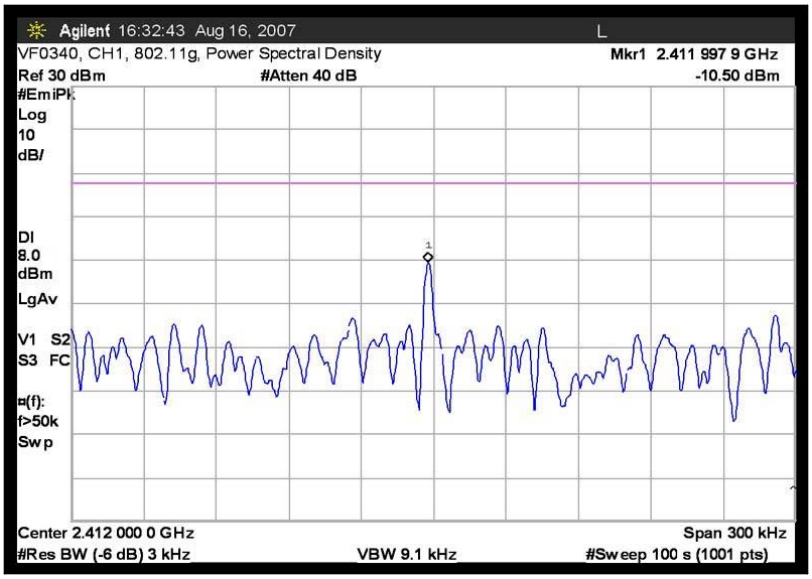
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11b CHANNEL 11 300 kHz SPAN



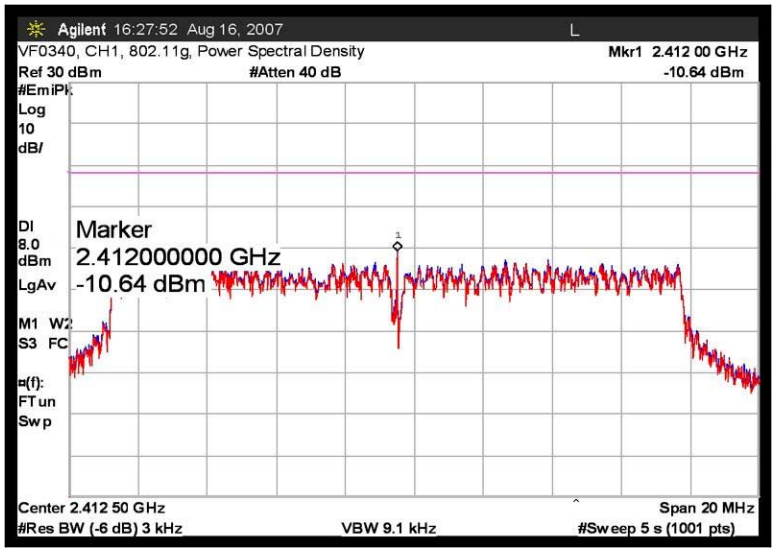
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11b
CHANNEL 11 20 MHz SPAN



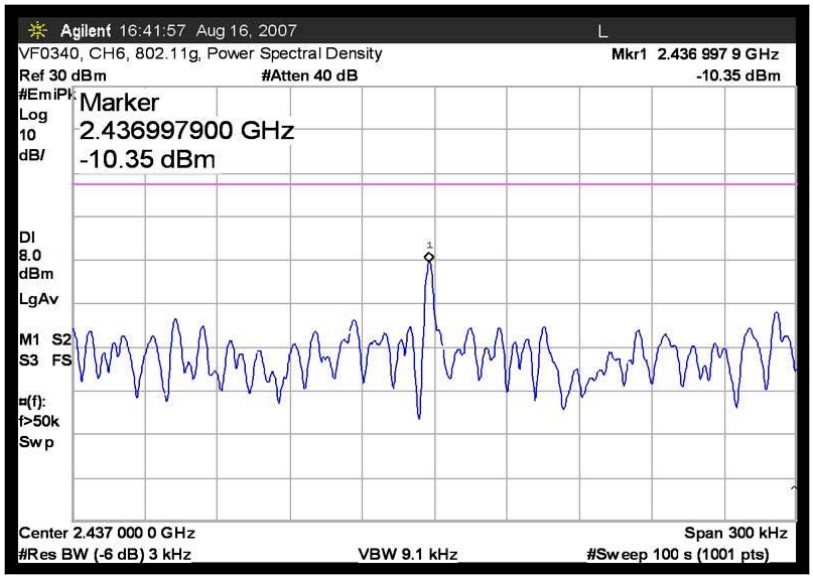
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11g
CHANNEL 1 300 kHz SPAN



