

Hewlett-Packard Company

Regulatory Model # CRVSB-07BR

June 08, 2007

Report No. HEWP0011 Rev 02

Report Prepared By



www.nwemc.com
1-888-EMI-CERT

© 2007 Northwest EMC, Inc

EMC Test Report



22975 NW Evergreen Parkway
Suite 400
Hillsboro, Oregon 97124

Certificate of Test
Issue Date: June 08, 2007
Hewlett-Packard Company
Regulatory Model # CRVSB-07BR

Emissions				
Test Description	Specification	Test Method	Pass	Fail
Radiated Emissions	FCC 15.109:2006 Class A	ANSI C63.4:2003	☒	☐
Spurious Radiated Emissions	FCC 15.247:2006 DTS	ANSI C63.4:2003, KDB No. 558074	☒	☐
AC Powerline Conducted Emissions	FCC 15.207:2006	ANSI C63.4:2003	☒	☐
Conducted Emissions	FCC 107:2006 Class B	ANSI C63.4:2003	☒	☐

Modifications made to the product

See the Modifications section of this report

Test Facility

The measurement facility used to collect the data is located at:

Northwest EMC, Inc.
22975 NW Evergreen Parkway, Suite 400
Hillsboro, OR 97124

Phone: (503) 844-4066 Fax: 844-3826

This site has been fully described in a report filed with and accepted by the FCC (Federal Communications Commission) and Industry Canada.

Approved By:

Donald Fecteau, IS Manager

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested, the specific description is noted in each of the individual sections of the test report supporting this certificate of test.

Revision Number	Description	Date	Page Number
01	Changed model name	12/12/07	All
02	Corrected attendee name on data sheets.	12/18/07	11, 14, 15, 17-20, 22-27

FCC: Accredited by NVLAP for performance of FCC radio, digital, and ISM device testing. Our Open Area Test Sites, certification chambers, and conducted measurement facilities have been fully described in reports filed with the FCC and accepted by the FCC in letters maintained in our files. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by the FCC as a Telecommunications Certification Body (TCB). This allows Northwest EMC to certify transmitters to FCC specifications in accordance with 47 CFR 2.960 and 2.962.



NVLAP: Northwest EMC, Inc. is accredited under the United States Department of Commerce, National Institute of Standards and Technology, and National Voluntary Laboratory Accreditation Program for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 89/336/EEC, ANSI C63.4, MIL-STD 461E, DO-160D and SAE J1113. Additionally, Northwest EMC is accredited by NVLAP to perform radio testing in accordance with the European Union R&TTE Directive 1999/5/EEC, the requirements of FCC, and the RSS radio standards for Industry Canada.



NVLAP LAB CODE 200629-0
 NVLAP LAB CODE 200630-0
 NVLAP LAB CODE 200676-0
 NVLAP LAB CODE 200761-0

Industry Canada: Accredited by NVLAP for performance of Industry Canada RSS and ICES testing. Our Open Area Test Sites and certification chambers comply with RSS 212, Issue 1 (Provisional) and have been filed with Industry Canada and accepted. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by NIST and recognized by Industry Canada as a Certification Body (CB) per the APEC Mutual Recognition Arrangement (MRA). This allows Northwest EMC to certify transmitters to Industry Canada technical requirements.



CAB: Designated by NIST and validated by the European Commission as a Conformity Assessment Body (CAB) to conduct tests and approve products to the EMC directive and transmitters to the R&TTE directive, as described in the U.S. - EU Mutual Recognition Agreement.



TÜV Product Service: Included in TÜV Product Service Group's Listing of Recognized Laboratories. It qualifies in connection with the TÜV Certification after Recognition of Agent's Testing Program for the product categories and/or standards shown in TÜV's current Listing of CARAT Laboratories, available from TÜV. A certificate was issued to represent that this laboratory continues to meet TÜV's CARAT Program requirements. Certificate No. USA0604C.



TÜV Rheinland: Authorized to carryout EMC tests by order and under supervision of TÜV Rheinland. This authorization is based on "Conditions for EMC-Subcontractors" of November 1992.



NEMKO: Assessed and accredited by NEMKO (Norwegian testing and certification body) for European emissions and immunity testing. As a result of NEMKO's laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification (Authorization No. ELA 119).



Australia/New Zealand: The National Association of Testing Authorities (NATA), Australia has been appointed by the ACA as an accreditation body to accredit test laboratories and competent bodies for EMC standards. Accredited test reports or assessments by competent bodies must carry the NATA logo. Test reports made by an overseas laboratory that has been accredited for the relevant standards by an overseas accreditation body that has a Mutual Recognition Agreement (MRA) with NATA are also accepted as technical grounds for product conformity. The report should be endorsed with the respective logo of the accreditation body (NVLAP).



VCCI: Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. (*Registration Numbers. - Hillsboro: C-1071, R-1025, C-2687, T-289, and R-2318, Irvine: R-1943, C-2766, and T-298, Sultan: R-871, C-1784, and T-294*).



BSMI: Northwest EMC has been designated by NIST and validated by C-Taipei (BSMI) as a CAB to conduct tests as described in the APEC Mutual Recognition Agreement. License No.SL2-IN-E-1017.



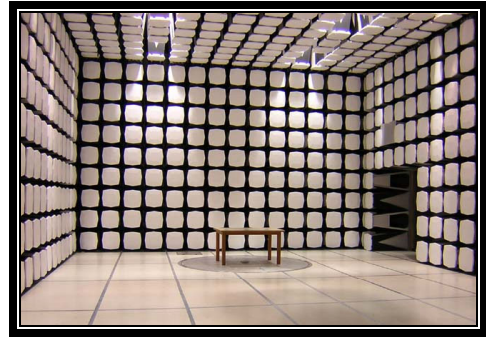
GOST: Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification



SCOPE

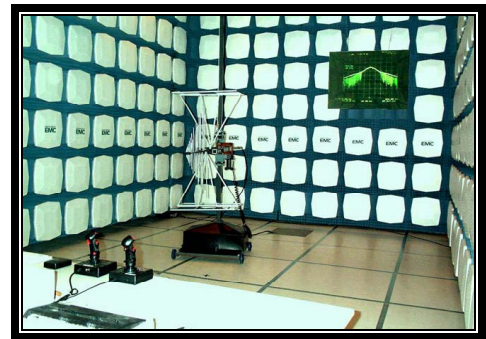
For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/scope.asp>



**California – Orange County Facility
Labs OC01 – OC13**

41 Tesla Ave. Irvine, CA 92618
(888) 364-2378 Fax: (503) 844-3826



**Oregon – Evergreen Facility
Labs EV01 – EV11**

22975 NW Evergreen Pkwy. Suite 400 Hillsboro, OR 97124
(503) 844-4066 Fax: (503) 844-3826



**Washington – Sultan Facility
Labs SU01 – SU07**

14128 339th Ave. SE Sultan, WA 98294
(888) 364-2378

Party Requesting the Test

Company Name:	Hewlett-Packard Company
Address:	1000 NE Circle Blvd
City, State, Zip:	Corvallis, OR 97330
Test Requested By:	Peter Petersen
Model:	Regulatory Model #CRVSB-07BR
First Date of Test:	May 23, 2007
Last Date of Test:	May 24, 2007
Receipt Date of Samples:	May 23, 2007
Equipment Design Stage:	Prototype
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test**Functional Description of the EUT (Equipment Under Test):**

Digital Transmission System (DTS) radio with 32mW (15 dBm) output power.

Testing Objective:

802.11(b) radio operating at 2.4 GHz. Device imager scans barcode, 802.11b transmits, receives data, processor formats label, inkjet cartridge prints label. Uses a Wireless Products WPANTFR4022A pcb antenna, 2.0 dBi typical. Seeking TCB certification under 15.247.

CONFIGURATION 1 HEWP0011

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
EUT	Hewlett-Packard	Regulatory Model # CRVSB-07BR	Unit 35 (high channel)
EUT	Hewlett-Packard	Regulatory Model # CRVSB-07BR	Unit 30 (low, mid channel)

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Battery Pack	Hewlett-Packard	FA41001934	129

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
USB	Yes	1.0m	No	EUT	Unterminated
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

CONFIGURATION 2 HEWP0011

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
EUT	Hewlett-Packard	Regulatory Model # CRVSB-07BR	Unit 34

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Battery Charger	Cadex Electronicx, Inc.	Cadex Duro B5	Unknown
AC Adapter	EDAC Power Elec.	EA11603	Unknown
Battery Pack (x3)	Hewlett-Packard	18650 Series Li-Ion	Unknown

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
USB	Yes	1.0m	No	EUT	Unterminated
DC	No	0.3m	No	EUT	Battery (in charger)
DC	No	1.2m	No	Battery Charger	AC Adapter
AC	No	2.0m	No	AC Adapter	AC Mains
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

Equipment modifications					
Item	Date	Test	Modification	Note	Disposition of EUT
1	5/23/2007	AC Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	5/23/2007	Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	5/24/2007	Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
4	5/24/2007	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Normal operation

MODE USED FOR FINAL DATA

Normal operation

POWER SETTINGS INVESTIGATED

Battery

POWER SETTINGS USED FOR FINAL DATA

Battery

FREQUENCY RANGE INVESTIGATED

Start Frequency	30MHz	Stop Frequency	1000MHz
-----------------	-------	----------------	---------

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
EV11 cables a,b,c			EVL	5/1/2007	13
Pre-Amplifier	Miteq	AM-1551	AOY	5/1/2007	13
Antenna, Biconilog	EMCO	3142	AXB	12/28/2006	24
Spectrum Analyzer	Agilent	E4443A	AAS	12/7/2006	13

MEASUREMENT BANDWIDTHS

	Frequency Range	Peak Data	Quasi-Peak Data	Average Data
	(MHz)	(kHz)	(kHz)	(kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, a final radiated emissions test was performed. The frequency range investigated (scanned), is also noted in this report. Radiated emissions measurements were made at the EUT azimuth and antenna height such that the maximum radiated emissions level will be detected. This requires the use of a turntable and an antenna positioner. The preferred method of a continuous azimuth search is utilized for frequency scans of the EUT field strength with both polarities of the measuring antenna. A calibrated, linearly polarized antenna was positioned at the specified distance from the periphery of the EUT.

