

Exhibit P: Spurious RF Conducted Emissions

FCC ID: P6I-COPYCAM

Justification

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. 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

0 MHz

Stop Frequency

25 GHz

Software\Firmware Applied During Test

Exercise software

Special Test Software

Version

Unknown

Description

The system was tested using special software developed to test all functions of the device during the test. This software allows the unit to be placed in a no hop mode and set to the low, mid, and high transmit channel

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	Polyvision	CopyCam	E0200066
Control Pad	Polyvision	N/A	N/A
AC Power Adapter	Ault, Inc	P48151000A000G	N/A

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Ethernet	No	3.6	No	Control Pad	EUT
DC Power	No	4.4	No	EUT	AC Adapter

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	Tektronix	2784	AAO	03/08/2001	24 mo


Test Description

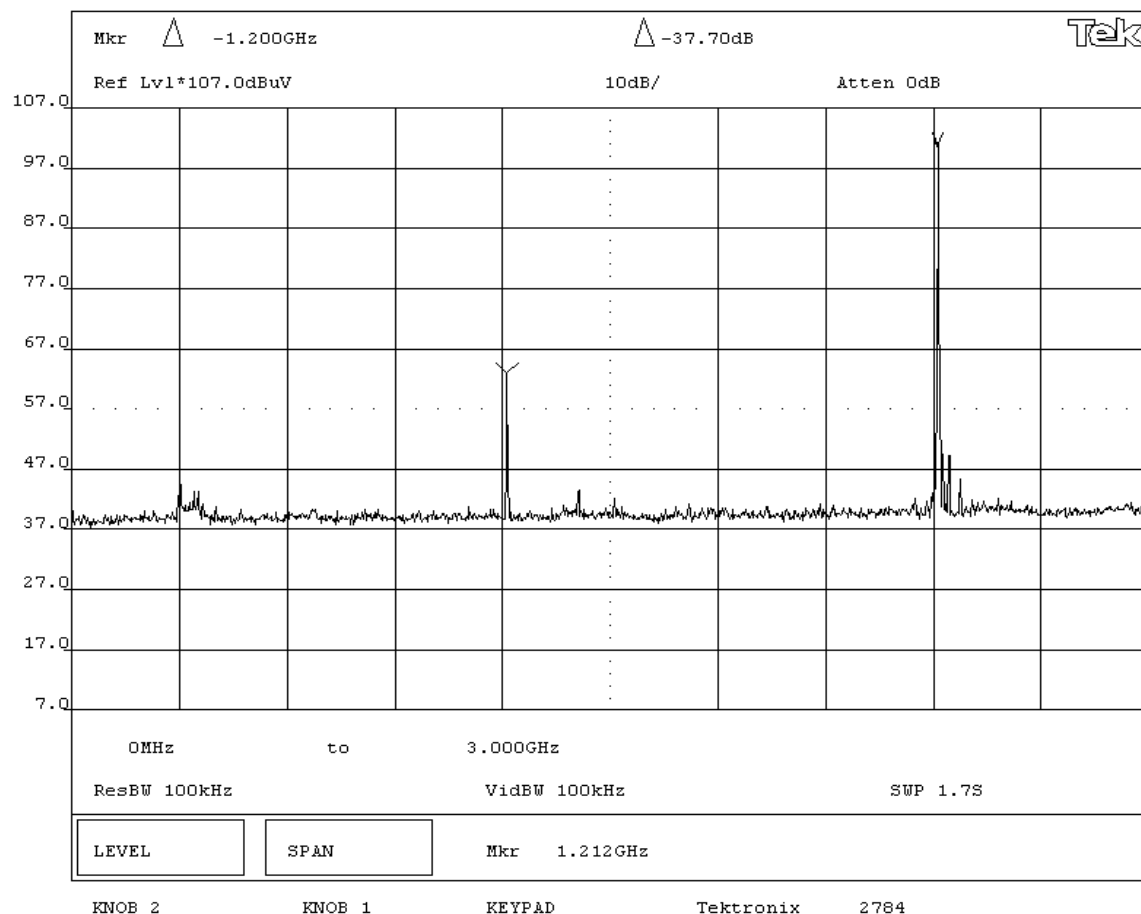
Requirement: Per 47 CFR 15.247(c), in any 100 kHz bandwidth outside the authorized band, the maximum level of radio frequency power must be at least 20dB down from the highest emission level within the authorized band. The measurement is made with the spectrum analyzer's resolution bandwidth set to 100 kHz, and the video bandwidth set to greater than or equal to the resolution bandwidth.


