Bayer Healthcare LLC

Bayer CGMM01 Monitor

(Bald Eagle ACMU)

FCC 15.249:2012

FCC 15.207:2012

Report #: BAYE0008

Report Prepared By Northwest EMC Inc.

NORTHWEST EMC – (888) 364-2378 – www.nwemc.com
California – Minnesota – Oregon – New York – Washington

CERTIFICATE OF TEST

Last Date of Test: September 25, 2012
Bayer Healthcare LLC
Model: Bayer CGMM01 Monitor
(Bald Eagle ACMU)

Emissions

Test Description	Specification	Test Method	Pass/Fail
Field Strength of Fundamental	FCC 15.249:2012	ANSI C63.10:2009	Pass
Field Strength of Harmonics	FCC 15.249:2012	ANSI C63.10:2009	Pass
AC Powerline Conducted Emissions	FCC 15.207:2012	ANSI C63.10:2009	Pass

Deviations From Test Standards

None

Approved By:

Tim O'Shea, Operations Manager

NVLAP Lab Code: 200630-0

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 (Site filing #2834D-1).

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 HISTORY

REV 2012.08.02

Revision Number	Description	Date	Page Number
00	None		

Barometric Pressure

The recorded barometric pressure has been normalized to sea level.

NORTHWEST EMC

REV 2012.05.24

ACCREDITATIONS AND AUTHORIZATIONS

United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Accredited by A2LA to ISO / IEC Guide 65 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

IC - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

European Union

European Commission – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

KCC / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Hong Kong

OFTA – Recognized by OFTA as a CAB for the acceptance of test data.

Vietnam

MIC – Recognized by MIC as a CAB for the acceptance of test data.

Russia

GOST – Accredited by Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC to perform EMC and Hygienic testing for Information Technology products to GOST standards.

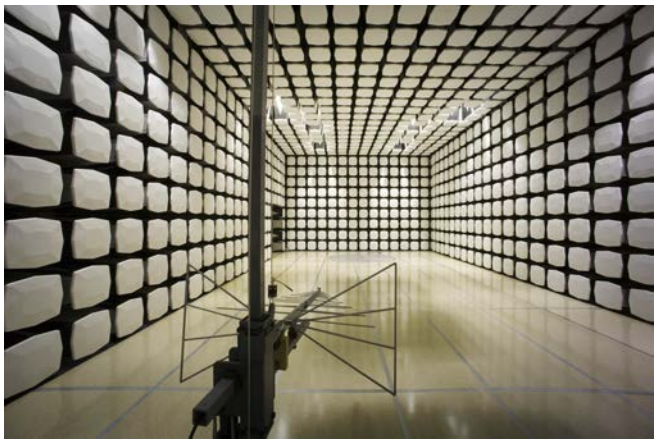
SCOPE

For details on the Scopes of our Accreditations, please visit:
http://www.nwemc.com/accreditations/

NORTHWEST EMC
REV 2012.08.03

LOCATIONS

Oregon Labs EV01-EV12 22975 NW Evergreen Pkwy, #400 Hillsboro, OR 97124 (503) 844-4066	**California** Labs OC01-OC13 41 Tesla Irvine, CA 92618 (949) 861-8918	**New York** Labs WA01-WA04 4939 Jordan Rd. Elbridge, NY 13060 (315) 685-0796	**Minnesota** Labs MN01-MN08 9349 W Broadway Ave. Brooklyn Park, MN 55445 (763) 425-2281	**Washington** Labs SU01-SU07 14128 339th Ave. SE Sultan, WA 98294 (360) 793-8675
VCCI				
A-0108	A-0029		A-0109	A-0110
Industry Canada				
2834D-1, 2834D-*2*	2834B-1, 2834B-2, 2834B-3		2834E-1	2834C-1



PRODUCT DESCRIPTION

Client and Equipment Under Test (EUT) Information

Company Name:	Bayer Healthcare LLC
Address:	27700 SW 95th Avenue
City, State, Zip:	Wilsonville, OR 97070
Test Requested By:	Bob Bruce
Model:	Bayer CGMM01 Monitor (Bald Eagle ACMU)
First Date of Test:	September 18, 2012
Last Date of Test:	September 25, 2012
Receipt Date of Samples:	September 18, 2012
Equipment Design Stage:	Prototype
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):
Radio transceiver operating in the 2.4 GHz band. The transceiver is contained in a body-worn sensor device (RSA) providing digitized glucose levels to a remote handheld monitor (ACMU).

Testing Objective:
Seeking TCB authorization under 15.249

CONFIGURATIONS

Configuration BAYE0008- 1

Software/Firmware Running during test	
Description	**Version**
ACMU RF Test Software	bald-RF-EV13-PRT(Bayer).dfu

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
ACMU Monitor	Bayer Healthcare LLC	CGMM01 Monitor	PP00475
ACMU Monitor	Bayer Healthcare LLC	CGMM01 Monitor	PP00473

Configuration BAYE0008- 2

Software/Firmware Running during test	
Description	**Version**
ACMU RF Test Software	bald-RF-EV13-PRT(Bayer).dfu

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
ACMU Monitor	Bayer Healthcare LLC	CGMM01 Monitor	PP00473

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
DC Power Supply	Dell	DA90PS-00	CN-0XD757-48661-6BI-MCKA
Laptop Computer	Dell	Inspiron 6000	DZ88H81

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
AC Power	No	1.8m	No	DC Power Supply	AC Mains
DC Power	No	1.8m	Yes	DC Power Supply	Laptop Computer
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

MODIFICATIONS

WTD 12.5.23

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	9/18/2012	Field Strength of Fundamental	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	9/21/2012	Field Strength of Harmonics	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	9/25/2012	AC Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

DUTY CYCLE

TEST DESCRIPTION

The Duty Cycle (x) were measured for each of the EUT operating modes. The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum. The duty cycle was measured radiated in the RF chamber.

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

The EUT operates at 100% Duty Cycle.

FIELD STRENGTH OF FUNDEMENTAL

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. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Transmitting modulated signal at 100% duty cycle

POWER SETTINGS INVESTIGATED

Internal Battery

CONFIGURATIONS INVESTIGATED

BAYE0008 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency	2400 MHz	Stop Frequency	2483.5 MHz

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
EV01 Cables	N/A	Double Ridge Horn Cables	EVB	6/27/2012	12 mo
Pre-Amplifier	Miteq	AMF-4D-010100-24-10P	APW	6/27/2012	12 mo
Antenna, Horn	ETS	3115	AIZ	1/24/2011	24 mo
Spectrum Analyzer	Agilent	E4446A	AAQ	2/7/2012	12 mo

