

Exhibit Q: AC Powerline Conducted Emissions

FCC ID: P6I-COPYCAM203

Justification

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. While scanning the radiated emissions, all of the EUT parameters listed below were investigated. This includes, but may not be limited to, antennas, tuned transmit frequency ranges, operating modes, and data rates.

Channels in Specified Band Investigated:

Low
Mid
High

Operating Modes Investigated:

No Hop

Data Rates Investigated:

Maximum

Output Power Setting(s) Investigated:

Maximum

Power Input Settings Investigated:

120 VAC, 60 Hz.

Frequency Range Investigated

Start Frequency	150 kHz	Stop Frequency	30 MHz
-----------------	---------	----------------	--------

Software\Firmware Applied During Test

Exercise software	Special Test Software	Version	3.04
Description			
The system was tested using special software developed to test all functions of the device during the test. The software allowed the lowest, middle, and highest channels to be selected.			

Equipment Modifications

No EMI suppression devices were added or modified. The EUT was tested as delivered.

EUT and Peripherals

Description	Manufacturer	Model/Part Number	Serial Number
EUT - Bluetooth Radio	Polyvision Corp.	CopyCam	A0200415
Host Device	Polyvision Corp.	CopyCam Arm	A0200415
Controller	Polyvision Corp.	CopyCam Controller	A0200415
Remote notebook PC	Dell	PPL	DPDL3
Remote DSL Router	LinkSys	BEFSR41	C211A052833K
EUT Power Adapter	AULT Inc.	P48151000A050G	0203

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Cat 5 E-net	No	5.0	No	Host Device	Controller
DC Cable	No	7	Two	Host Device	EUT Power Adapter
Cat 5 E-net	No	8.0	No	Host Device	Remote DSL Router

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Measurement Equipment

Description	Manufacturer	Model	Identifier	Last Cal	Interval
Spectrum Analyzer	Hewlett-Packard	8566B	AAL	03/19/2002	12 mo
Quasi-Peak Adapter	Hewlett-Packard	85650A	AQF	03/19/2002	12 mo
LISN	Solar	9252-50-R-24-BNC	LIP	06/12/2002	12 mo
High Pass Filter	TTE	H97-100k-50-720B	HFC	12/11/2001	12 mo