Tests were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna was varied in height above the conducting ground plane to obtain the maximum signal strength. Though specified in the report, the measurement distance shall be 3 meters or 10 meters. At any measurement distance, the antenna height was varied from 1 meter to 4 meters. These height scans apply for both horizontal and vertical polarization, except that for vertical polarization the minimum height of the center of the antenna shall be increased so that the lowest point of the bottom of the antenna clears the ground surface by at least 25 cm.

NORTHWEST EMC										RADIATED EMISSIONS DATA SHEET				PSA 2007.05.07 EMI 2006.12.20	
EUT: Regulatory Model #CRVSB-07BR										Work Order: HEWP0011					
Serial Number: 34										Date: 05/24/07					
Customer: Hewlett-Packard Company										Temperature: 22					
Attendees: Peter Petersen										Humidity: 34%					
Project: None										Barometric Pres.: 30.12					
Tested by: David Divergigelis						Power: Battery		Job Site: EV11							
TEST SPECIFICATIONS										Test Method					
FCC 15.109:2006 Class A										ANSI C63.4:2003					
TEST PARAMETERS															
Antenna Height(s) (m)						1 - 4		Test Distance (m)		10					
COMMENTS															
Scanning. TX and RX. Formatting and printing on strip printer at 10ips. Laptop under floor. Power supplies on. EUT is on.															
EUT OPERATING MODES															
Normal operation															
DEVIATIONS FROM TEST STANDARD															
No deviations.															
Run #		2		 Signature											
Configuration #		2													
Results		Pass													
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)			
745.864	50.1	-10.5	254.0	2.5	10.0	0.0	V-Bilog	QP	0.0	39.6	47.0	-7.4			
866.236	46.2	-9.4	232.0	2.1	10.0	0.0	V-Bilog	QP	0.0	36.8	47.0	-10.2			
914.367	45.2	-8.7	239.0	1.7	10.0	0.0	V-Bilog	QP	0.0	36.5	47.0	-10.5			
769.960	46.5	-10.4	199.0	2.2	10.0	0.0	V-Bilog	QP	0.0	36.1	47.0	-10.9			
842.090	45.1	-10.0	253.0	2.0	10.0	0.0	V-Bilog	QP	0.0	35.1	47.0	-11.9			
176.016	49.2	-24.0	74.0	1.0	10.0	0.0	V-Bilog	QP	0.0	25.2	40.0	-14.8			
144.335	49.6	-25.9	333.0	1.0	10.0	0.0	V-Bilog	QP	0.0	23.7	40.0	-16.3			
168.391	46.8	-24.3	131.0	1.5	10.0	0.0	V-Bilog	QP	0.0	22.5	40.0	-17.5			
157.610	47.4	-25.0	297.0	1.0	10.0	0.0	V-Bilog	QP	0.0	22.4	40.0	-17.6			
166.685	46.6	-24.3	-1.0	1.1	10.0	0.0	V-Bilog	QP	0.0	22.3	40.0	-17.7			
745.838	39.0	-10.5	141.0	1.3	10.0	0.0	H-Bilog	QP	0.0	28.5	47.0	-18.5			
938.389	36.1	-8.4	6.0	2.1	10.0	0.0	V-Bilog	QP	0.0	27.7	47.0	-19.3			
631.922	39.0	-12.3	231.0	3.5	10.0	0.0	V-Bilog	PK	0.0	26.7	47.0	-20.3			
438.954	42.0	-16.1	353.0	3.5	10.0	0.0	V-Bilog	PK	0.0	25.9	47.0	-21.1			
77.036	45.1	-27.4	345.0	1.9	10.0	0.0	V-Bilog	QP	0.0	17.7	40.0	-22.3			
845.894	33.1	-9.9	359.0	2.0	10.0	0.0	V-Bilog	QP	0.0	23.2	47.0	-23.8			
783.153	33.4	-10.5	304.0	2.0	10.0	0.0	V-Bilog	QP	0.0	22.9	47.0	-24.1			
384.981	39.1	-16.8	58.0	1.1	10.0	0.0	V-Bilog	QP	0.0	22.3	47.0	-24.7			
850.527	32.0	-9.8	123.0	1.5	10.0	0.0	V-Bilog	QP	0.0	22.2	47.0	-24.8			
768.692	31.9	-10.4	-1.0	1.8	10.0	0.0	V-Bilog	QP	0.0	21.5	47.0	-25.5			
240.529	41.5	-21.3	360.0	1.1	10.0	0.0	V-Bilog	PK	0.0	20.2	47.0	-26.8			

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)
93.070	39.6	-27.1	101.0	1.0	10.0	0.0	V-Bilog	QP	0.0	12.5	40.0	-27.5
87.986	38.0	-27.2	23.0	1.0	10.0	0.0	V-Bilog	PK	0.0	10.8	40.0	-29.2

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Receive mode, mid channel. Charging mode.

POWER SETTINGS INVESTIGATED

120V/60Hz

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
LISN	Solar	9252-50-R-24-BNC	LIQ	12/20/2006	13
Receiver	Rohde & Schwartz	ESCI	ARG	12/7/2006	13
High Pass Filter	TTE	H97-100K-50-720B	HFX	8/22/2006	13
Attenuator	Tektronix	011-0059-02	ATC	12/27/2006	13

MEASUREMENT BANDWIDTHS

	Frequency Range	Peak Data	Quasi-Peak Data	Average Data
	(MHz)	(kHz)	(kHz)	(kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

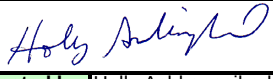
Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50 Ω .

EMC

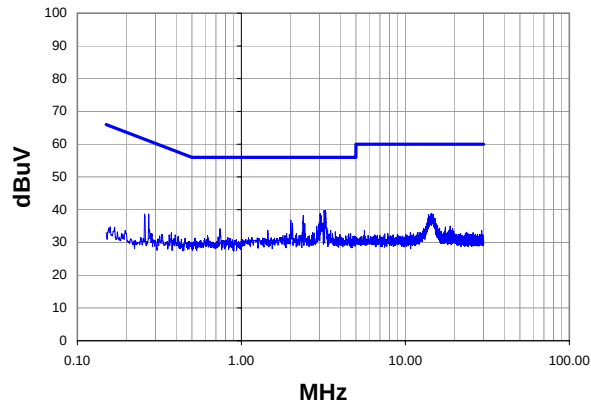
CONDUCTED EMISSIONS

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Receive mode, mid channel. Charging mode.			
Deviations:				
Comments:				

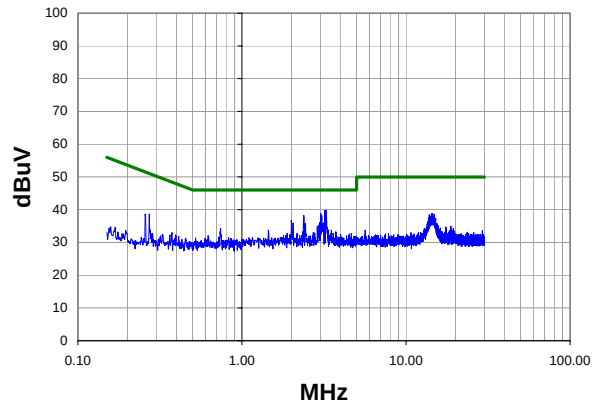
Test Specifications	Class B	Test Method
FCC 15.107:2006		ANSI C63.4:2003

Run #	7	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
-------	---	-------	---------	-------------------	----	---------	------

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

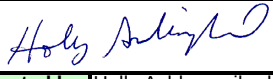
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.256	19.3	0.5	39.8	56.0	-16.2
3.192	19.2	0.5	39.7	56.0	-16.3
3.024	18.3	0.5	38.8	56.0	-17.2
2.384	17.7	0.5	38.2	56.0	-17.8
3.064	17.7	0.5	38.2	56.0	-17.8
3.232	17.1	0.5	37.6	56.0	-18.4
2.000	16.3	0.5	36.8	56.0	-19.2
2.984	15.6	0.5	36.1	56.0	-19.9
2.048	15.4	0.5	35.9	56.0	-20.1
2.432	15.3	0.5	35.8	56.0	-20.2
2.952	14.8	0.5	35.3	56.0	-20.7
2.880	14.4	0.5	34.9	56.0	-21.1
14.360	18.3	0.5	38.8	60.0	-21.2
14.480	18.2	0.5	38.7	60.0	-21.3
14.860	18.1	0.5	38.6	60.0	-21.4
13.860	18.0	0.5	38.5	60.0	-21.5
0.742	13.5	0.7	34.2	56.0	-21.8
3.360	13.3	0.5	33.8	56.0	-22.2
1.448	13.2	0.5	33.7	56.0	-22.3
3.504	13.2	0.5	33.7	56.0	-22.3