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

MEASUREMENT UNCERTAINTY

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

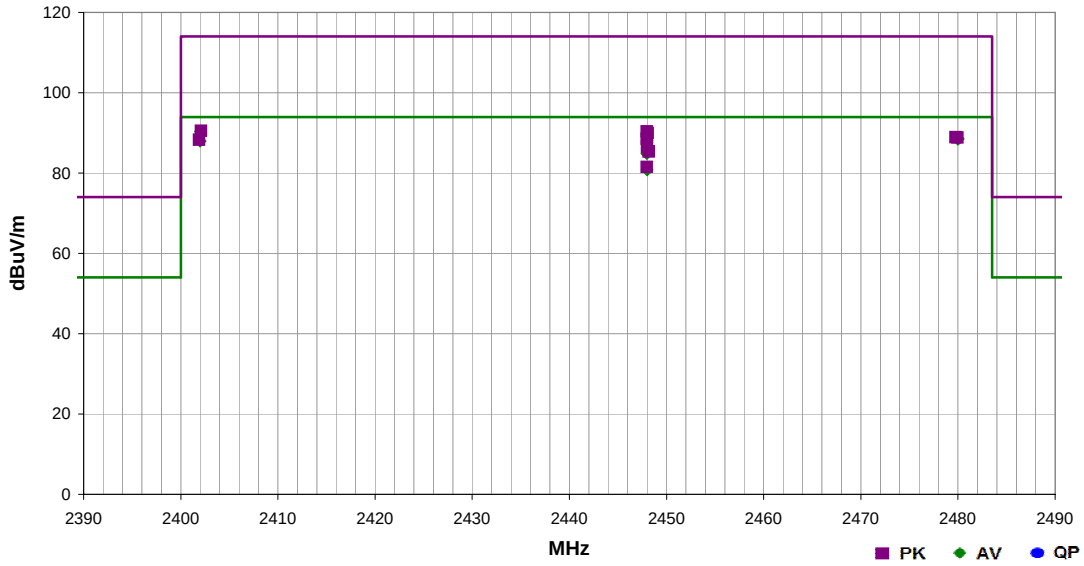
The antennas to be used with the EUT were tested. The EUT was transmitting and while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT and EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009).

FIELD STRENGTH OF FUNDEMENTAL

Work Order:	BAYE0008	**Date:**	09/18/12		
Project:	None	**Temperature:**	23.7 °C		
Job Site:	EV01	**Humidity:**	37% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1016 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	1				
Customer:	Bayer Healthcare LLC				
Attendees:	Bob Bruce				
EUT Power:	Internal Battery				
Operating Mode:	Transmitting modulated signal at 100% duty cycle				
Deviations:	None				
Comments:	None				

Test Specifications	**Test Method**
FCC 15.249:2011	ANSI C63.10:2009

Run #	2	**Test Distance (m)**	3	**Antenna Height(s)**	1-4m	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2402.013	68.8	1.5	1.0	-2.0	3.0	20.0	Horz	AV	0.0	90.3	94.0	-3.6	EUT On Side, Low Ch (2402MHz)
2447.993	68.3	1.7	1.4	356.0	3.0	20.0	Horz	AV	0.0	90.0	94.0	-4.0	EUT On Side, Mid Ch (2448MHz)
2448.000	67.9	1.7	1.0	338.0	3.0	20.0	Horz	AV	0.0	89.6	94.0	-4.4	EUT Horiz, Mid Ch (2448MHz)
2480.013	66.7	1.8	1.3	39.0	3.0	20.0	Vert	AV	0.0	88.5	94.0	-5.4	EUT Vert, High Ch (2480MHz)
2480.000	66.6	1.8	1.0	340.0	3.0	20.0	Horz	AV	0.0	88.4	94.0	-5.5	EUT On Side, High Ch (2480MHz)
2448.020	66.5	1.7	1.0	49.0	3.0	20.0	Vert	AV	0.0	88.2	94.0	-5.8	EUT Vert, Mid Ch (2448MHz)
2402.000	66.4	1.5	1.0	16.0	3.0	20.0	Vert	AV	0.0	87.9	94.0	-6.0	EUT Vert, Low Ch (2402MHz)
2448.007	64.4	1.7	1.0	316.0	3.0	20.0	Vert	AV	0.0	86.1	94.0	-7.9	EUT On Side, Mid Ch (2448MHz)
2447.987	63.1	1.7	1.1	94.0	3.0	20.0	Vert	AV	0.0	84.8	94.0	-9.2	EUT Horiz, Mid Ch (2448MHz)
2448.013	59.1	1.7	1.0	-1.0	3.0	20.0	Horz	AV	0.0	80.8	94.0	-13.2	EUT Vert, Mid Ch (2448MHz)
2402.073	69.0	1.5	1.0	-2.0	3.0	20.0	Horz	PK	0.0	90.5	114.0	-23.5	EUT On Side, Low Ch (2402MHz)
2447.967	68.6	1.7	1.4	356.0	3.0	20.0	Horz	PK	0.0	90.3	114.0	-23.7	EUT On Side, Mid Ch (2448MHz)
2448.060	68.2	1.7	1.0	338.0	3.0	20.0	Horz	PK	0.0	89.9	114.0	-24.1	EUT Horiz, Mid Ch (2448MHz)
2479.753	67.1	1.8	1.3	39.0	3.0	20.0	Vert	PK	0.0	88.9	114.0	-25.1	EUT Vert, High Ch (2480MHz)
2479.940	67.0	1.8	1.0	340.0	3.0	20.0	Horz	PK	0.0	88.8	114.0	-25.2	EUT On Side, High Ch (2480MHz)
2447.980	66.8	1.7	1.0	49.0	3.0	20.0	Vert	PK	0.0	88.5	114.0	-25.5	EUT Vert, Mid Ch (2448MHz)
2401.893	66.7	1.5	1.0	16.0	3.0	20.0	Vert	PK	0.0	88.2	114.0	-25.8	EUT Vert, Low Ch (2402MHz)
2448.007	64.8	1.7	1.0	316.0	3.0	20.0	Vert	PK	0.0	86.5	114.0	-27.5	EUT On Side, Mid Ch (2448MHz)
2448.160	63.6	1.7	1.1	94.0	3.0	20.0	Vert	PK	0.0	85.3	114.0	-28.7	EUT Horiz, Mid Ch (2448MHz)
2447.987	59.8	1.7	1.0	-1.0	3.0	20.0	Horz	PK	0.0	81.5	114.0	-32.5	EUT Vert, Mid Ch (2448MHz)

FIELD STRENGTH OF HARMONICS

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. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Transmitting modulated signal at 100% duty cycle

POWER SETTINGS INVESTIGATED

Internal Battery

CONFIGURATIONS INVESTIGATED

BAYE0008 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	26.5 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
Cable	ESM Cable Corp.	KMKM-72	EVY	9/11/2012	12 mo
Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AVU	9/11/2012	12 mo
Antenna, Horn	ETS Lindgren	3160-09	AIV	NCR	0 mo
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVD	2/28/2012	12 mo
Antenna, Horn	ETS	3160-08	AHV	NCR	0 mo
EV01 Cables	N/A	Standard Gain Horns Cables	EVF	2/28/2012	12 mo
Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVC	2/28/2012	12 mo
Antenna, Horn	ETS	3160-07	AHU	NCR	0 mo
EV01 Cables	N/A	Double Ridge Horn Cables	EVB	6/27/2012	12 mo
Pre-Amplifier	Miteq	AMF-4D-010100-24-10P	APW	6/27/2012	12 mo
Antenna, Horn	ETS	3115	AIZ	1/24/2011	24 mo
EV01 Cables	N/A	Bilog Cables	EVA	6/26/2012	12 mo
Spectrum Analyzer	Agilent	E4446A	AAQ	2/7/2012	12 mo