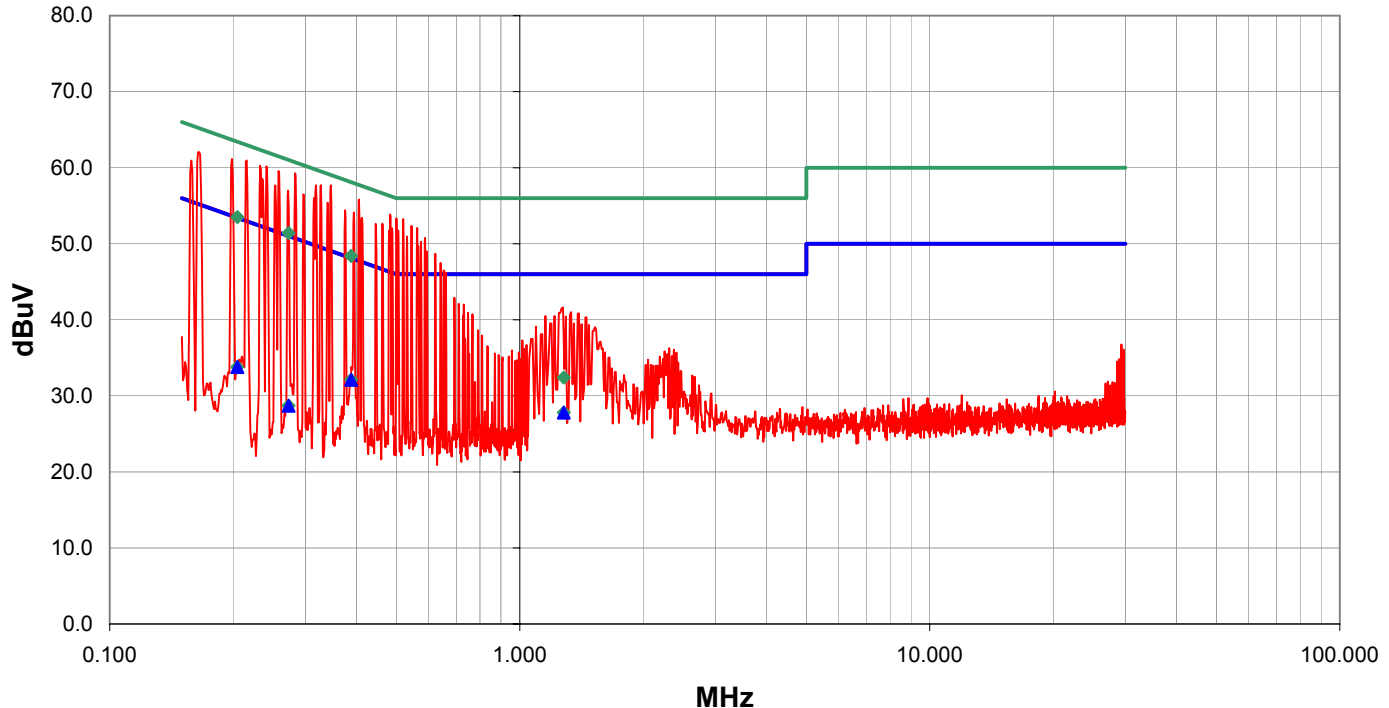
Test Description

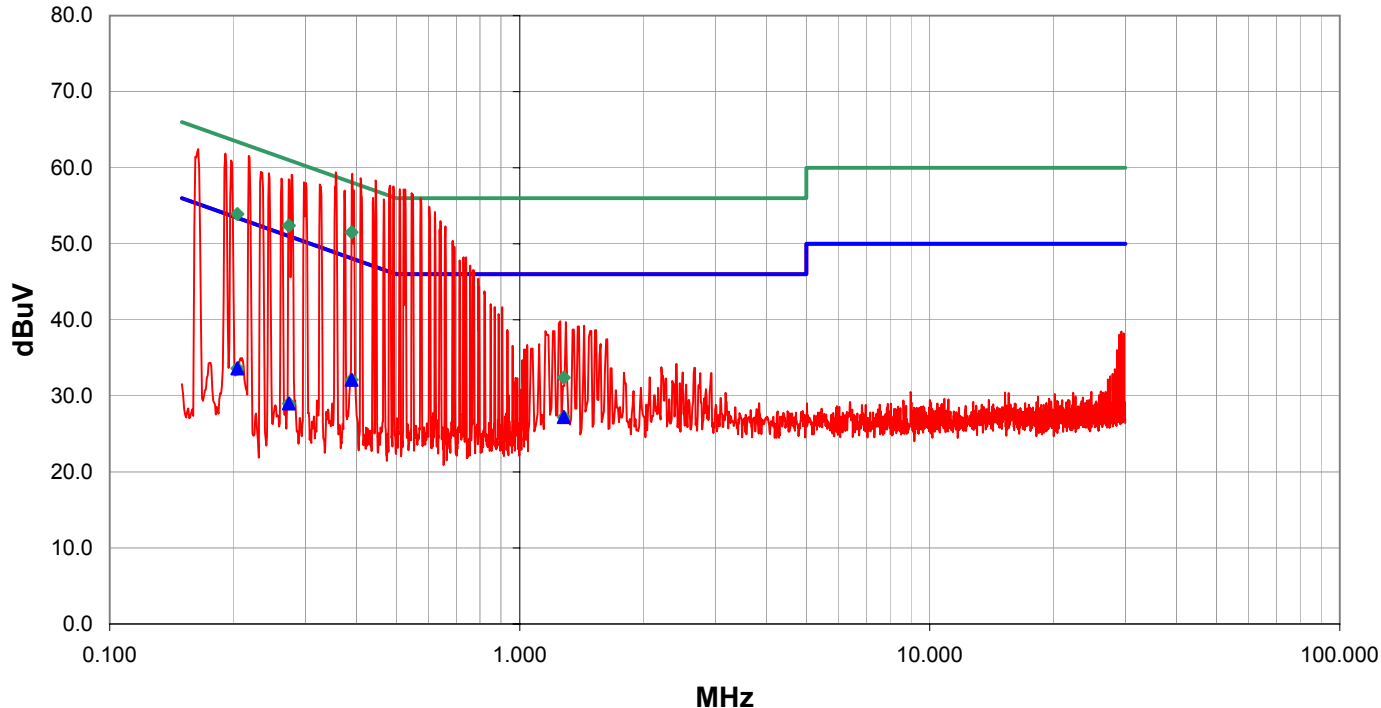
Requirement: Per 47 15.207(d), if the EUT is connected to the AC power line indirectly, obtaining its power from another device that is connected to the AC power line, then it should be tested to demonstrate compliance with the conducted limits of 15.207.