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.256	19.3	0.5	39.8	46.0	-6.2
3.192	19.2	0.5	39.7	46.0	-6.3
3.024	18.3	0.5	38.8	46.0	-7.2
2.384	17.7	0.5	38.2	46.0	-7.8
3.064	17.7	0.5	38.2	46.0	-7.8
3.232	17.1	0.5	37.6	46.0	-8.4
2.000	16.3	0.5	36.8	46.0	-9.2
2.984	15.6	0.5	36.1	46.0	-9.9
2.048	15.4	0.5	35.9	46.0	-10.1
2.432	15.3	0.5	35.8	46.0	-10.2
2.952	14.8	0.5	35.3	46.0	-10.7
2.880	14.4	0.5	34.9	46.0	-11.1
14.360	18.3	0.5	38.8	50.0	-11.2
14.480	18.2	0.5	38.7	50.0	-11.3
14.860	18.1	0.5	38.6	50.0	-11.4
13.860	18.0	0.5	38.5	50.0	-11.5
0.742	13.5	0.7	34.2	46.0	-11.8
3.360	13.3	0.5	33.8	46.0	-12.2
1.448	13.2	0.5	33.7	46.0	-12.3
3.504	13.2	0.5	33.7	46.0	-12.3

EMC

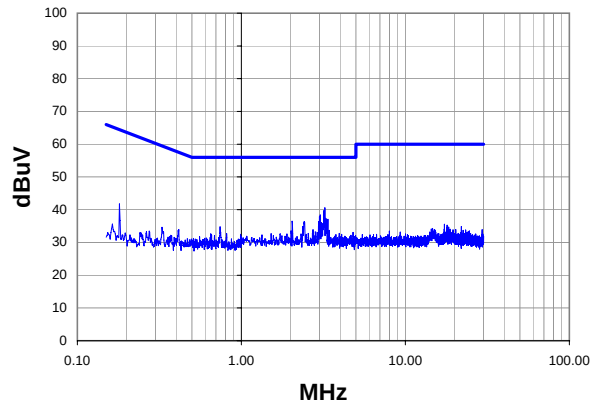
CONDUCTED EMISSIONS

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Receive mode, mid channel. Charging mode.			
Deviations:				
Comments:				

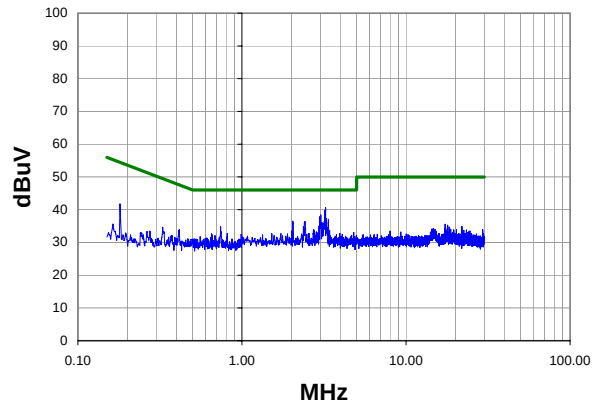
Test Specifications FCC 15.107:2006	Class B	Test Method ANSI C63.4:2003
---	----------------	---------------------------------------

Run #	8	Line:	High Line	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	-----------	--------------------------	----	----------------	------

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.232	20.1	0.5	40.6	56.0	-15.4
3.192	19.3	0.5	39.8	56.0	-16.2
3.024	17.9	0.5	38.4	56.0	-17.6
3.248	16.9	0.5	37.4	56.0	-18.6
3.280	16.8	0.5	37.3	56.0	-18.7
3.368	16.6	0.5	37.1	56.0	-18.9
2.040	16.0	0.5	36.5	56.0	-19.5
2.968	15.9	0.5	36.4	56.0	-19.6
2.416	15.8	0.5	36.3	56.0	-19.7
3.080	15.5	0.5	36.0	56.0	-20.0
2.952	14.5	0.5	35.0	56.0	-21.0
0.742	14.1	0.7	34.8	56.0	-21.2
2.728	13.3	0.5	33.8	56.0	-22.2
2.744	13.3	0.5	33.8	56.0	-22.2
3.424	13.2	0.5	33.7	56.0	-22.3
2.008	13.0	0.5	33.5	56.0	-22.5
0.181	20.4	1.4	41.8	64.5	-22.7
2.840	12.7	0.5	33.2	56.0	-22.8
4.800	12.6	0.5	33.1	56.0	-22.9
2.904	12.5	0.5	33.0	56.0	-23.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.232	20.1	0.5	40.6	46.0	-5.4
3.192	19.3	0.5	39.8	46.0	-6.2
3.024	17.9	0.5	38.4	46.0	-7.6
3.248	16.9	0.5	37.4	46.0	-8.6
3.280	16.8	0.5	37.3	46.0	-8.7
3.368	16.6	0.5	37.1	46.0	-8.9
2.040	16.0	0.5	36.5	46.0	-9.5
2.968	15.9	0.5	36.4	46.0	-9.6
2.416	15.8	0.5	36.3	46.0	-9.7
3.080	15.5	0.5	36.0	46.0	-10.0
2.952	14.5	0.5	35.0	46.0	-11.0
0.742	14.1	0.7	34.8	46.0	-11.2
2.728	13.3	0.5	33.8	46.0	-12.2
2.744	13.3	0.5	33.8	46.0	-12.2
3.424	13.2	0.5	33.7	46.0	-12.3
2.008	13.0	0.5	33.5	46.0	-12.5
0.181	20.4	1.4	41.8	54.5	-12.7
2.840	12.7	0.5	33.2	46.0	-12.8
4.800	12.6	0.5	33.1	46.0	-12.9
2.904	12.5	0.5	33.0	46.0	-13.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmitting Power output set to 0x29, low channel
Transmitting, Power output set to 0x29, mid channel
Transmitting, Power output set to 0x29, high channel

POWER SETTINGS INVESTIGATED

Battery

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	25 GHz
-----------------	--------	----------------	--------

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4446A	AAT	12/7/2006	13
High Pass Filter	Micro-Tronics	HPM50111	HFO	12/29/2006	13
Antenna, Horn	EMCO	3160-09	AHG	NCR	0
Antenna, Horn	EMCO	3160-08	AHK	NCR	0
Pre-Amplifier	Miteq	AMF-4D-005180-24-10P	APC	5/10/2007	13
Antenna, Horn	EMCO	3115	AHC	8/24/2006	12
Pre-Amplifier	Miteq	AM-1616-1000	AOL	12/29/2006	13
Antenna, Biconilog	EMCO	3141	AXE	12/28/2005	24
EV01 cables c,g, h			EVA	12/29/2006	13
EV01 cables g,h,j			EVB	5/10/2007	13
EV01 Cable D			EVD	3/30/2006	15
EV01 cables g,h,l			EVF	5/10/2007	13
Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	3/23/2006	17

MEASUREMENT BANDWIDTHS

Frequency Range	Peak Data	Quasi-Peak Data	Average Data
(MHz)	(kHz)	(kHz)	(kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

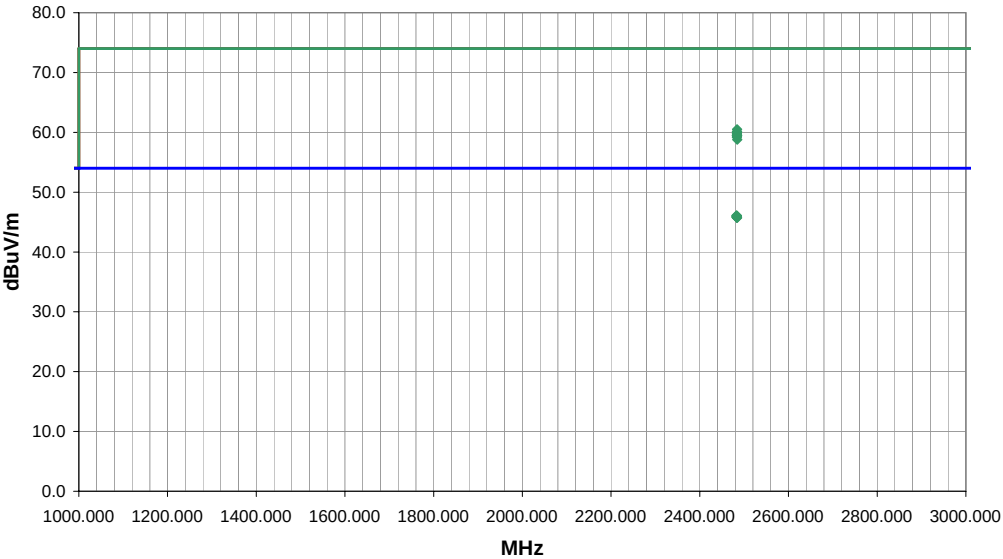
Measurements were made using the bandwidths and detectors specified. No video filter was used.