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

MEASUREMENT UNCERTAINTY

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

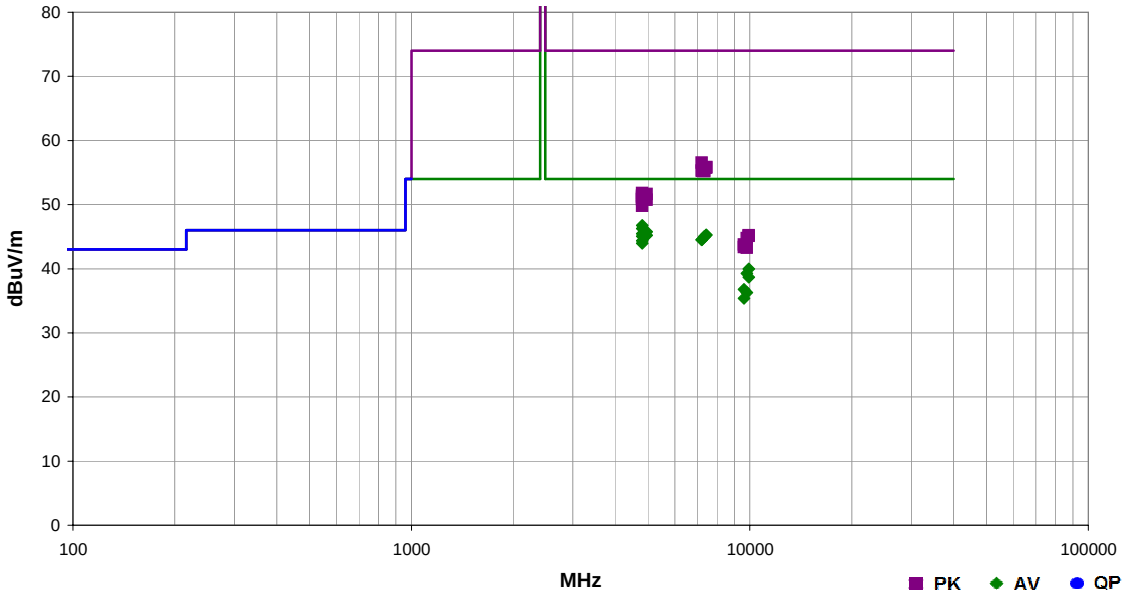
The antennas to be used with the EUT were tested. The EUT was transmitting and receiving while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

FIELD STRENGTH OF HARMONICS

Work Order:	BAYE0008	**Date:**	09/18/12		
Project:	None	**Temperature:**	23.7 °C		
Job Site:	EV01	**Humidity:**	37% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1016 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	1				
Customer:	Bayer Healthcare LLC				
Attendees:	Bob Bruce				
EUT Power:	Internal Battery				
Operating Mode:	Transmitting modulated signal at 100% duty cycle				
Deviations:	None				
Comments:	None				

Test Specifications	**Test Method**
FCC 15.249:2011	ANSI C63.10:2009

Run #	14	**Test Distance (m)**	3	**Antenna Height(s)**	1-4m	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4804.020	36.6	10.2	1.1	344.0	3.0	0.0	Horz	AV	0.0	46.8	54.0	-7.2	Low CH (2402MHz), EUT On Side
4803.993	36.1	10.2	1.0	30.0	3.0	0.0	Vert	AV	0.0	46.3	54.0	-7.7	Low CH (2402MHz), EUT Vertical
4896.000	35.3	10.5	1.0	342.0	3.0	0.0	Horz	AV	0.0	45.8	54.0	-8.2	Mid CH (2448MHz), EUT On Side
4959.973	35.0	10.7	1.0	340.0	3.0	0.0	Horz	AV	0.0	45.7	54.0	-8.3	High CH (2480MHz), EUT On Side
4895.993	35.0	10.5	1.2	209.0	3.0	0.0	Vert	AV	0.0	45.5	54.0	-8.5	Mid CH (2448MHz), EUT Vertical
4804.067	35.3	10.2	1.0	331.0	3.0	0.0	Horz	AV	0.0	45.5	54.0	-8.5	Low CH (2402MHz), EUT Vertical
7439.407	25.8	19.5	1.0	352.0	3.0	0.0	Vert	AV	0.0	45.3	54.0	-8.7	High CH (2480MHz), EUT Vertical
7438.073	25.8	19.5	1.0	158.0	3.0	0.0	Horz	AV	0.0	45.3	54.0	-8.7	High CH (2480MHz), EUT On Side
4960.007	34.5	10.7	1.0	19.0	3.0	0.0	Vert	AV	0.0	45.2	54.0	-8.8	High CH (2480MHz), EUT Vertical
4804.040	34.9	10.2	1.0	197.0	3.0	0.0	Vert	AV	0.0	45.1	54.0	-8.9	Low CH (2402MHz), EUT Horizontal
7343.247	25.9	19.1	1.1	33.0	3.0	0.0	Horz	AV	0.0	45.0	54.0	-9.0	Mid CH (2448MHz), EUT On Side
7342.193	25.9	19.1	1.0	90.0	3.0	0.0	Vert	AV	0.0	45.0	54.0	-9.0	Mid CH (2448MHz), EUT Vertical
7205.960	26.2	18.3	1.0	359.0	3.0	0.0	Vert	AV	0.0	44.5	54.0	-9.5	Low CH (2402MHz), EUT Vertical
7205.267	26.2	18.3	1.7	74.0	3.0	0.0	Horz	AV	0.0	44.5	54.0	-9.5	Low CH (2402MHz), EUT On Side
4804.053	34.2	10.2	1.0	156.0	3.0	0.0	Horz	AV	0.0	44.4	54.0	-9.6	Low CH (2402MHz), EUT Horizontal
4804.040	33.8	10.2	1.0	191.0	3.0	0.0	Vert	AV	0.0	44.0	54.0	-10.0	Low CH (2402MHz), EUT On Side
9920.087	51.9	-11.9	1.0	308.0	3.0	0.0	Horz	AV	0.0	40.0	54.0	-14.0	High CH (2480MHz), EUT On Side
9792.053	51.3	-12.0	1.1	228.0	3.0	0.0	Horz	AV	0.0	39.3	54.0	-14.7	Mid CH (2448MHz), EUT On Side
9920.060	50.6	-11.9	1.5	54.0	3.0	0.0	Vert	AV	0.0	38.7	54.0	-15.3	High CH (2480MHz), EUT Vertical
9608.047	49.0	-12.2	1.1	317.0	3.0	0.0	Horz	AV	0.0	36.8	54.0	-17.2	Low CH (2402MHz), EUT On Side
7207.893	38.2	18.3	1.0	359.0	3.0	0.0	Vert	PK	0.0	56.5	74.0	-17.5	Low CH (2402MHz), EUT Vertical
9791.973	48.3	-12.0	1.0	75.0	3.0	0.0	Vert	AV	0.0	36.3	54.0	-17.7	Mid CH (2448MHz), EUT Vertical
7440.100	36.4	19.5	1.0	352.0	3.0	0.0	Vert	PK	0.0	55.9	74.0	-18.1	High CH (2480MHz), EUT Vertical
7438.707	36.3	19.5	1.0	158.0	3.0	0.0	Horz	PK	0.0	55.8	74.0	-18.2	High CH (2480MHz), EUT On Side
9607.980	47.6	-12.2	1.3	57.0	3.0	0.0	Vert	AV	0.0	35.4	54.0	-18.6	Low CH (2402MHz), EUT Vertical
7207.080	37.0	18.3	1.7	74.0	3.0	0.0	Horz	PK	0.0	55.3	74.0	-18.7	Low CH (2402MHz), EUT On Side
7343.033	36.2	19.1	1.0	90.0	3.0	0.0	Vert	PK	0.0	55.3	74.0	-18.7	Mid CH (2448MHz), EUT Vertical
7342.373	36.1	19.1	1.1	33.0	3.0	0.0	Horz	PK	0.0	55.2	74.0	-18.8	Mid CH (2448MHz), EUT On Side