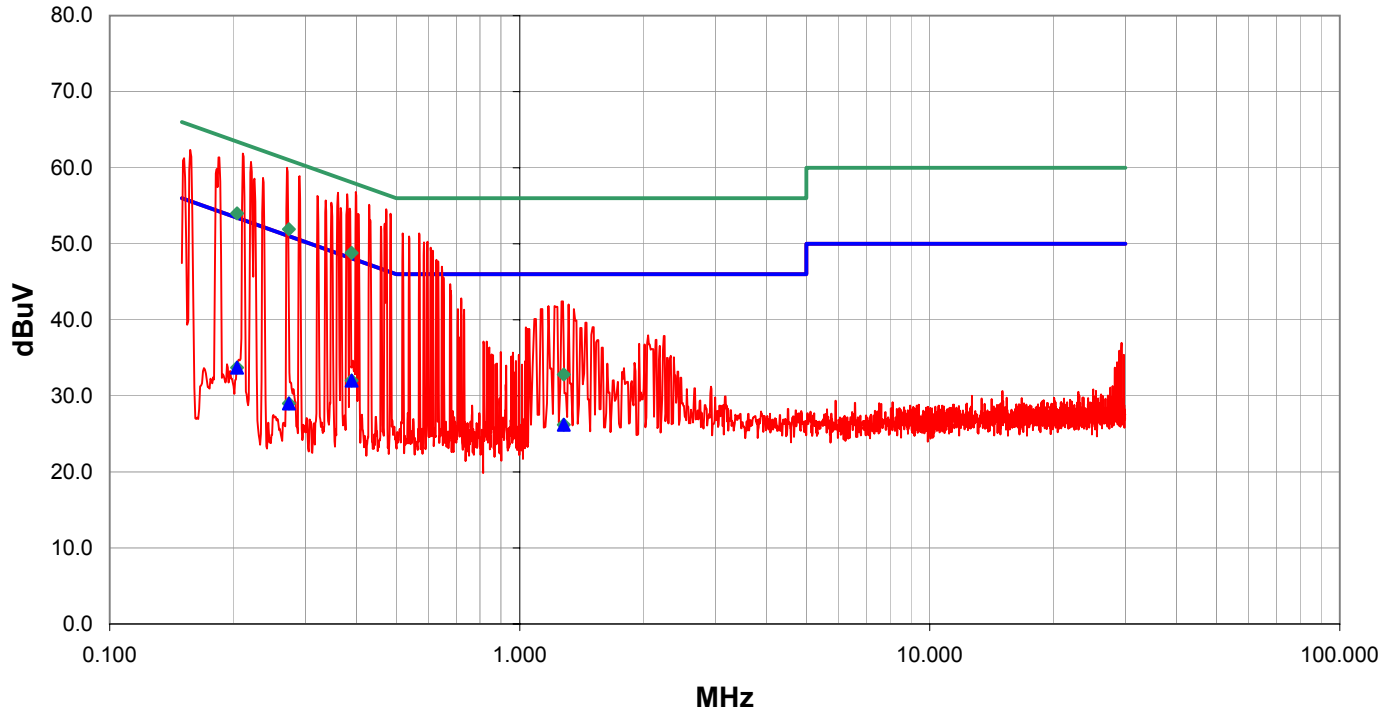
Configuration: The EUT will be powered from a host device (CopyCam Arm) that is connected to the AC power line. Therefore, the measurements were made on the host device used to power the EUT. The AC power line conducted emissions were measured with the EUT operating at the lowest, the highest, and a 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 C63.4-1992.