Configuration: The spurious RF conducted emissions were measured with the EUT set to low, medium, and high transmit frequencies. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at its maximum output power and maximum data rate in a no hop mode. For each transmit frequency, the spectrum was scanned throughout the specified frequency.

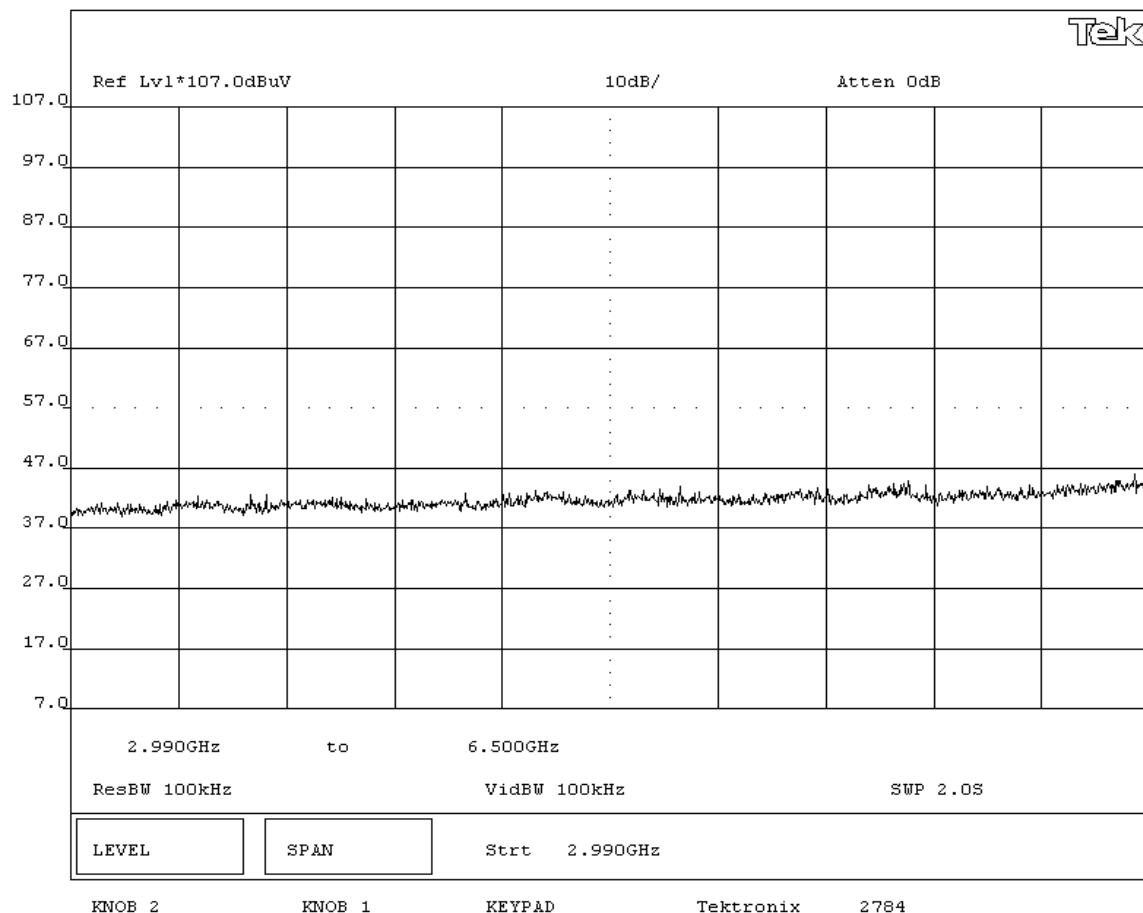
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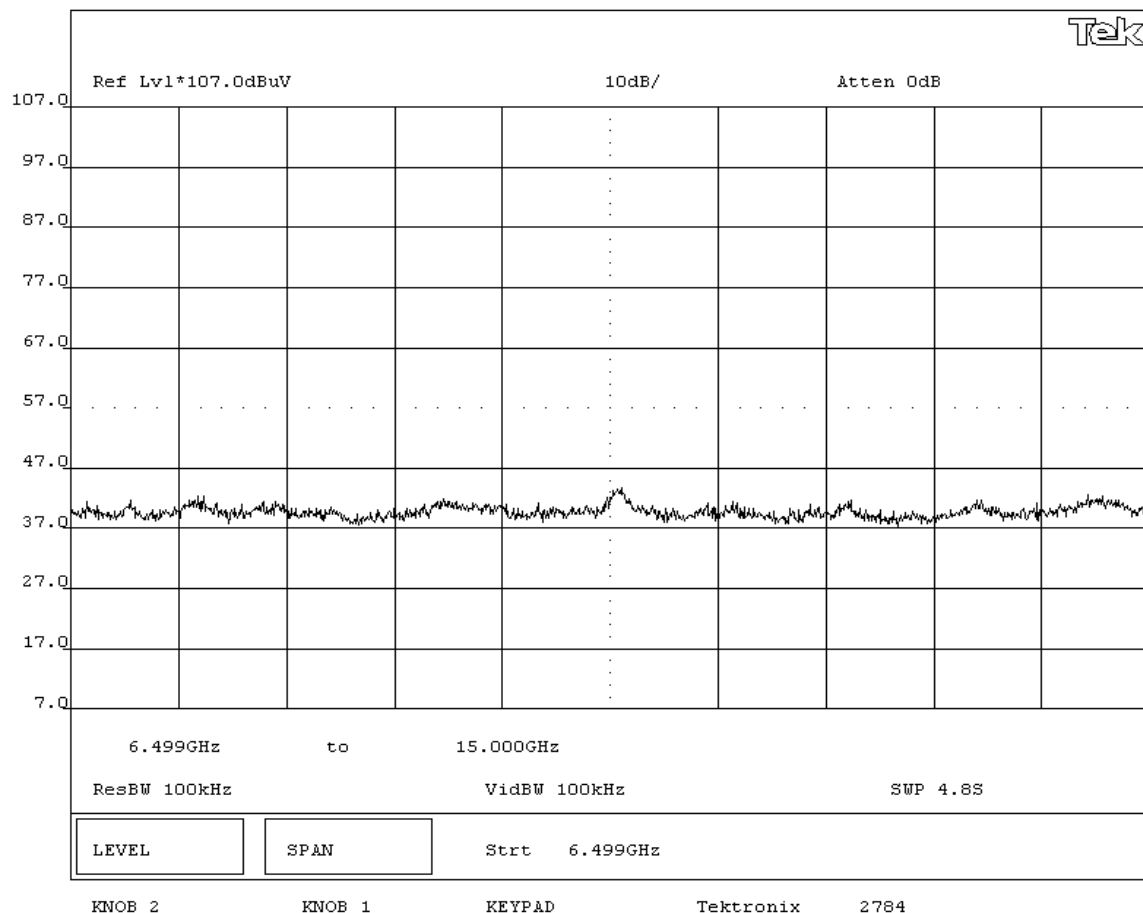
NORTHWEST EMC				EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam				Work Order: POLV0012			
Serial Number: E0200066				Date: 02/21/02			
Customer: PolyVision Corporation				Temperature: 23 degrees C			
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH		Job Site: EV06	
Customer Ref. No.: N/A		Power: N/A					
TEST SPECIFICATIONS							
Specification: 47 CFR 15.247(c)		Year: Most Current		Method: DA 00-705, ANSI C63.4		Year: 1992	
SAMPLE CALCULATIONS							
COMMENTS							
EUT OPERATING MODES							
Modulated by PRBS at maximum data rate. Maximum output power.							
DEVIATIONS FROM TEST STANDARD							
None							
REQUIREMENTS							
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental							
RESULTS							
Pass							
SIGNATURE							
<div style="text-align: center;">  Tested By: _____ </div>							
DESCRIPTION OF TEST							
Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz							