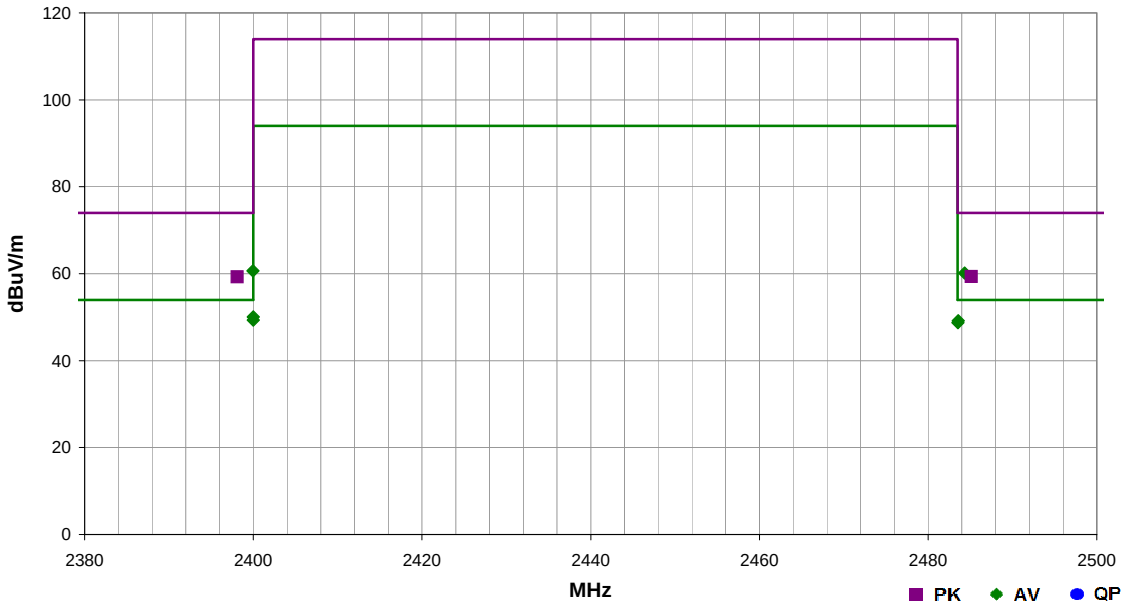
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4804.193	41.6	10.2	1.1	344.0	3.0	0.0	Horz	PK	0.0	51.8	74.0	-22.2	Low CH (2402MHz), EUT On Side
4959.780	40.9	10.7	1.0	340.0	3.0	0.0	Horz	PK	0.0	51.6	74.0	-22.4	High CH (2480MHz), EUT On Side
4804.167	41.2	10.2	1.0	30.0	3.0	0.0	Vert	PK	0.0	51.4	74.0	-22.6	Low CH (2402MHz), EUT Vertical
4895.727	40.7	10.5	1.0	342.0	3.0	0.0	Horz	PK	0.0	51.2	74.0	-22.8	Mid CH (2448MHz), EUT On Side
4804.000	41.0	10.2	1.0	331.0	3.0	0.0	Horz	PK	0.0	51.2	74.0	-22.8	Low CH (2402MHz), EUT Vertical
4803.840	40.7	10.2	1.0	197.0	3.0	0.0	Vert	PK	0.0	50.9	74.0	-23.1	Low CH (2402MHz), EUT Horizontal
4895.647	40.3	10.5	1.2	209.0	3.0	0.0	Vert	PK	0.0	50.8	74.0	-23.2	Mid CH (2448MHz), EUT Vertical
4803.740	40.6	10.2	1.0	156.0	3.0	0.0	Horz	PK	0.0	50.8	74.0	-23.2	Low CH (2402MHz), EUT Horizontal
4959.747	40.0	10.7	1.0	19.0	3.0	0.0	Vert	PK	0.0	50.7	74.0	-23.3	High CH (2480MHz), EUT Vertical
4804.013	39.6	10.2	1.0	191.0	3.0	0.0	Vert	PK	0.0	49.8	74.0	-24.2	Low CH (2402MHz), EUT On Side
9920.807	57.1	-11.9	1.0	308.0	3.0	0.0	Horz	PK	0.0	45.2	74.0	-28.8	High CH (2480MHz), EUT On Side
9920.073	57.0	-11.9	1.5	54.0	3.0	0.0	Vert	PK	0.0	45.1	74.0	-28.9	High CH (2480MHz), EUT Vertical
9792.233	56.8	-12.0	1.1	228.0	3.0	0.0	Horz	PK	0.0	44.8	74.0	-29.2	Mid CH (2448MHz), EUT On Side
9608.513	56.0	-12.2	1.1	317.0	3.0	0.0	Horz	PK	0.0	43.8	74.0	-30.2	Low CH (2402MHz), EUT On Side
9607.907	55.6	-12.2	1.3	57.0	3.0	0.0	Vert	PK	0.0	43.4	74.0	-30.6	Low CH (2402MHz), EUT Vertical
9791.087	55.3	-12.0	1.0	75.0	3.0	0.0	Vert	PK	0.0	43.3	74.0	-30.7	Mid CH (2448MHz), EUT Vertical

FIELD STRENGTH OF HARMONICS

Work Order:	BAYE0008	**Date:**	09/21/12		
Project:	None	**Temperature:**	23.4 °C		
Job Site:	EV01	**Humidity:**	45% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1020.5 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	1				
Customer:	Bayer Healthcare LLC				
Attendees:	Bob Bruce				
EUT Power:	Internal Battery				
Operating Mode:	Transmitting modulated signal at 100% duty cycle				
Deviations:	None				
Comments:	None				

Test Specifications	**Test Method**
FCC 15.249:2011	ANSI C63.10:2009

Run #	16	**Test Distance (m)**	3	**Antenna Height(s)**	1-4m	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2399.997	28.5	1.5	1.0	301.0	3.0	20.0	Horz	AV	0.0	50.0	54.0	-4.0	Low CH (2402MHz), EUT On Side
2399.997	27.8	1.5	1.1	46.0	3.0	20.0	Vert	AV	0.0	49.3	54.0	-4.7	Low CH (2402MHz), EUT Vertical
2483.583	27.3	1.9	1.0	307.0	3.0	20.0	Horz	AV	0.0	49.2	54.0	-4.8	High CH (2480MHz), EUT On Side
2483.540	26.9	1.9	1.0	12.0	3.0	20.0	Vert	AV	0.0	48.8	54.0	-5.2	High CH (2480MHz), EUT Vertical
2399.960	39.1	1.5	1.0	301.0	3.0	20.0	Horz	PK	0.0	60.6	74.0	-13.4	Low CH (2402MHz), EUT On Side
2484.327	38.3	1.9	1.0	307.0	3.0	20.0	Horz	PK	0.0	60.2	74.0	-13.8	High CH (2480MHz), EUT On Side
2485.127	37.5	1.9	1.0	12.0	3.0	20.0	Vert	PK	0.0	59.4	74.0	-14.6	High CH (2480MHz), EUT Vertical
2398.113	37.7	1.5	1.1	46.0	3.0	20.0	Vert	PK	0.0	59.2	74.0	-14.8	Low CH (2402MHz), EUT Vertical