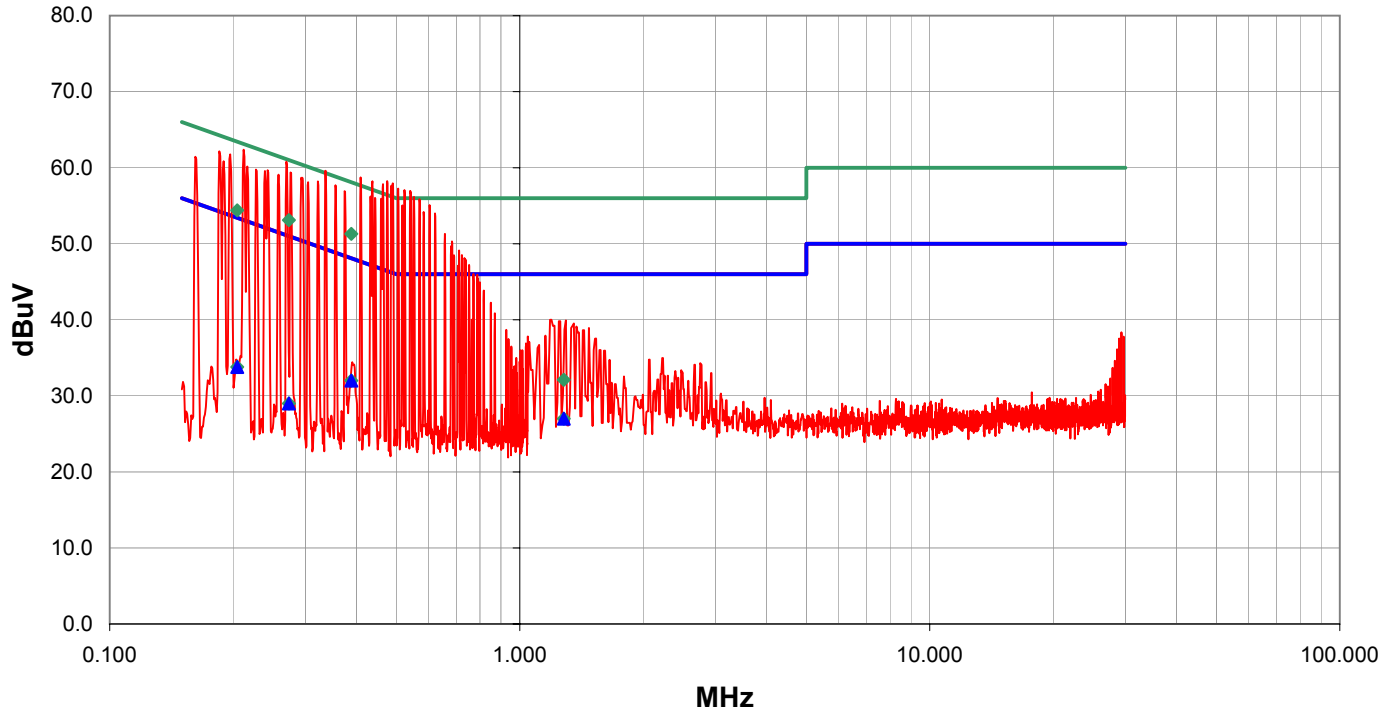
Completed by:

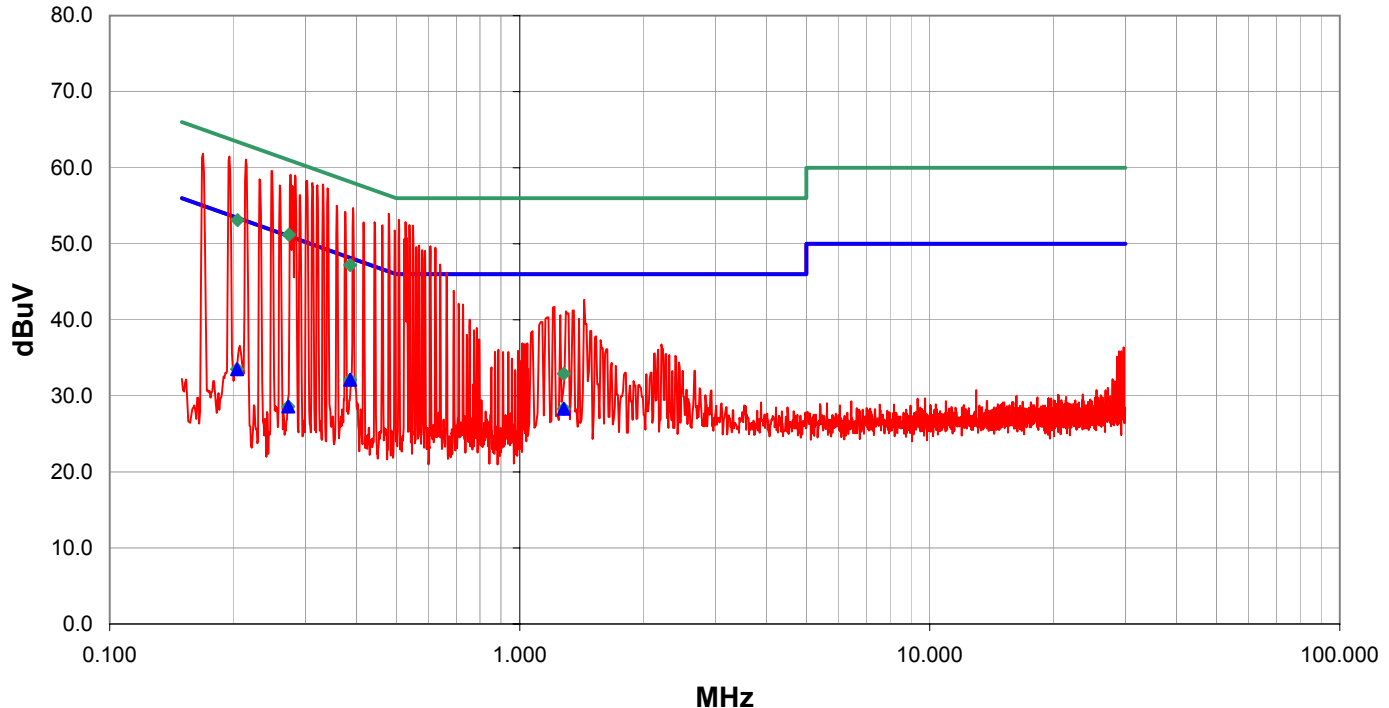


NORTHWEST		CONDUCTED EMISSIONS DATA SHEET				REV df3.01 09/20/2002					
EMC											
EUT: CopyCAM		Work Order: POLV0019									
Serial Number: A0200415		Date: 10/4/02 12:14									
Customer: Polyvision Corp.		Temperature: 72									
Attendees: Terry Skelton, Jeff Traw		Humidity: 42%									
Cust. Ref. No.:		Barometric Pressure 30.11									
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01							
TEST SPECIFICATIONS											
Specification: CISPR22 Class B				Year: 1997							
Method: CISPR 22				Year: 1997							
SAMPLE CALCULATIONS											
Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation											
Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator											
COMMENTS											
no hop low channel.											
EUT OPERATING MODES											
Modulated by ""FFFF"" at maximum data rate.											
DEVIATIONS FROM TEST STANDARD											
No deviations.											
RESULTS				Line		Run #					
Pass				L1		1					
Other											
				Tested By: 							
											
Freq (MHz)	Amplitude (dBuV)			Transducer (dB)	Cable (dB)	External Attenuation (dB)	Detector (blank equal peaks [PK] from scan)		Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.388	12.1			0.0	0.0	20.0	AV		32.1	48.1	-16.0
1.281	7.4			0.0	0.4	20.0	AV		27.8	46.0	-18.2
0.205	13.8			0.0	0.0	20.0	AV		33.8	53.4	-19.6
0.273	8.7			0.0	0.0	20.0	AV		28.7	51.0	-22.3
0.273	31.4			0.0	0.0	20.0	QP		51.4	61.0	-9.6
0.388	28.4			0.0	0.0	20.0	QP		48.4	58.1	-9.7
0.205	33.5			0.0	0.0	20.0	QP		53.5	63.4	-9.9
1.281	12.0			0.0	0.4	20.0	QP		32.4	56.0	-23.6