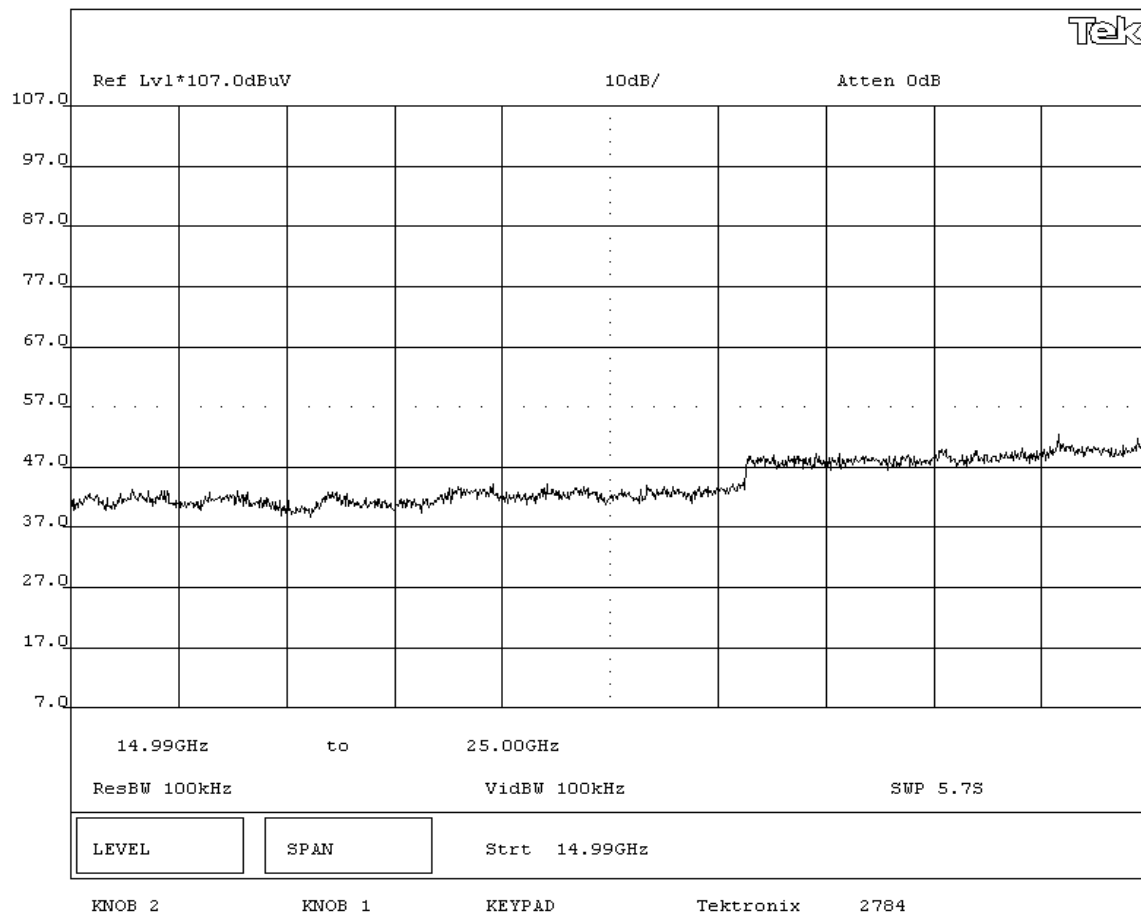
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam			Work Order: POLV0012		
Serial Number: E0200066			Date: 02/21/02		
Customer: PolyVision Corporation			Temperature: 23 degrees C		
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH	
Customer Ref. No.: N/A		Power: N/A		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(c)		Year: Most Current		Method: DA 00-705, ANSI C63.4	
				Year: 1992	
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Modulated by PRBS at maximum data rate. Maximum output power.					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
RESULTS					
Pass					
SIGNATURE					
 Tested By: _____					
DESCRIPTION OF TEST					
Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam			Work Order: POLV0012		
Serial Number: E0200066			Date: 02/21/02		
Customer: PolyVision Corporation			Temperature: 23 degrees C		
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH	
Customer Ref. No.: N/A		Power: N/A		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(c)		Year: Most Current		Method: DA 00-705, ANSI C63.4	
				Year: 1992	
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Modulated by PRBS at maximum data rate. Maximum output power.					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
RESULTS					
Pass					
SIGNATURE					
 Tested By: _____					
DESCRIPTION OF TEST					
Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam			Work Order: POLV0012		
Serial Number: E0200066			Date: 02/21/02		
Customer: PolyVision Corporation			Temperature: 23 degrees C		
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH	
Customer Ref. No.: N/A		Power: N/A		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(c)		Year: Most Current		Method: DA 00-705, ANSI C63.4	
				Year: 1992	
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Modulated by PRBS at maximum data rate. Maximum output power.					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
RESULTS					
Pass					
SIGNATURE					
 Tested By: _____					
DESCRIPTION OF TEST					
Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz					