AC POWERLINE CONDUCTED EMISSIONS

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 modulated signal at 100% duty cycle, high channel (2480MHz)
Transmitting modulated signal at 100% duty cycle, mid channel (2448MHz)
Transmitting modulated signal at 100% duty cycle, low channel (2402MHz)

POWER SETTINGS INVESTIGATED

USB

CONFIGURATIONS INVESTIGATED

BAYE0008 - 2

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	LIR	11/4/2011	12 mo
Receiver	Rohde & Schwarz	ESCI	ARH	3/29/2012	12 mo
High Pass Filter	TTE	H97-100K-50-720B	HHD	2/1/2012	24 mo
Attenuator	Coaxicom	66702 2910-20	RBR	8/7/2012	12 mo
EV07 Cables	N/A	Conducted Cables	EVG	4/27/2012	12 mo

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

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

The EUT will be powered either directly or indirectly from the AC power line. Therefore, conducted emissions measurements were made on the AC input of the EUT, or on the AC input of the device used to power the EUT. The AC power line conducted emissions were measured with the EUT operating at the lowest, the highest, and a middle channel in the operational band. The EUT was transmitting at its maximum data rate. For each mode, the spectrum was scanned from 150 kHz to 30 MHz. The test setup and procedures were in accordance with ANSI C63.10-2009.

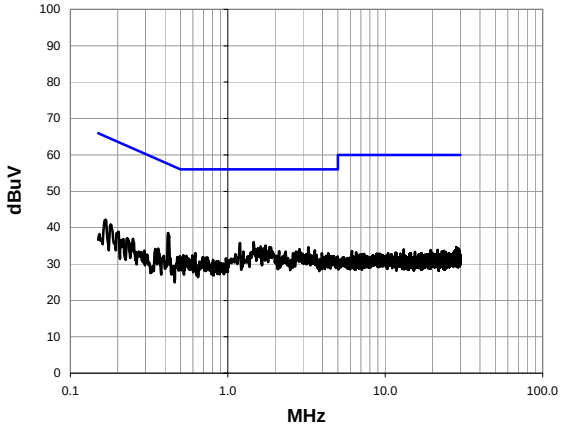
AC POWERLINE CONDUCTED EMISSIONS

Work Order:	BAYE0008	**Date:**	09/25/12		
Project:	None	**Temperature:**	23.8 °C		
Job Site:	EV07	**Humidity:**	40% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1020.2 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	2				
Customer:	Bayer Healthcare LLC				
Attendees:	None				
EUT Power:	USB				
Operating Mode:	Transmitting modulated signal at 100% duty cycle, low channel (2402MHz)				
Deviations:	None				
Comments:	None				

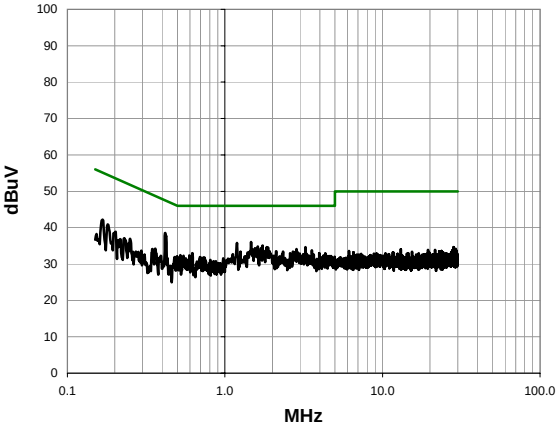
Test Specifications	**Test Method**
FCC 15.207:2012	ANSI C63.10:2009

Run #	3	**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)
0.417	18.2	20.3	38.5	57.5	-19.0
1.464	15.6	20.4	36.0	56.0	-20.0
1.192	15.4	20.4	35.8	56.0	-20.2
1.736	14.6	20.5	35.1	56.0	-20.9
1.616	14.4	20.4	34.8	56.0	-21.2
1.840	14.2	20.5	34.7	56.0	-21.3
3.248	14.1	20.5	34.6	56.0	-21.4
1.696	13.9	20.4	34.3	56.0	-21.7
2.848	13.6	20.5	34.1	56.0	-21.9
3.568	13.2	20.6	33.8	56.0	-22.2
2.120	13.0	20.5	33.5	56.0	-22.5
1.256	13.0	20.4	33.4	56.0	-22.6
2.336	12.9	20.5	33.4	56.0	-22.6
0.167	21.9	20.4	42.3	65.1	-22.9
0.623	12.7	20.3	33.0	56.0	-23.0
2.592	12.5	20.5	33.0	56.0	-23.0
3.968	12.4	20.6	33.0	56.0	-23.0
4.344	12.3	20.6	32.9	56.0	-23.1
0.522	12.2	20.3	32.5	56.0	-23.5
0.181	20.6	20.3	40.9	64.5	-23.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.417	18.2	20.3	38.5	47.5	-9.0
1.464	15.6	20.4	36.0	46.0	-10.0
1.192	15.4	20.4	35.8	46.0	-10.2
1.736	14.6	20.5	35.1	46.0	-10.9
1.616	14.4	20.4	34.8	46.0	-11.2
1.840	14.2	20.5	34.7	46.0	-11.3
3.248	14.1	20.5	34.6	46.0	-11.4
1.696	13.9	20.4	34.3	46.0	-11.7
2.848	13.6	20.5	34.1	46.0	-11.9
3.568	13.2	20.6	33.8	46.0	-12.2
2.120	13.0	20.5	33.5	46.0	-12.5
1.256	13.0	20.4	33.4	46.0	-12.6
2.336	12.9	20.5	33.4	46.0	-12.6
0.167	21.9	20.4	42.3	55.1	-12.9
0.623	12.7	20.3	33.0	46.0	-13.0
2.592	12.5	20.5	33.0	46.0	-13.0
3.968	12.4	20.6	33.0	46.0	-13.0
4.344	12.3	20.6	32.9	46.0	-13.1
0.522	12.2	20.3	32.5	46.0	-13.5
0.181	20.6	20.3	40.9	54.5	-13.5

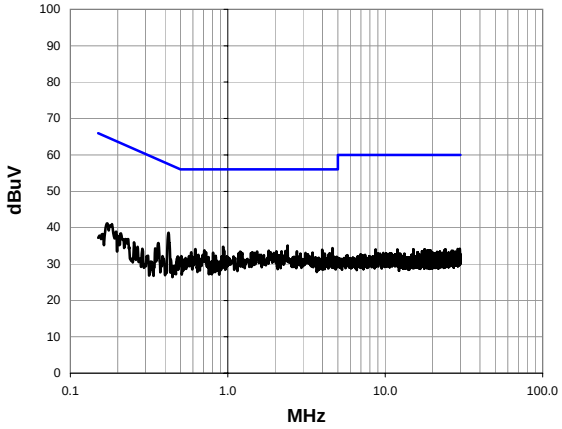
AC POWERLINE CONDUCTED EMISSIONS

Work Order:	BAYE0008	**Date:**	09/25/12		
Project:	None	**Temperature:**	23.8 °C		
Job Site:	EV07	**Humidity:**	40% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1020.2 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	2				
Customer:	Bayer Healthcare LLC				
Attendees:	None				
EUT Power:	USB				
Operating Mode:	Transmitting modulated signal at 100% duty cycle, low channel (2402MHz)				
Deviations:	None				
Comments:	None				