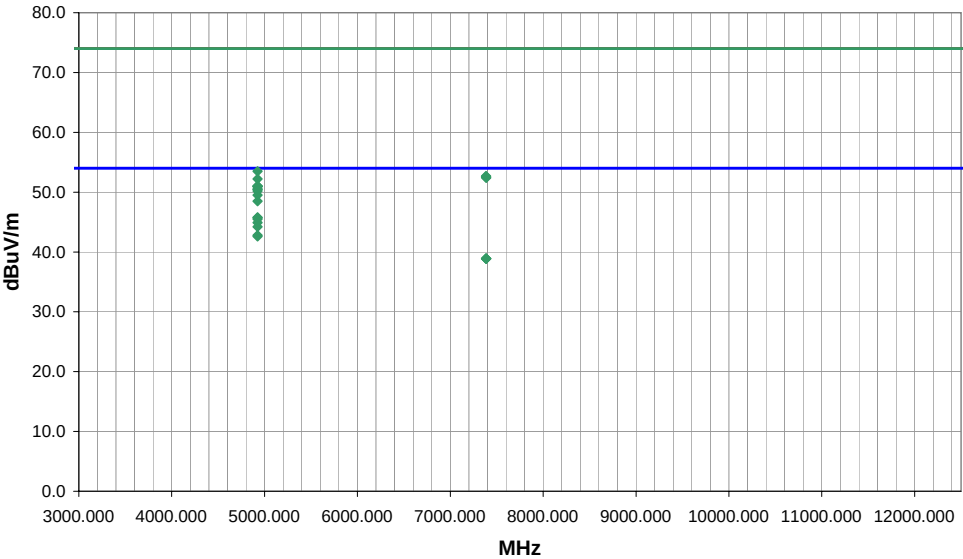
MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

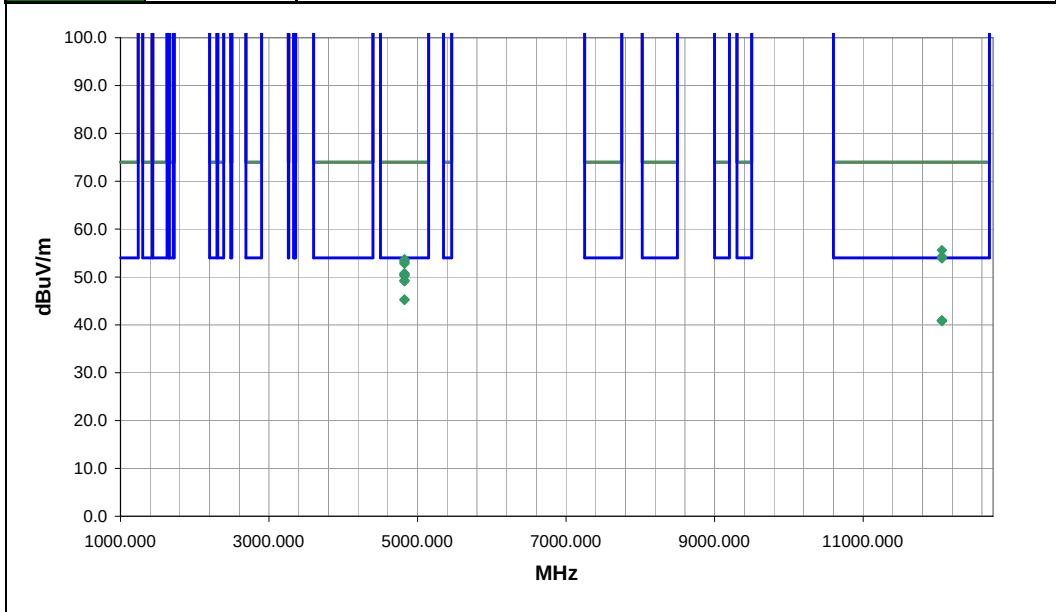
The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.4:2003). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

NORTHWEST EMC										RADIATED SPURIOUS EMISSIONS					PSA 2007.05.07 EMI 2006.12.20				
EUT: Regulatory Model #CRVSB-07BR										Work Order: HEWP0011									
Serial Number: Unit 35										Date: 05/24/07									
Customer: Hewlett-Packard Company										Temperature: 22									
Attendees: Peter Petersen										Humidity: 34%									
Project: None										Barometric Pres.: 30.12									
Tested by: Rod Peloquin					Power: Battery					Job Site: EV01									
TEST SPECIFICATIONS										Test Method									
FCC 15.247:2006 DTS										ANSI C63.4:2003, KDB No. 558074									
TEST PARAMETERS																			
Antenna Height(s) (m)					1 - 4					Test Distance (m)					3				
COMMENTS																			
Unterminated USB cable																			
EUT OPERATING MODES																			
Transmitting, Power output set to 0x29, high channel																			
DEVIATIONS FROM TEST STANDARD																			
No deviations.																			
Run #		2		 Signature															
Configuration #		1																	
Results		Pass																	
																			
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments						
2483.192	25.7	0.4	186.0	2.0	3.0	20.0	H-Horn	AV	0.0	46.1	54.0	-7.9	1 Mbps, EUT on its side						
2483.018	25.6	0.4	264.0	1.4	3.0	20.0	V-Horn	AV	0.0	46.0	54.0	-8.0	11 Mbps, EUT on side						
2483.403	25.6	0.4	181.0	2.0	3.0	20.0	H-Horn	AV	0.0	46.0	54.0	-8.0	1 Mbps, EUT horizontal						
2483.442	25.6	0.4	185.0	1.4	3.0	20.0	V-Horn	AV	0.0	46.0	54.0	-8.0	11 Mbps, EUT vertical						
2483.917	25.6	0.4	30.0	1.7	3.0	20.0	H-Horn	AV	0.0	46.0	54.0	-8.0	11 Mbps, EUT on side						
2483.603	25.5	0.4	40.0	1.1	3.0	20.0	V-Horn	AV	0.0	45.9	54.0	-8.1	11 Mbps, EUT horizontal						
2483.471	25.4	0.4	123.0	1.4	3.0	20.0	V-Horn	AV	0.0	45.8	54.0	-8.2	1 Mbps, EUT on its side						
2483.476	25.4	0.4	313.0	1.7	3.0	20.0	H-Horn	AV	0.0	45.8	54.0	-8.2	11 Mbps, EUT vertical						
2483.548	25.4	0.4	242.0	1.3	3.0	20.0	H-Horn	AV	0.0	45.8	54.0	-8.2	11 Mbps, EUT horizontal						
2484.093	25.3	0.4	188.0	1.4	3.0	20.0	V-Horn	AV	0.0	45.7	54.0	-8.3	1 Mbps, EUT horizontal						
2483.963	40.1	0.4	264.0	1.4	3.0	20.0	V-Horn	PK	0.0	60.5	74.0	-13.5	11 Mbps, EUT on side						
2483.643	39.7	0.4	313.0	1.7	3.0	20.0	H-Horn	PK	0.0	60.1	74.0	-13.9	11 Mbps, EUT vertical						
2484.028	39.7	0.4	30.0	1.7	3.0	20.0	H-Horn	PK	0.0	60.1	74.0	-13.9	11 Mbps, EUT on side						
2483.768	39.4	0.4	181.0	2.0	3.0	20.0	H-Horn	PK	0.0	59.8	74.0	-14.2	1 Mbps, EUT horizontal						
2483.683	39.1	0.4	185.0	1.4	3.0	20.0	V-Horn	PK	0.0	59.5	74.0	-14.5	11 Mbps, EUT vertical						
2483.838	39.1	0.4	40.0	1.1	3.0	20.0	V-Horn	PK	0.0	59.5	74.0	-14.5	11 Mbps, EUT horizontal						
2484.203	39.1	0.4	186.0	2.0	3.0	20.0	H-Horn	PK	0.0	59.5	74.0	-14.5	1 Mbps, EUT on its side						
2484.137	39.0	0.4	242.0	1.3	3.0	20.0	H-Horn	PK	0.0	59.4	74.0	-14.6	11 Mbps, EUT horizontal						
2483.922	38.8	0.4	123.0	1.4	3.0	20.0	V-Horn	PK	0.0	59.2	74.0	-14.8	1 Mbps, EUT on its side						
2484.437	38.4	0.4	188.0	1.4	3.0	20.0	V-Horn	PK	0.0	58.8	74.0	-15.2	1 Mbps, EUT horizontal						

EMC										RADIATED SPURIOUS EMISSIONS					PSA 2007.05.07 EMI 2006.12.20				
EUT: Regulatory Model #CRVSB-07BR										Work Order: HEWP0011									
Serial Number: Unit 35										Date: 05/24/07									
Customer: Hewlett-Packard Company										Temperature: 22									
Attendees: Peter Petersen										Humidity: 34%									
Project: None										Barometric Pres.: 30.12									
Tested by: Rod Peloquin					Power: Battery					Job Site: EV01									
TEST SPECIFICATIONS										Test Method									
FCC 15.247:2006 DTS										ANSI C63.4:2003, KDB No. 558074									
TEST PARAMETERS																			
Antenna Height(s) (m)					1 - 4					Test Distance (m)					3				
COMMENTS																			
Unterminated USB cable																			
EUT OPERATING MODES																			
Transmitting, Power output set to 0x29, high channel																			
DEVIATIONS FROM TEST STANDARD																			
No deviations.																			
Run #		3		 Signature															
Configuration #		1																	
Results		Pass																	
																			