NORTHWEST		CONDUCTED EMISSIONS DATA SHEET				REV df3.01 09/20/2002					
EMC											
EUT: CopyCAM		Work Order: POLV0019									
Serial Number: A0200415		Date: 10/4/02 12:52									
Customer: Polyvision Corp.		Temperature: 72									
Attendees: Terry Skelton, Jeff Traw		Humidity: 42%									
Cust. Ref. No.:		Barometric Pressure 30.11									
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01							
TEST SPECIFICATIONS											
Specification: CISPR22 Class B				Year: 1997							
Method: CISPR 22				Year: 1997							
SAMPLE CALCULATIONS											
Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation											
Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator											
COMMENTS											
no hop low channel.											
EUT OPERATING MODES											
Modulated by ""FFFF"" at maximum data rate.											
DEVIATIONS FROM TEST STANDARD											
No deviations.											
RESULTS				Line		Run #					
Pass				N		2					
Other											
				Tested By: 							
											
Freq (MHz)	Amplitude (dBuV)			Transducer (dB)	Cable (dB)	External Attenuation (dB)	Detector (blank equal peaks [PK] from scan)		Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.389	12.1			0.0	0.0	20.0	AV		32.1	48.1	-16.0
1.281	6.8			0.0	0.4	20.0	AV		27.2	46.0	-18.8
0.205	13.6			0.0	0.0	20.0	AV		33.6	53.4	-19.8
0.274	9.0			0.0	0.0	20.0	AV		29.0	51.0	-22.0
0.389	31.5			0.0	0.0	20.0	QP		51.5	58.1	-6.6
0.274	32.4			0.0	0.0	20.0	QP		52.4	61.0	-8.6
0.205	33.9			0.0	0.0	20.0	QP		53.9	63.4	-9.5
1.281	12.0			0.0	0.4	20.0	QP		32.4	56.0	-23.6

NORTHWEST EMC		CONDUCTED EMISSIONS DATA SHEET				REV df3.01 09/20/2002				
EUT: CopyCAM		Work Order: POLV0019								
Serial Number: A0200415		Date: 10/4/02 13:01								
Customer: Polyvision Corp.		Temperature: 72								
Attendees: Terry Skelton, Jeff Traw		Humidity: 42%								
Cust. Ref. No.:		Barometric Pressure: 30.11								
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01						
TEST SPECIFICATIONS										
Specification: CISPR22 Class B		Year: 1997								
Method: CISPR 22		Year: 1997								
SAMPLE CALCULATIONS										
Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation										
Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator										
COMMENTS										
no hop mid channel.										
EUT OPERATING MODES										
Modulated by ""FFFF"" at maximum data rate.										
DEVIATIONS FROM TEST STANDARD										
No deviations.										
RESULTS		Line		Run #						
Pass		L1		3						
Other		 Tested By:								
										
Freq (MHz)	Amplitude (dBuV)			Transducer (dB)	Cable (dB)	External Attenuation (dB)	Detector (blank equal peaks [PK] from scan)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.389	12.0			0.0	0.0	20.0	AV	32.0	48.1	-16.1
0.204	13.7			0.0	0.0	20.0	AV	33.7	53.4	-19.7
1.281	5.8			0.0	0.4	20.0	AV	26.2	46.0	-19.8
0.274	9.0			0.0	0.0	20.0	AV	29.0	51.0	-22.0
0.274	31.9			0.0	0.0	20.0	QP	51.9	61.0	-9.1
0.389	28.8			0.0	0.0	20.0	QP	48.8	58.1	-9.3
0.204	34.0			0.0	0.0	20.0	QP	54.0	63.4	-9.4
1.281	12.4			0.0	0.4	20.0	QP	32.8	56.0	-23.2

NORTHWEST		CONDUCTED EMISSIONS DATA SHEET				REV df3.01 09/20/2002					
EMC											
EUT: CopyCAM		Work Order: POLV0019									
Serial Number: A0200415		Date: 10/4/02 13:09									
Customer: Polyvision Corp.		Temperature: 72									
Attendees: Terry Skelton, Jeff Traw		Humidity: 42%									
Cust. Ref. No.:		Barometric Pressure 30.11									
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01							
TEST SPECIFICATIONS											
Specification: CISPR22 Class B				Year: 1997							
Method: CISPR 22				Year: 1997							
SAMPLE CALCULATIONS											
Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation											
Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator											
COMMENTS											
no hop mid channel.											
EUT OPERATING MODES											
Modulated by ""FFFF"" at maximum data rate.											
DEVIATIONS FROM TEST STANDARD											
No deviations.											
RESULTS				Line		Run #					
Pass				N		4					
Other											
				Tested By: 							
											