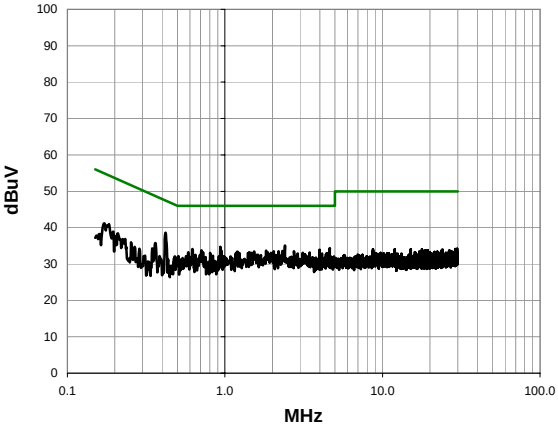
Test Specifications	**Test Method**
FCC 15.207:2012	ANSI C63.10:2009

Run #	4	**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)
0.420	18.3	20.3	38.6	57.4	-18.9
2.400	14.6	20.5	35.1	56.0	-20.9
0.935	14.4	20.4	34.8	56.0	-21.2
4.624	13.7	20.7	34.4	56.0	-21.6
0.623	13.8	20.3	34.1	56.0	-21.9
3.984	13.4	20.6	34.0	56.0	-22.0
0.709	13.4	20.3	33.7	56.0	-22.3
0.949	13.3	20.4	33.7	56.0	-22.3
1.824	13.2	20.5	33.7	56.0	-22.3
2.744	13.0	20.5	33.5	56.0	-22.5
2.192	13.0	20.5	33.5	56.0	-22.5
2.040	13.0	20.5	33.5	56.0	-22.5
1.536	13.0	20.4	33.4	56.0	-22.6
1.200	13.0	20.4	33.4	56.0	-22.6
1.432	12.8	20.4	33.2	56.0	-22.8
0.585	12.9	20.3	33.2	56.0	-22.8
1.216	12.8	20.4	33.2	56.0	-22.8
3.456	12.6	20.6	33.2	56.0	-22.8
0.363	15.5	20.3	35.8	58.7	-22.9
0.806	12.7	20.3	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)
0.420	18.3	20.3	38.6	47.4	-8.9
2.400	14.6	20.5	35.1	46.0	-10.9
0.935	14.4	20.4	34.8	46.0	-11.2
4.624	13.7	20.7	34.4	46.0	-11.6
0.623	13.8	20.3	34.1	46.0	-11.9
3.984	13.4	20.6	34.0	46.0	-12.0
0.709	13.4	20.3	33.7	46.0	-12.3
0.949	13.3	20.4	33.7	46.0	-12.3
1.824	13.2	20.5	33.7	46.0	-12.3
2.744	13.0	20.5	33.5	46.0	-12.5
2.192	13.0	20.5	33.5	46.0	-12.5
2.040	13.0	20.5	33.5	46.0	-12.5
1.536	13.0	20.4	33.4	46.0	-12.6
1.200	13.0	20.4	33.4	46.0	-12.6
1.432	12.8	20.4	33.2	46.0	-12.8
0.585	12.9	20.3	33.2	46.0	-12.8
1.216	12.8	20.4	33.2	46.0	-12.8
3.456	12.6	20.6	33.2	46.0	-12.8
0.363	15.5	20.3	35.8	48.7	-12.9
0.806	12.7	20.3	33.0	46.0	-13.0

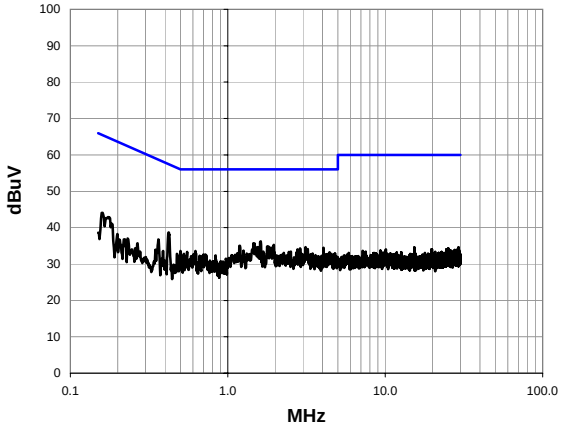
AC POWERLINE CONDUCTED EMISSIONS

Work Order:	BAYE0008	**Date:**	09/25/12		
Project:	None	**Temperature:**	23.8 °C		
Job Site:	EV07	**Humidity:**	40% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1020.2 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	2				
Customer:	Bayer Healthcare LLC				
Attendees:	None				
EUT Power:	USB				
Operating Mode:	Transmitting modulated signal at 100% duty cycle, mid channel (2448MHz)				
Deviations:	None				
Comments:	None				

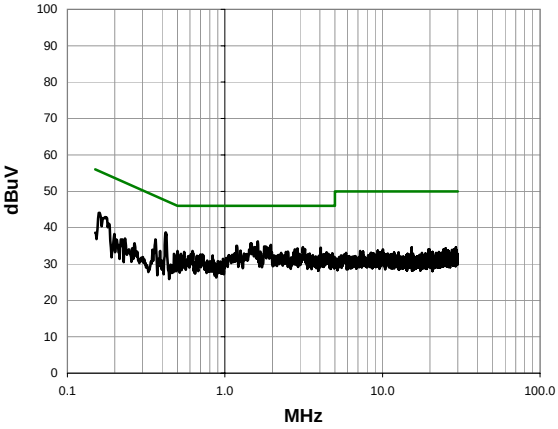
Test Specifications	**Test Method**
FCC 15.207:2012	ANSI C63.10:2009

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)
0.420	18.4	20.3	38.7	57.4	-18.8
1.616	15.8	20.4	36.2	56.0	-19.8
1.456	15.3	20.4	35.7	56.0	-20.3
1.960	14.8	20.5	35.3	56.0	-20.7
1.184	14.6	20.4	35.0	56.0	-21.0
1.816	14.4	20.5	34.9	56.0	-21.1
3.120	14.1	20.5	34.6	56.0	-21.4
1.848	14.1	20.5	34.6	56.0	-21.4
0.159	23.7	20.4	44.1	65.5	-21.5
4.056	13.9	20.6	34.5	56.0	-21.5
2.880	13.8	20.5	34.3	56.0	-21.7
3.216	13.6	20.5	34.1	56.0	-21.9
0.363	16.5	20.3	36.8	58.7	-21.9
2.776	13.5	20.5	34.0	56.0	-22.0
1.256	13.3	20.4	33.7	56.0	-22.3
0.623	13.3	20.3	33.6	56.0	-22.4
0.500	13.3	20.3	33.6	56.0	-22.4
1.680	13.0	20.4	33.4	56.0	-22.6
2.512	12.9	20.5	33.4	56.0	-22.6
2.440	12.8	20.5	33.3	56.0	-22.7

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.420	18.4	20.3	38.7	47.4	-8.8
1.616	15.8	20.4	36.2	46.0	-9.8
1.456	15.3	20.4	35.7	46.0	-10.3
1.960	14.8	20.5	35.3	46.0	-10.7
1.184	14.6	20.4	35.0	46.0	-11.0
1.816	14.4	20.5	34.9	46.0	-11.1
3.120	14.1	20.5	34.6	46.0	-11.4
1.848	14.1	20.5	34.6	46.0	-11.4
0.159	23.7	20.4	44.1	55.5	-11.5
4.056	13.9	20.6	34.5	46.0	-11.5
2.880	13.8	20.5	34.3	46.0	-11.7
3.216	13.6	20.5	34.1	46.0	-11.9
0.363	16.5	20.3	36.8	48.7	-11.9
2.776	13.5	20.5	34.0	46.0	-12.0
1.256	13.3	20.4	33.7	46.0	-12.3
0.623	13.3	20.3	33.6	46.0	-12.4
0.500	13.3	20.3	33.6	46.0	-12.4
1.680	13.0	20.4	33.4	46.0	-12.6
2.512	12.9	20.5	33.4	46.0	-12.6
2.440	12.8	20.5	33.3	46.0	-12.7