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments						
4923.967	42.4	7.8	173.0	1.1	3.0	0.0	V-Horn	AV	0.0	50.2	54.0	-3.8	1 Mbps, EUT horizontal						
4923.960	40.7	7.8	326.0	1.2	3.0	0.0	H-Horn	AV	0.0	48.5	54.0	-5.5	1 Mbps, EUT horizontal						
4923.953	38.0	7.8	207.0	1.2	3.0	0.0	H-Horn	AV	0.0	45.8	54.0	-8.2	11 Mbps, EUT horizontal						
4923.967	37.9	7.8	322.0	1.0	3.0	0.0	H-Horn	AV	0.0	45.7	54.0	-8.3	1 Mbps, EUT on side						
4923.980	37.7	7.8	358.0	1.1	3.0	0.0	V-Horn	AV	0.0	45.5	54.0	-8.5	1 Mbps, EUT on side						
4923.963	37.1	7.8	172.0	1.1	3.0	0.0	V-Horn	AV	0.0	44.9	54.0	-9.1	11 Mbps, EUT horizontal						
4923.973	36.4	7.8	349.0	1.1	3.0	0.0	V-Horn	AV	0.0	44.2	54.0	-9.8	1 Mbps, EUT on side						
4923.970	35.0	7.8	346.0	1.2	3.0	0.0	H-Horn	AV	0.0	42.8	54.0	-11.2	1 Mbps, EUT on side						
4923.957	34.8	7.8	352.0	1.2	3.0	0.0	H-Horn	AV	0.0	42.6	54.0	-11.4	1 Mbps, EUT on side						
7384.343	24.6	14.3	125.0	1.0	3.0	0.0	V-Horn	AV	0.0	38.9	54.0	-15.1	1 Mbps, EUT horizontal						
7385.457	24.6	14.3	-2.0	2.0	3.0	0.0	H-Horn	AV	0.0	38.9	54.0	-15.1	11 Mbps, EUT horizontal						
7385.643	24.6	14.3	359.0	1.8	3.0	0.0	V-Horn	AV	0.0	38.9	54.0	-15.1	11 Mbps, EUT horizontal						
7386.260	24.6	14.3	284.0	1.6	3.0	0.0	H-Horn	AV	0.0	38.9	54.0	-15.1	1 Mbps, EUT horizontal						
4923.907	45.7	7.8	173.0	1.1	3.0	0.0	V-Horn	PK	0.0	53.5	74.0	-20.5	1 Mbps, EUT horizontal						
7385.137	38.4	14.3	359.0	1.8	3.0	0.0	V-Horn	PK	0.0	52.7	74.0	-21.3	11 Mbps, EUT horizontal						
7385.177	38.3	14.3	125.0	1.0	3.0	0.0	V-Horn	PK	0.0	52.6	74.0	-21.4	1 Mbps, EUT horizontal						
7385.130	38.2	14.3	-2.0	2.0	3.0	0.0	H-Horn	PK	0.0	52.5	74.0	-21.5	11 Mbps, EUT horizontal						
7386.770	38.1	14.3	284.0	1.6	3.0	0.0	H-Horn	PK	0.0	52.4	74.0	-21.6	1 Mbps, EUT horizontal						
4923.920	44.4	7.8	326.0	1.2	3.0	0.0	H-Horn	PK	0.0	52.2	74.0	-21.8	1 Mbps, EUT horizontal						
4923.690	43.2	7.8	172.0	1.1	3.0	0.0	V-Horn	PK	0.0	51.0	74.0	-23.0	11 Mbps, EUT horizontal						

NORTHWEST EMC										RADIATED SPURIOUS EMISSIONS					PSA 2007.05.07 EMI 2006.12.20				
EUT: Regulatory Model #CRVSB-07BR										Work Order: HEWP0011									
Serial Number: Unit 30										Date: 05/24/07									
Customer: Hewlett-Packard Company										Temperature: 22									
Attendees: Peter Petersen										Humidity: 34%									
Project: None										Barometric Pres.: 30.12									
Tested by: Rod Peloquin and Holly Ashkannejhad										Power: Battery					Job Site: EV01				
TEST SPECIFICATIONS										Test Method									
FCC 15.247:2006 DTS										ANSI C63.4:2003, KDB No. 558074									
TEST PARAMETERS																			
Antenna Height(s) (m)					1 - 4					Test Distance (m)					3				
COMMENTS																			
Unterminated USB cable																			
EUT OPERATING MODES																			
Transmitting, Power output set to 0x29, mid channel																			
DEVIATIONS FROM TEST STANDARD																			
No deviations.																			
Run #		4		Signature <i>Holly Ashkannejhad</i>															
Configuration #		1																	
Results		Pass																	
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments						
4873.980	42.9	7.6	263.0	1.4	3.0	0.0	H-Horn	AV	0.0	50.5	54.0	-3.5	11 Mbps, EUT horizontal						
4873.948	42.4	7.6	320.0	1.0	3.0	0.0	V-Horn	AV	0.0	50.0	54.0	-4.0	11 Mbps, EUT on side						
4873.988	41.7	7.6	303.0	1.0	3.0	0.0	V-Horn	AV	0.0	49.3	54.0	-4.7	1 Mbps, EUT on side						
4873.971	41.6	7.6	322.0	1.0	3.0	0.0	V-Horn	AV	0.0	49.2	54.0	-4.8	11 Mbps, EUT horizontal						
4873.968	41.0	7.6	329.0	1.1	3.0	0.0	V-Horn	AV	0.0	48.6	54.0	-5.4	1 Mbps, EUT horizontal						
4873.970	40.8	7.6	269.0	1.2	3.0	0.0	H-Horn	AV	0.0	48.4	54.0	-5.6	1 Mbps, EUT horizontal						
4873.977	39.9	7.6	-1.0	1.3	3.0	0.0	H-Horn	AV	0.0	47.5	54.0	-6.5	11 Mbps, EUT on side						
4873.973	39.6	7.6	4.0	1.3	3.0	0.0	H-Horn	AV	0.0	47.2	54.0	-6.8	1 Mbps, EUT on side						
7311.993	24.7	13.8	210.0	1.3	3.0	0.0	H-Horn	AV	0.0	38.5	54.0	-15.5	1 Mbps, EUT horizontal						
7312.177	24.6	13.8	89.0	1.0	3.0	0.0	V-Horn	AV	0.0	38.4	54.0	-15.6	1 Mbps, EUT horizontal						
4873.937	46.1	7.6	263.0	1.4	3.0	0.0	H-Horn	PK	0.0	53.7	74.0	-20.3	11 Mbps, EUT horizontal						
4873.948	45.8	7.6	320.0	1.0	3.0	0.0	V-Horn	PK	0.0	53.4	74.0	-20.6	11 Mbps, EUT on side						
4873.874	45.7	7.6	303.0	1.0	3.0	0.0	V-Horn	PK	0.0	53.3	74.0	-20.7	1 Mbps, EUT on side						
4873.864	45.6	7.6	322.0	1.0	3.0	0.0	V-Horn	PK	0.0	53.2	74.0	-20.8	11 Mbps, EUT horizontal						
4873.764	45.3	7.6	329.0	1.1	3.0	0.0	V-Horn	PK	0.0	52.9	74.0	-21.1	1 Mbps, EUT horizontal						
4874.077	45.3	7.6	269.0	1.2	3.0	0.0	H-Horn	PK	0.0	52.9	74.0	-21.1	1 Mbps, EUT horizontal						
4873.917	44.3	7.6	4.0	1.3	3.0	0.0	H-Horn	PK	0.0	51.9	74.0	-22.1	1 Mbps, EUT on side						
7311.480	37.9	13.8	89.0	1.0	3.0	0.0	V-Horn	PK	0.0	51.7	74.0	-22.3	1 Mbps, EUT horizontal						
4874.013	44.1	7.6	-1.0	1.3	3.0	0.0	H-Horn	PK	0.0	51.7	74.0	-22.3	11 Mbps, EUT on side						
7311.263	37.8	13.8	210.0	1.3	3.0	0.0	H-Horn	PK	0.0	51.6	74.0	-22.4	1 Mbps, EUT horizontal						

NORTHWEST		RADIATED SPURIOUS EMISSIONS		PSA 2007.05.07 EMI 2006.12.20	
EMC					
EUT: Regulatory Model #CRVSB-07BR				Work Order: HEWP0011	
Serial Number: Unit 30				Date: 05/24/07	
Customer: Hewlett-Packard Company				Temperature: 22	
Attendees: Peter Petersen				Humidity: 34%	
Project: None				Barometric Pres.: 30.12	
Tested by: Holly Ashkannejhad				Power: Battery	
				Job Site: EV01	
TEST SPECIFICATIONS				Test Method	
FCC 15.247:2006 DTS				ANSI C63.4:2003, KDB No. 558074	
TEST PARAMETERS					
Antenna Height(s) (m)		1 - 4		Test Distance (m) 3	
COMMENTS					
Unterminated USB cable					
EUT OPERATING MODES					
Transmitting Power output set to 0x29, low channel					
DEVIATIONS FROM TEST STANDARD					
No deviations.					
Run #		5		Signature <i>Holly Ashkannejhad</i>	
Configuration #		1			
Results		Pass			