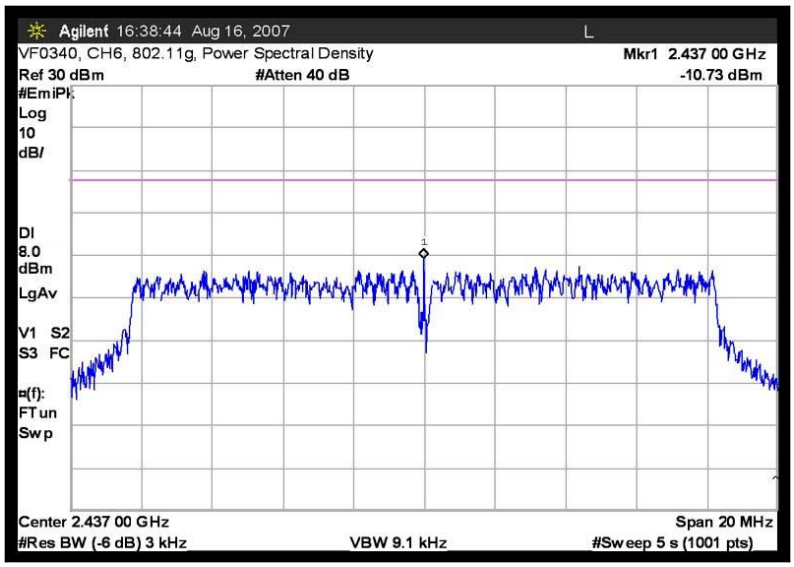
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11g CHANNEL 1 20 MHz SPAN



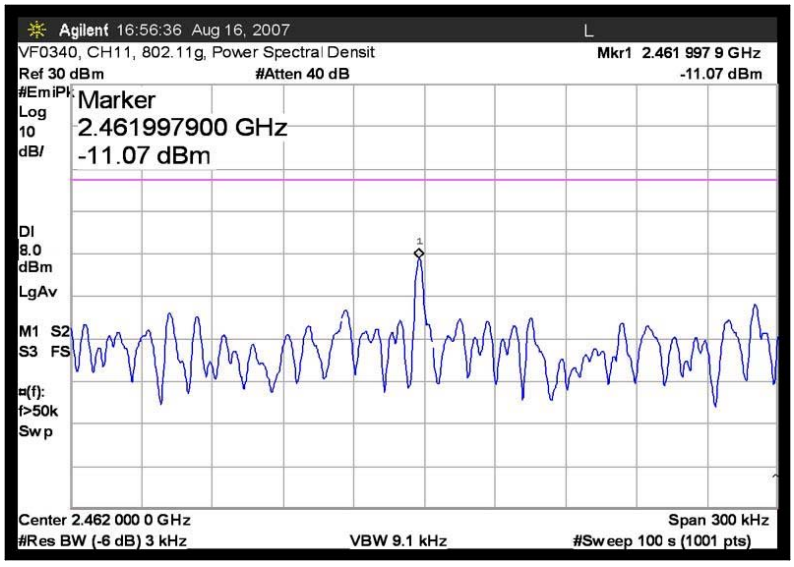
FCC 15.247(e) POWER SPECTRAL DENSITY 802.11g CHANNEL 6 300 kHz SPAN



FCC 15.247(e) POWER SPECTRAL DENSITY 802.11g CHANNEL 6 20 MHz SPAN



FCC 15.247(e) POWER SPECTRAL DENSITY 802.11g CHANNEL 11 300 kHz SPAN



FCC 15.247(e) POWER SPECTRAL DENSITY 802.11g
CHANNEL 11 20 MHz SPAN