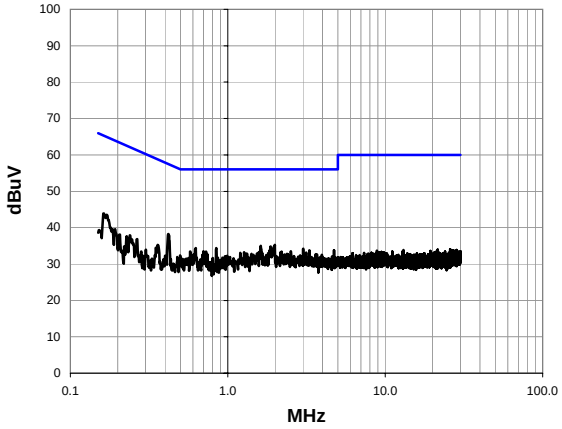
AC POWERLINE CONDUCTED EMISSIONS

Work Order:	BAYE0008	**Date:**	09/25/12		
Project:	None	**Temperature:**	23.8 °C		
Job Site:	EV07	**Humidity:**	40% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1020.2 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	2				
Customer:	Bayer Healthcare LLC				
Attendees:	None				
EUT Power:	USB				
Operating Mode:	Transmitting modulated signal at 100% duty cycle, mid channel (2448MHz)				
Deviations:	None				
Comments:	None				

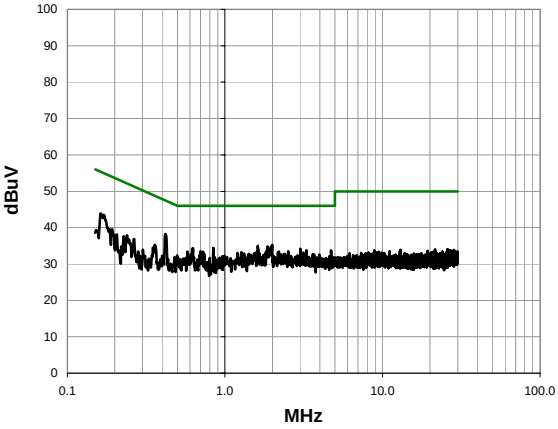
Test Specifications	**Test Method**
FCC 15.207:2012	ANSI C63.10:2009

Run #	6	**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)
0.419	18.0	20.3	38.3	57.5	-19.2
1.992	14.8	20.5	35.3	56.0	-20.7
1.616	14.6	20.4	35.0	56.0	-21.0
0.162	23.5	20.4	43.9	65.4	-21.5
0.626	14.1	20.3	34.4	56.0	-21.6
0.844	14.0	20.4	34.4	56.0	-21.6
3.016	13.7	20.5	34.2	56.0	-21.8
4.728	13.1	20.7	33.8	56.0	-22.2
3.296	13.2	20.5	33.7	56.0	-22.3
0.701	13.2	20.3	33.5	56.0	-22.5
2.520	13.0	20.5	33.5	56.0	-22.5
0.728	13.1	20.3	33.4	56.0	-22.6
0.578	13.1	20.3	33.4	56.0	-22.6
2.200	12.9	20.5	33.4	56.0	-22.6
1.272	12.8	20.4	33.2	56.0	-22.8
3.144	12.6	20.5	33.1	56.0	-22.9
1.568	12.7	20.4	33.1	56.0	-22.9
1.200	12.7	20.4	33.1	56.0	-22.9
1.800	12.5	20.5	33.0	56.0	-23.0
1.320	12.5	20.4	32.9	56.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.419	18.0	20.3	38.3	47.5	-9.2
1.992	14.8	20.5	35.3	46.0	-10.7
1.616	14.6	20.4	35.0	46.0	-11.0
0.162	23.5	20.4	43.9	55.4	-11.5
0.626	14.1	20.3	34.4	46.0	-11.6
0.844	14.0	20.4	34.4	46.0	-11.6
3.016	13.7	20.5	34.2	46.0	-11.8
4.728	13.1	20.7	33.8	46.0	-12.2
3.296	13.2	20.5	33.7	46.0	-12.3
0.701	13.2	20.3	33.5	46.0	-12.5
2.520	13.0	20.5	33.5	46.0	-12.5
0.728	13.1	20.3	33.4	46.0	-12.6
0.578	13.1	20.3	33.4	46.0	-12.6
2.200	12.9	20.5	33.4	46.0	-12.6
1.272	12.8	20.4	33.2	46.0	-12.8
3.144	12.6	20.5	33.1	46.0	-12.9
1.568	12.7	20.4	33.1	46.0	-12.9
1.200	12.7	20.4	33.1	46.0	-12.9
1.800	12.5	20.5	33.0	46.0	-13.0
1.320	12.5	20.4	32.9	46.0	-13.1

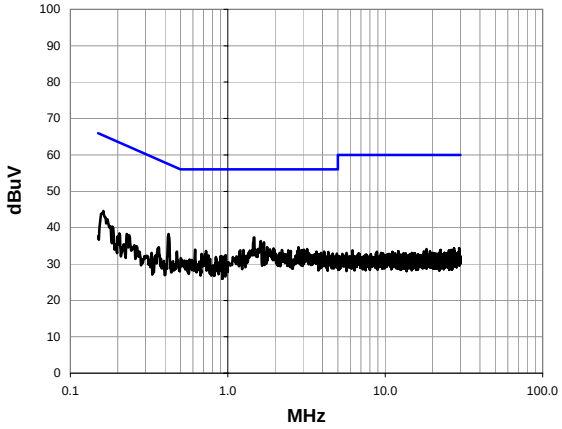
AC POWERLINE CONDUCTED EMISSIONS

Work Order:	BAYE0008	**Date:**	09/25/12		
Project:	None	**Temperature:**	23.8 °C		
Job Site:	EV07	**Humidity:**	40% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1020.2 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	2				
Customer:	Bayer Healthcare LLC				
Attendees:	None				
EUT Power:	USB				
Operating Mode:	Transmitting modulated signal at 100% duty cycle, high channel (2480MHz)				
Deviations:	None				
Comments:	None				

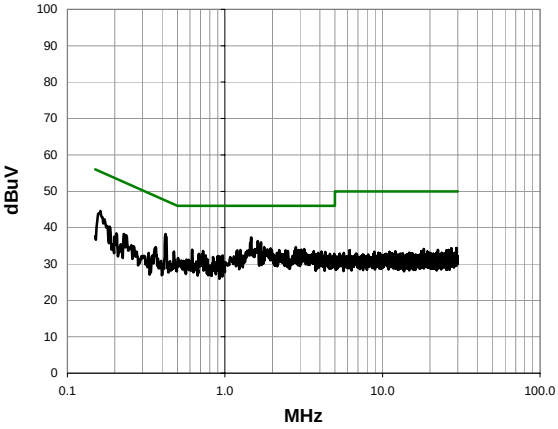
Test Specifications	**Test Method**
FCC 15.207:2012	ANSI C63.10:2009