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
4823.937	43.3	7.5	181.0	1.1	3.0	0.0	H-Horn	AV	0.0	50.8	54.0	-3.2	1Mbps, EUT horizontal
4823.963	42.8	7.5	312.0	1.0	3.0	0.0	V-Horn	AV	0.0	50.3	54.0	-3.7	1Mbps, EUT on side
4823.970	42.8	7.5	262.0	1.1	3.0	0.0	H-Horn	AV	0.0	50.3	54.0	-3.7	11Mbps, EUT horizontal
4823.953	41.8	7.5	308.0	1.0	3.0	0.0	V-Horn	AV	0.0	49.3	54.0	-4.7	1Mbps, EUT horizontal
4823.953	41.7	7.5	317.0	1.2	3.0	0.0	V-Horn	AV	0.0	49.2	54.0	-4.8	11Mbps, EUT horizontal
4823.970	41.6	7.5	158.0	1.1	3.0	0.0	H-Horn	AV	0.0	49.1	54.0	-4.9	11Mbps, EUT on side
4823.962	37.8	7.5	146.0	1.0	3.0	0.0	V-Horn	AV	0.0	45.3	54.0	-8.7	11Mbps, EUT on side
4823.847	37.7	7.5	130.0	1.0	3.0	0.0	H-Horn	AV	0.0	45.2	54.0	-8.8	1Mbps, EUT on side
12060.000	24.7	16.2	235.0	1.0	3.0	0.0	H-Horn	AV	0.0	40.9	54.0	-13.1	1Mbps, EUT horizontal
12060.740	24.7	16.2	146.0	1.0	3.0	0.0	H-Horn	AV	0.0	40.9	54.0	-13.1	11Mbps, EUT on side
12060.790	24.7	16.2	144.0	1.0	3.0	0.0	V-Horn	AV	0.0	40.9	54.0	-13.1	11Mbps, EUT on side
12059.840	24.6	16.2	110.0	1.4	3.0	0.0	V-Horn	AV	0.0	40.8	54.0	-13.2	1Mbps, EUT horizontal
12059.750	39.4	16.2	110.0	1.4	3.0	0.0	V-Horn	PK	0.0	55.6	74.0	-18.4	1Mbps, EUT horizontal
12059.940	38.1	16.2	146.0	1.0	3.0	0.0	H-Horn	PK	0.0	54.3	74.0	-19.7	11Mbps, EUT on side
12059.840	37.8	16.2	144.0	1.0	3.0	0.0	V-Horn	PK	0.0	54.0	74.0	-20.0	11Mbps, EUT on side
12060.090	37.7	16.2	235.0	1.0	3.0	0.0	H-Horn	PK	0.0	53.9	74.0	-20.1	1Mbps, EUT horizontal
4824.020	46.2	7.5	262.0	1.1	3.0	0.0	H-Horn	PK	0.0	53.7	74.0	-20.3	11Mbps, EUT horizontal
4823.942	46.1	7.5	181.0	1.1	3.0	0.0	H-Horn	PK	0.0	53.6	74.0	-20.4	1Mbps, EUT horizontal
4823.995	46.1	7.5	312.0	1.0	3.0	0.0	V-Horn	PK	0.0	53.6	74.0	-20.4	1Mbps, EUT on side
4823.888	45.7	7.5	317.0	1.2	3.0	0.0	V-Horn	PK	0.0	53.2	74.0	-20.8	11Mbps, EUT horizontal

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmitting high channel, 11Mbps. Charging mode.
 Transmitting mid channel, 11Mbps. Charging mode.
 Transmitting low channel, 11Mbps. Charging mode.

POWER SETTINGS INVESTIGATED

120V/60Hz

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
LISN	Solar	9252-50-R-24-BNC	LIQ	12/20/2006	13
Receiver	Rohde & Schwartz	ESCI	ARG	12/7/2006	13
High Pass Filter	TTE	H97-100K-50-720B	HFX	8/22/2006	13
Attenuator	Tektronix	011-0059-02	ATC	12/27/2006	13

MEASUREMENT BANDWIDTHS

	Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

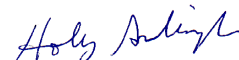
MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50 Ω .

EMC**AC Powerline Conducted Emissions**

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
		Tested by: Holly Ashkannejhad		
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Transmitting high channel, 11Mbps. Charging mode.			
Deviations:				
Comments:				

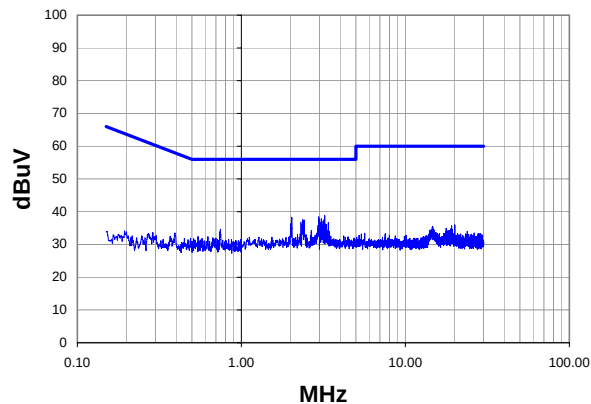
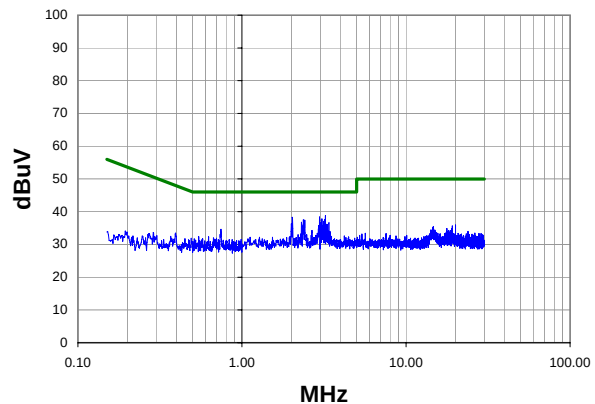
Test Specifications

FCC 15.207:2006

Test Method

ANSI C63.4:2003

Run #	1	Line:	High Line	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	-----------	--------------------------	----	----------------	------

Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

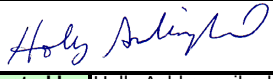
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.224	18.3	0.5	38.8	56.0	-17.2
2.968	17.9	0.5	38.4	56.0	-17.6
2.024	17.8	0.5	38.3	56.0	-17.7
3.072	17.3	0.5	37.8	56.0	-18.2
2.368	17.0	0.5	37.5	56.0	-18.5
3.192	17.0	0.5	37.5	56.0	-18.5
2.416	16.9	0.5	37.4	56.0	-18.6
3.152	16.6	0.5	37.1	56.0	-18.9
2.304	16.3	0.5	36.8	56.0	-19.2
3.000	16.2	0.5	36.7	56.0	-19.3
3.392	16.2	0.5	36.7	56.0	-19.3
2.000	15.8	0.5	36.3	56.0	-19.7
3.248	15.7	0.5	36.2	56.0	-19.8
3.304	15.6	0.5	36.1	56.0	-19.9
2.936	15.2	0.5	35.7	56.0	-20.3
3.032	15.1	0.5	35.6	56.0	-20.4
3.112	14.5	0.5	35.0	56.0	-21.0
0.745	14.0	0.7	34.7	56.0	-21.3
2.672	13.8	0.5	34.3	56.0	-21.7
3.352	13.6	0.5	34.1	56.0	-21.9

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.224	18.3	0.5	38.8	46.0	-7.2
2.968	17.9	0.5	38.4	46.0	-7.6
2.024	17.8	0.5	38.3	46.0	-7.7
3.072	17.3	0.5	37.8	46.0	-8.2
2.368	17.0	0.5	37.5	46.0	-8.5
3.192	17.0	0.5	37.5	46.0	-8.5
2.416	16.9	0.5	37.4	46.0	-8.6
3.152	16.6	0.5	37.1	46.0	-8.9
2.304	16.3	0.5	36.8	46.0	-9.2
3.000	16.2	0.5	36.7	46.0	-9.3
3.392	16.2	0.5	36.7	46.0	-9.3
2.000	15.8	0.5	36.3	46.0	-9.7
3.248	15.7	0.5	36.2	46.0	-9.8
3.304	15.6	0.5	36.1	46.0	-9.9
2.936	15.2	0.5	35.7	46.0	-10.3
3.032	15.1	0.5	35.6	46.0	-10.4
3.112	14.5	0.5	35.0	46.0	-11.0
0.745	14.0	0.7	34.7	46.0	-11.3
2.672	13.8	0.5	34.3	46.0	-11.7
3.352	13.6	0.5	34.1	46.0	-11.9

EMC

AC Powerline Conducted Emissions

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
Tested by:				Holly Ashkannejhad
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Transmitting high channel, 11Mbps. Charging mode.			
Deviations:				
Comments:				

Test Specifications

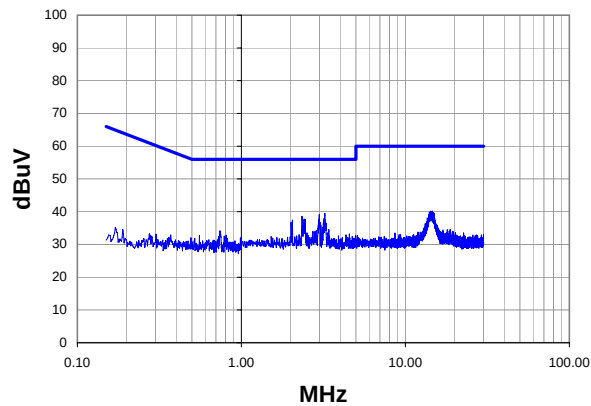
FCC 15.207:2006

Test Method

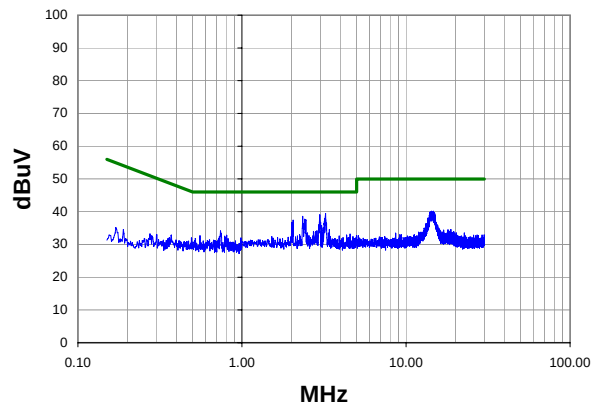
ANSI C63.4:2003

Run #	2	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
-------	---	-------	---------	-------------------	----	---------	------