Freq (MHz)	Amplitude (dBuV)			Transducer (dB)	Cable (dB)	External Attenuation (dB)	Detector (blank equal peaks [PK] from scan)		Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.388	12.0			0.0	0.0	20.0	AV		32.0	48.1	-16.1
1.280	6.6			0.0	0.4	20.0	AV		27.0	46.0	-19.0
0.205	13.8			0.0	0.0	20.0	AV		33.8	53.4	-19.6
0.274	9.0			0.0	0.0	20.0	AV		29.0	51.0	-22.0
0.388	31.3			0.0	0.0	20.0	QP		51.3	58.1	-6.8
0.274	33.1			0.0	0.0	20.0	QP		53.1	61.0	-7.9
0.205	34.4			0.0	0.0	20.0	QP		54.4	63.4	-9.0
1.280	11.7			0.0	0.4	20.0	QP		32.1	56.0	-23.9

NORTHWEST		CONDUCTED EMISSIONS DATA SHEET				REV df3.01 09/20/2002					
EMC											
EUT: CopyCAM		Work Order: POLV0019									
Serial Number: A0200415		Date: 10/4/02 13:24									
Customer: Polyvision Corp.		Temperature: 72									
Attendees: Terry Skelton, Jeff Traw		Humidity: 42%									
Cust. Ref. No.:		Barometric Pressure 30.11									
Tested by: Greg Kiemel		Power: 120 V, 60 Hz		Job Site: EV01							
TEST SPECIFICATIONS											
Specification: CISPR22 Class B				Year: 1997							
Method: CISPR 22				Year: 1997							
SAMPLE CALCULATIONS											
Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation											
Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator											
COMMENTS											
no hop high channel.											
EUT OPERATING MODES											
Modulated by ""FFFF"" at maximum data rate.											
DEVIATIONS FROM TEST STANDARD											
No deviations.											
RESULTS				Line		Run #					
Pass				L1		5					
Other											
				Tested By: 							
											
Freq (MHz)	Amplitude (dBuV)			Transducer (dB)	Cable (dB)	External Attenuation (dB)	Detector (blank equal peaks [PK] from scan)		Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.386	12.1			0.0	0.0	20.0	AV		32.1	48.1	-16.0
1.280	7.9			0.0	0.4	20.0	AV		28.3	46.0	-17.7
0.205	13.5			0.0	0.0	20.0	AV		33.5	53.4	-19.9
0.273	8.6			0.0	0.0	20.0	AV		28.6	51.0	-22.4
0.273	31.2			0.0	0.0	20.0	QP		51.2	61.0	-9.8
0.205	33.1			0.0	0.0	20.0	QP		53.1	63.4	-10.3
0.386	27.2			0.0	0.0	20.0	QP		47.2	58.1	-10.9
1.280	12.5			0.0	0.4	20.0	QP		32.9	56.0	-23.1

EUT: CopyCAM	Work Order: POLV0019
Serial Number: A0200415	Date: 10/4/02 13:42
Customer: Polyvision Corp.	Temperature: 72
Attendees: Terry Skelton, Jeff Traw	Humidity: 42%
Cust. Ref. No.:	Barometric Pressure: 30.11
Tested by: Greg Kiemel	Power: 120 V, 60 Hz
	Job Site: EV01

TEST SPECIFICATIONS

Specification: CISPR22 Class B	Year: 1997
Method: CISPR 22	Year: 1997

SAMPLE CALCULATIONS

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

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

COMMENTS

no hop high channel.

EUT OPERATING MODES

Modulated by ""FFFF"" at maximum data rate.

DEVIATIONS FROM TEST STANDARD

No deviations.