Run #	7	**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)
1.472	16.9	20.4	37.3	56.0	-18.7
0.420	18.0	20.3	38.3	57.4	-19.2
1.616	15.9	20.4	36.3	56.0	-19.7
1.696	15.5	20.4	35.9	56.0	-20.1
0.162	24.2	20.4	44.6	65.4	-20.8
1.776	14.2	20.5	34.7	56.0	-21.3
2.816	14.1	20.5	34.6	56.0	-21.4
1.952	13.8	20.5	34.3	56.0	-21.7
3.192	13.6	20.5	34.1	56.0	-21.9
3.048	13.4	20.5	33.9	56.0	-22.1
0.619	13.6	20.3	33.9	56.0	-22.1
1.256	13.5	20.4	33.9	56.0	-22.1
2.208	13.4	20.5	33.9	56.0	-22.1
2.960	13.3	20.5	33.8	56.0	-22.2
1.200	13.4	20.4	33.8	56.0	-22.2
2.424	13.3	20.5	33.8	56.0	-22.2
2.888	13.2	20.5	33.7	56.0	-22.3
0.728	13.3	20.3	33.6	56.0	-22.4
2.512	13.1	20.5	33.6	56.0	-22.4
3.664	12.9	20.6	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)
1.472	16.9	20.4	37.3	46.0	-8.7
0.420	18.0	20.3	38.3	47.4	-9.2
1.616	15.9	20.4	36.3	46.0	-9.7
1.696	15.5	20.4	35.9	46.0	-10.1
0.162	24.2	20.4	44.6	55.4	-10.8
1.776	14.2	20.5	34.7	46.0	-11.3
2.816	14.1	20.5	34.6	46.0	-11.4
1.952	13.8	20.5	34.3	46.0	-11.7
3.192	13.6	20.5	34.1	46.0	-11.9
3.048	13.4	20.5	33.9	46.0	-12.1
0.619	13.6	20.3	33.9	46.0	-12.1
1.256	13.5	20.4	33.9	46.0	-12.1
2.208	13.4	20.5	33.9	46.0	-12.1
2.960	13.3	20.5	33.8	46.0	-12.2
1.200	13.4	20.4	33.8	46.0	-12.2
2.424	13.3	20.5	33.8	46.0	-12.2
2.888	13.2	20.5	33.7	46.0	-12.3
0.728	13.3	20.3	33.6	46.0	-12.4
2.512	13.1	20.5	33.6	46.0	-12.4
3.664	12.9	20.6	33.5	46.0	-12.5

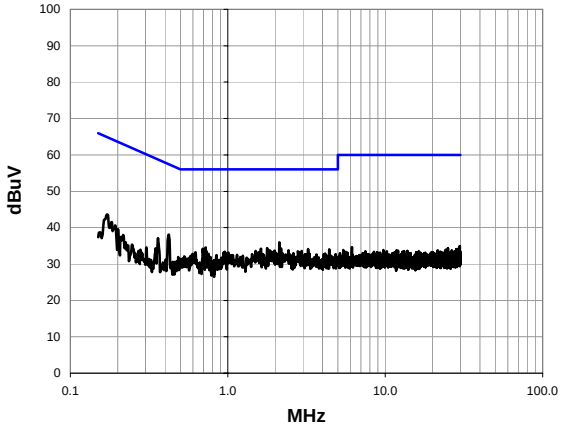
AC POWERLINE CONDUCTED EMISSIONS

Work Order:	BAYE0008	**Date:**	09/25/12		
Project:	None	**Temperature:**	23.8 °C		
Job Site:	EV07	**Humidity:**	40% RH		
Serial Number:	PP00473	**Barometric Pres.:**	1020.2 mbar	**Tested by:**	Carl Engholm
EUT:	Bayer CGMM01 Monitor (Bald Eagle ACMU)				
Configuration:	2				
Customer:	Bayer Healthcare LLC				
Attendees:	None				
EUT Power:	USB				
Operating Mode:	Transmitting modulated signal at 100% duty cycle, high channel (2480MHz)				
Deviations:	None				
Comments:	None				

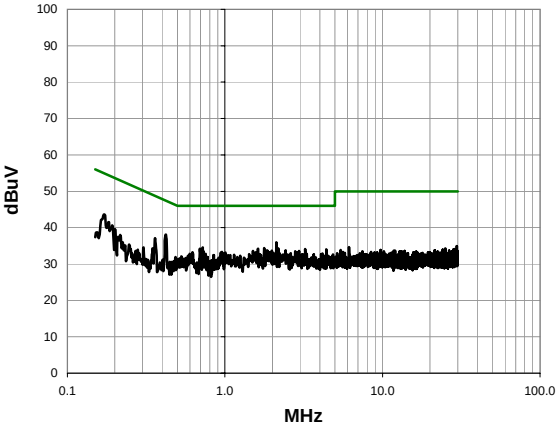
Test Specifications	**Test Method**
FCC 15.207:2012	ANSI C63.10:2009

Run #	8	**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)
0.420	17.8	20.3	38.1	57.4	-19.4
2.120	15.5	20.5	36.0	56.0	-20.0
0.170	23.3	20.3	43.6	64.9	-21.3
0.723	14.2	20.3	34.5	56.0	-21.5
0.361	16.8	20.3	37.1	58.7	-21.6
1.776	13.9	20.5	34.4	56.0	-21.6
2.176	13.8	20.5	34.3	56.0	-21.7
1.624	13.8	20.4	34.2	56.0	-21.8
0.694	13.9	20.3	34.2	56.0	-21.8
3.232	13.6	20.5	34.1	56.0	-21.9
4.400	13.4	20.7	34.1	56.0	-21.9
2.432	13.3	20.5	33.8	56.0	-22.2
1.848	13.3	20.5	33.8	56.0	-22.2
1.984	13.2	20.5	33.7	56.0	-22.3
1.504	13.2	20.4	33.6	56.0	-22.4
2.952	13.1	20.5	33.6	56.0	-22.4
2.792	13.0	20.5	33.5	56.0	-22.5
0.959	13.0	20.4	33.4	56.0	-22.6
0.623	12.9	20.3	33.2	56.0	-22.8
1.008	12.8	20.4	33.2	56.0	-22.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.420	17.8	20.3	38.1	47.4	-9.4
2.120	15.5	20.5	36.0	46.0	-10.0
0.170	23.3	20.3	43.6	54.9	-11.3
0.723	14.2	20.3	34.5	46.0	-11.5
0.361	16.8	20.3	37.1	48.7	-11.6
1.776	13.9	20.5	34.4	46.0	-11.6
2.176	13.8	20.5	34.3	46.0	-11.7
1.624	13.8	20.4	34.2	46.0	-11.8
0.694	13.9	20.3	34.2	46.0	-11.8
3.232	13.6	20.5	34.1	46.0	-11.9
4.400	13.4	20.7	34.1	46.0	-11.9
2.432	13.3	20.5	33.8	46.0	-12.2
1.848	13.3	20.5	33.8	46.0	-12.2
1.984	13.2	20.5	33.7	46.0	-12.3
1.504	13.2	20.4	33.6	46.0	-12.4
2.952	13.1	20.5	33.6	46.0	-12.4
2.792	13.0	20.5	33.5	46.0	-12.5
0.959	13.0	20.4	33.4	46.0	-12.6
0.623	12.9	20.3	33.2	46.0	-12.8
1.008	12.8	20.4	33.2	46.0	-12.8