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



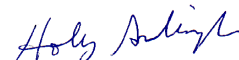
Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.232	19.0	0.5	39.5	56.0	-16.5
2.984	18.6	0.5	39.1	56.0	-16.9
2.344	18.1	0.5	38.6	56.0	-17.4
3.192	17.4	0.5	37.9	56.0	-18.1
2.416	17.2	0.5	37.7	56.0	-18.3
2.448	17.1	0.5	37.6	56.0	-18.4
2.048	16.9	0.5	37.4	56.0	-18.6
2.008	16.2	0.5	36.7	56.0	-19.3
14.280	19.7	0.5	40.2	60.0	-19.8
3.056	15.3	0.5	35.8	56.0	-20.2
14.960	19.0	0.5	39.5	60.0	-20.5
3.128	14.6	0.5	35.1	56.0	-20.9
3.408	14.0	0.5	34.5	56.0	-21.5
2.864	13.7	0.5	34.2	56.0	-21.8
0.740	13.5	0.7	34.2	56.0	-21.8
13.610	17.6	0.5	38.1	60.0	-21.9
2.728	13.5	0.5	34.0	56.0	-22.0
2.808	13.4	0.5	33.9	56.0	-22.1
2.824	13.3	0.5	33.8	56.0	-22.2
2.512	13.0	0.5	33.5	56.0	-22.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.232	19.0	0.5	39.5	46.0	-6.5
2.984	18.6	0.5	39.1	46.0	-6.9
2.344	18.1	0.5	38.6	46.0	-7.4
3.192	17.4	0.5	37.9	46.0	-8.1
2.416	17.2	0.5	37.7	46.0	-8.3
2.448	17.1	0.5	37.6	46.0	-8.4
2.048	16.9	0.5	37.4	46.0	-8.6
2.008	16.2	0.5	36.7	46.0	-9.3
14.280	19.7	0.5	40.2	50.0	-9.8
3.056	15.3	0.5	35.8	46.0	-10.2
14.960	19.0	0.5	39.5	50.0	-10.5
3.128	14.6	0.5	35.1	46.0	-10.9
3.408	14.0	0.5	34.5	46.0	-11.5
2.864	13.7	0.5	34.2	46.0	-11.8
0.740	13.5	0.7	34.2	46.0	-11.8
13.610	17.6	0.5	38.1	50.0	-11.9
2.728	13.5	0.5	34.0	46.0	-12.0
2.808	13.4	0.5	33.9	46.0	-12.1
2.824	13.3	0.5	33.8	46.0	-12.2
2.512	13.0	0.5	33.5	46.0	-12.5

EMC**AC Powerline Conducted Emissions**

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
		Tested by: Holly Ashkannejhad		
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Transmitting mid channel, 11Mbps. Charging mode.			
Deviations:				
Comments:				

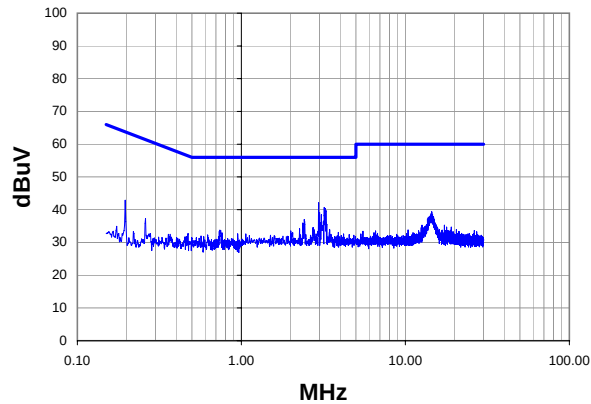
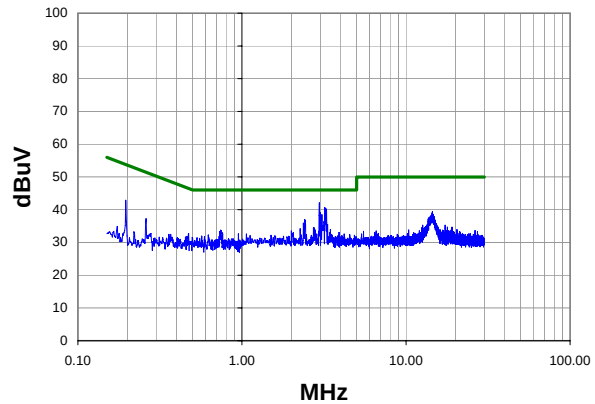
Test Specifications

FCC 15.207:2006

Test Method

ANSI C63.4:2003

Run #	3	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	---------	--------------------------	----	----------------	------

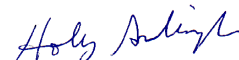
Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
2.960	21.6	0.5	42.1	56.0	-13.9
3.200	20.2	0.5	40.7	56.0	-15.3
3.232	19.9	0.5	40.4	56.0	-15.6
3.280	19.2	0.5	39.7	56.0	-16.3
3.000	18.7	0.5	39.2	56.0	-16.8
3.072	18.0	0.5	38.5	56.0	-17.5
2.984	16.6	0.5	37.1	56.0	-18.9
2.416	16.5	0.5	37.0	56.0	-19.0
3.040	15.5	0.5	36.0	56.0	-20.0
2.368	15.4	0.5	35.9	56.0	-20.1
3.320	15.0	0.5	35.5	56.0	-20.5
14.500	18.9	0.5	39.4	60.0	-20.6
0.196	21.8	1.1	42.9	63.8	-20.9
2.728	14.0	0.5	34.5	56.0	-21.5
2.264	13.7	0.5	34.2	56.0	-21.8
3.456	13.4	0.5	33.9	56.0	-22.1
2.792	13.3	0.5	33.8	56.0	-22.2
0.740	13.1	0.7	33.8	56.0	-22.2
2.000	13.0	0.5	33.5	56.0	-22.5
13.640	16.7	0.5	37.2	60.0	-22.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
2.960	21.6	0.5	42.1	46.0	-3.9
3.200	20.2	0.5	40.7	46.0	-5.3
3.232	19.9	0.5	40.4	46.0	-5.6
3.280	19.2	0.5	39.7	46.0	-6.3
3.000	18.7	0.5	39.2	46.0	-6.8
3.072	18.0	0.5	38.5	46.0	-7.5
2.984	16.6	0.5	37.1	46.0	-8.9
2.416	16.5	0.5	37.0	46.0	-9.0
3.040	15.5	0.5	36.0	46.0	-10.0
2.368	15.4	0.5	35.9	46.0	-10.1
3.320	15.0	0.5	35.5	46.0	-10.5
14.500	18.9	0.5	39.4	50.0	-10.6
0.196	21.8	1.1	42.9	53.8	-10.9
2.728	14.0	0.5	34.5	46.0	-11.5
2.264	13.7	0.5	34.2	46.0	-11.8
3.456	13.4	0.5	33.9	46.0	-12.1
2.792	13.3	0.5	33.8	46.0	-12.2
0.740	13.1	0.7	33.8	46.0	-12.2
2.000	13.0	0.5	33.5	46.0	-12.5
13.640	16.7	0.5	37.2	50.0	-12.8

EMC**AC Powerline Conducted Emissions**

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
		Tested by: Holly Ashkannejhad		
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Transmitting mid channel, 11Mbps. Charging mode.			
Deviations:				
Comments:				

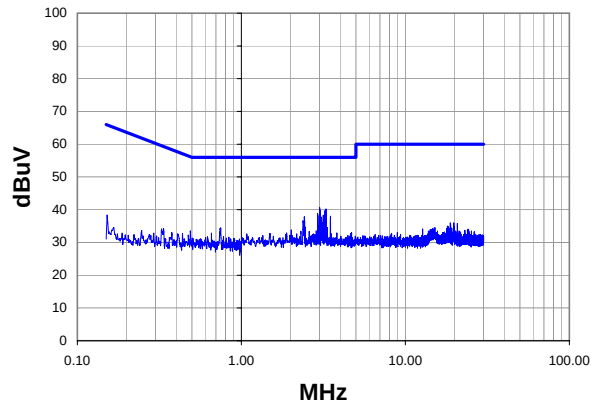
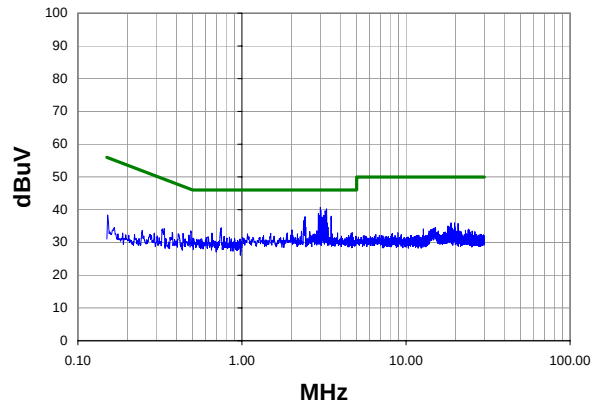
Test Specifications

FCC 15.207:2006

Test Method

ANSI C63.4:2003

Run #	4	Line:	High Line	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	-----------	--------------------------	----	----------------	------