RESULTS

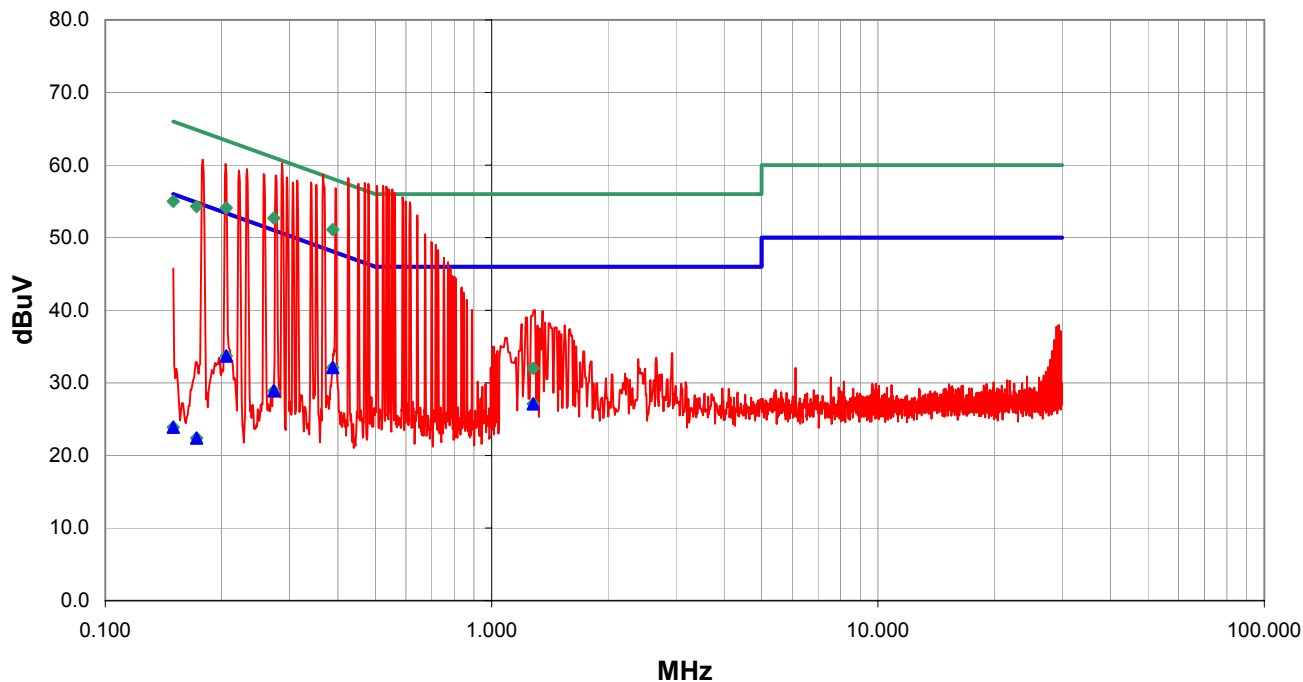
Line	Run #
N	6

Pass

Other

Greg Kiemel

Tested By:



Freq (MHz)	Amplitude (dBuV)		Transducer (dB)	Cable (dB)	External Attenuation (dB)	Detector (blank equal peaks [PK] from scan)	Adjusted dBuV	Spec. Limit dBuV	Compared to Spec. (dB)
0.388	12.1		0.0	0.0	20.0	AV	32.1	48.1	-16.0
1.282	6.7		0.0	0.4	20.0	AV	27.1	46.0	-18.9
0.206	13.7		0.0	0.0	20.0	AV	33.7	53.4	-19.7
0.273	8.9		0.0	0.0	20.0	AV	28.9	51.0	-22.1
0.150	3.9		0.0	0.0	20.0	AV	23.9	56.0	-32.1
0.172	2.4		0.0	0.0	20.0	AV	22.4	54.8	-32.4
0.388	31.1		0.0	0.0	20.0	QP	51.1	58.1	-7.0
0.273	32.7		0.0	0.0	20.0	QP	52.7	61.0	-8.3
0.206	34.1		0.0	0.0	20.0	QP	54.1	63.4	-9.3
0.172	34.3		0.0	0.0	20.0	QP	54.3	64.8	-10.5
0.150	35.0		0.0	0.0	20.0	QP	55.0	66.0	-11.0
1.282	11.6		0.0	0.4	20.0	QP	32.0	56.0	-24.0