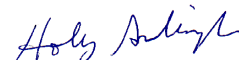
Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.000	20.2	0.5	40.7	56.0	-15.3
3.280	19.7	0.5	40.2	56.0	-15.8
3.024	19.3	0.5	39.8	56.0	-16.2
3.216	19.1	0.5	39.6	56.0	-16.4
3.264	19.1	0.5	39.6	56.0	-16.4
2.920	18.3	0.5	38.8	56.0	-17.2
3.160	17.8	0.5	38.3	56.0	-17.7
2.984	17.7	0.5	38.2	56.0	-17.8
3.496	17.5	0.5	38.0	56.0	-18.0
2.424	17.3	0.5	37.8	56.0	-18.2
3.240	17.3	0.5	37.8	56.0	-18.2
3.080	17.2	0.5	37.7	56.0	-18.3
2.376	16.1	0.5	36.6	56.0	-19.4
3.136	15.6	0.5	36.1	56.0	-19.9
3.304	15.4	0.5	35.9	56.0	-20.1
2.448	14.2	0.5	34.7	56.0	-21.3
3.112	14.2	0.5	34.7	56.0	-21.3
2.968	14.1	0.5	34.6	56.0	-21.4
3.344	14.1	0.5	34.6	56.0	-21.4
0.748	13.8	0.7	34.5	56.0	-21.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.000	20.2	0.5	40.7	46.0	-5.3
3.280	19.7	0.5	40.2	46.0	-5.8
3.024	19.3	0.5	39.8	46.0	-6.2
3.216	19.1	0.5	39.6	46.0	-6.4
3.264	19.1	0.5	39.6	46.0	-6.4
2.920	18.3	0.5	38.8	46.0	-7.2
3.160	17.8	0.5	38.3	46.0	-7.7
2.984	17.7	0.5	38.2	46.0	-7.8
3.496	17.5	0.5	38.0	46.0	-8.0
2.424	17.3	0.5	37.8	46.0	-8.2
3.240	17.3	0.5	37.8	46.0	-8.2
3.080	17.2	0.5	37.7	46.0	-8.3
2.376	16.1	0.5	36.6	46.0	-9.4
3.136	15.6	0.5	36.1	46.0	-9.9
3.304	15.4	0.5	35.9	46.0	-10.1
2.448	14.2	0.5	34.7	46.0	-11.3
3.112	14.2	0.5	34.7	46.0	-11.3
2.968	14.1	0.5	34.6	46.0	-11.4
3.344	14.1	0.5	34.6	46.0	-11.4
0.748	13.8	0.7	34.5	46.0	-11.5

EMC**AC Powerline Conducted Emissions**

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
		Tested by: Holly Ashkannejhad		
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Transmitting low channel, 11Mbps. Charging mode.			
Deviations:				
Comments:				

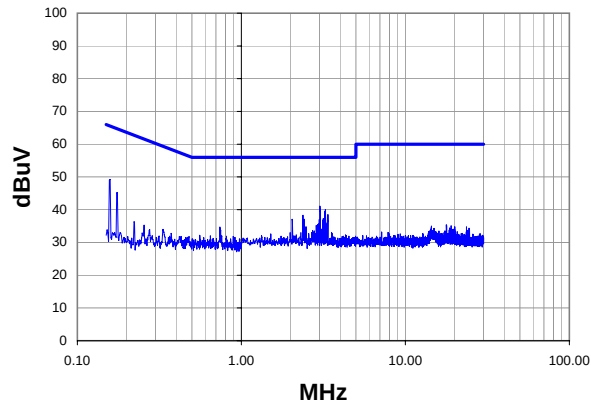
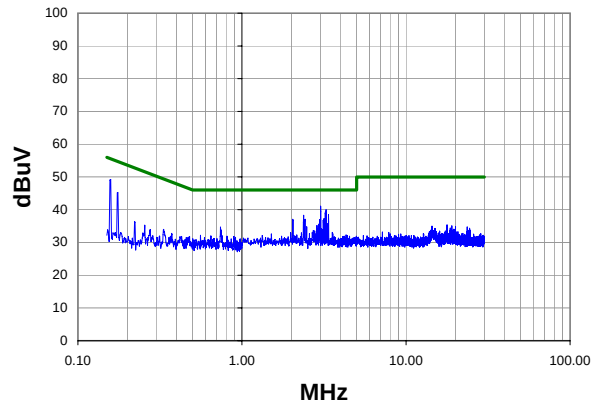
Test Specifications

FCC 15.207:2006

Test Method

ANSI C63.4:2003

Run #	5	Line:	High Line	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	-----------	--------------------------	----	----------------	------

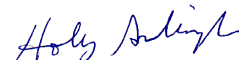
Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.016	20.6	0.5	41.1	56.0	-14.9
3.256	19.5	0.5	40.0	56.0	-16.0
0.159	27.4	1.8	49.2	65.5	-16.3
3.224	18.9	0.5	39.4	56.0	-16.6
3.368	18.0	0.5	38.5	56.0	-17.5
2.376	17.8	0.5	38.3	56.0	-17.7
3.160	16.8	0.5	37.3	56.0	-18.7
2.040	16.6	0.5	37.1	56.0	-18.9
2.424	16.6	0.5	37.1	56.0	-18.9
2.984	16.5	0.5	37.0	56.0	-19.0
3.128	16.3	0.5	36.8	56.0	-19.2
3.192	16.1	0.5	36.6	56.0	-19.4
0.176	23.7	1.5	45.2	64.7	-19.5
3.328	15.3	0.5	35.8	56.0	-20.2
2.952	15.1	0.5	35.6	56.0	-20.4
2.928	15.0	0.5	35.5	56.0	-20.5
2.864	14.7	0.5	35.2	56.0	-20.8
2.480	14.3	0.5	34.8	56.0	-21.2
0.740	14.0	0.7	34.7	56.0	-21.3
2.896	13.8	0.5	34.3	56.0	-21.7

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.016	20.6	0.5	41.1	46.0	-4.9
3.256	19.5	0.5	40.0	46.0	-6.0
0.159	27.4	1.8	49.2	55.5	-6.3
3.224	18.9	0.5	39.4	46.0	-6.6
3.368	18.0	0.5	38.5	46.0	-7.5
2.376	17.8	0.5	38.3	46.0	-7.7
3.160	16.8	0.5	37.3	46.0	-8.7
2.040	16.6	0.5	37.1	46.0	-8.9
2.424	16.6	0.5	37.1	46.0	-8.9
2.984	16.5	0.5	37.0	46.0	-9.0
3.128	16.3	0.5	36.8	46.0	-9.2
3.192	16.1	0.5	36.6	46.0	-9.4
0.176	23.7	1.5	45.2	54.7	-9.5
3.328	15.3	0.5	35.8	46.0	-10.2
2.952	15.1	0.5	35.6	46.0	-10.4
2.928	15.0	0.5	35.5	46.0	-10.5
2.864	14.7	0.5	35.2	46.0	-10.8
2.480	14.3	0.5	34.8	46.0	-11.2
0.740	14.0	0.7	34.7	46.0	-11.3
2.896	13.8	0.5	34.3	46.0	-11.7

EMC**AC Powerline Conducted Emissions**

Work Order:	HEWP0011	Date:	05/23/07	
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	33	
Serial Number:	Unit 34	Barometric Pres.:	30.2	
		Tested by: Holly Ashkannejhad		
EUT:	Regulatory Model #CRVSB-07BR			
Configuration:	2			
Customer:	Hewlett-Packard Company			
Attendees:	Peter Petersen			
EUT Power:	120V/60Hz			
Operating Mode:	Transmitting low channel, 11Mbps. Charging mode.			
Deviations:				
Comments:				

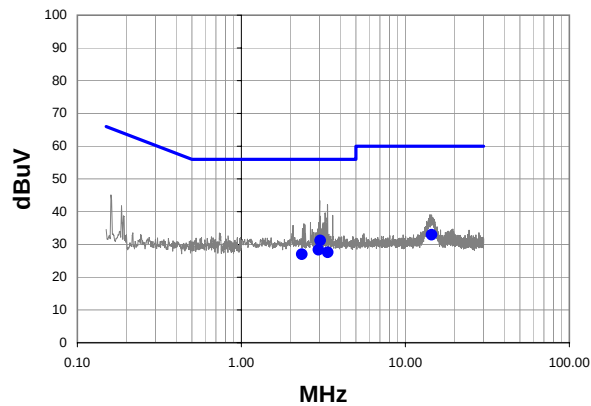
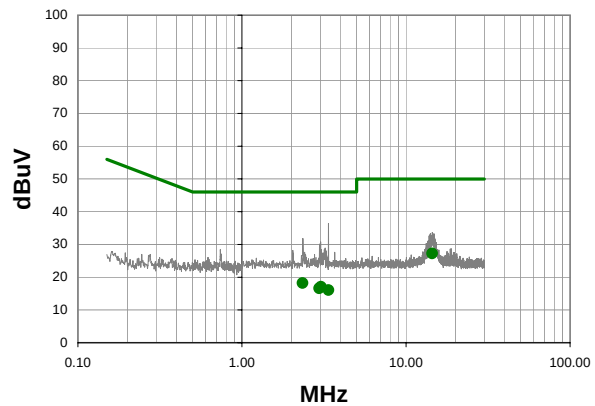
Test Specifications

FCC 15.207:2006

Test Method

ANSI C63.4:2003

Run #	6	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
--------------	---	--------------	---------	--------------------------	----	----------------	------

Quasi Peak Data - vs - Quasi Peak Limit**Average Data - vs - Average Limit****Quasi Peak Data - vs - Quasi Peak Limit**

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
3.028	10.7	0.5	31.2	56.0	-24.8
14.442	12.5	0.5	33.0	60.0	-27.0
2.956	7.9	0.5	28.4	56.0	-27.6
3.364	7.1	0.5	27.6	56.0	-28.4
2.340	6.5	0.5	27.0	56.0	-29.0

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
14.442	6.8	0.5	27.3	50.0	-22.7
2.340	-2.3	0.5	18.2	46.0	-27.8
3.028	-3.4	0.5	17.1	46.0	-28.9
2.956	-3.9	0.5	16.6	46.0	-29.4
3.364	-4.4	0.5	16.1	46.0	-29.9