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

EUT: CopyCam		Work Order: POLV0012	
Serial Number: E0200066		Date: 02/21/02	
Customer: PolyVision Corporation		Temperature: 23 degrees C	
Attendees: Guy Williams		Humidity: 38% RH	
Customer Ref. No.: N/A		Job Site: EV06	
Tested by: Rod Peloquin		Power: N/A	

TEST SPECIFICATIONS

Specification: 47 CFR 15.247(c)	Year: Most Current	Method: DA 00-705, ANSI C63.4	Year: 1992
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SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate. Maximum output power.

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

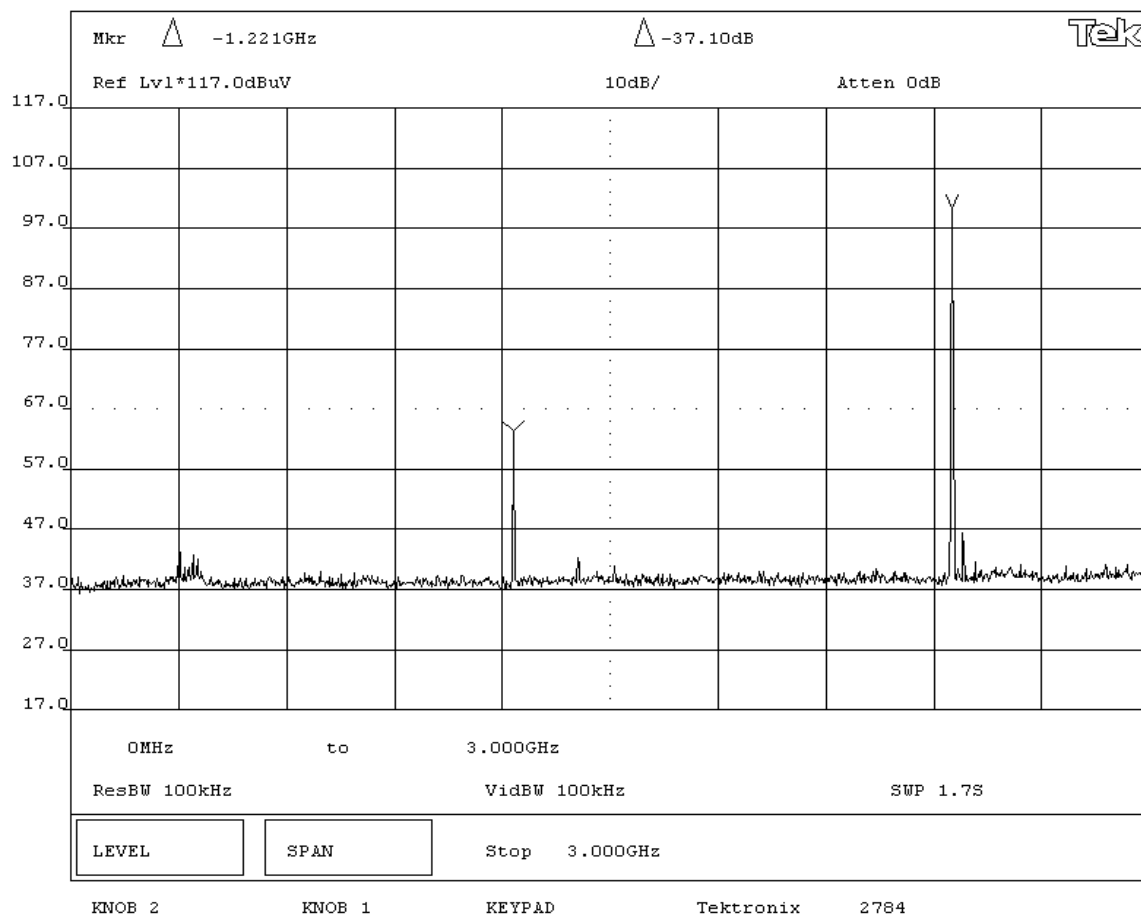
Pass


SIGNATURE

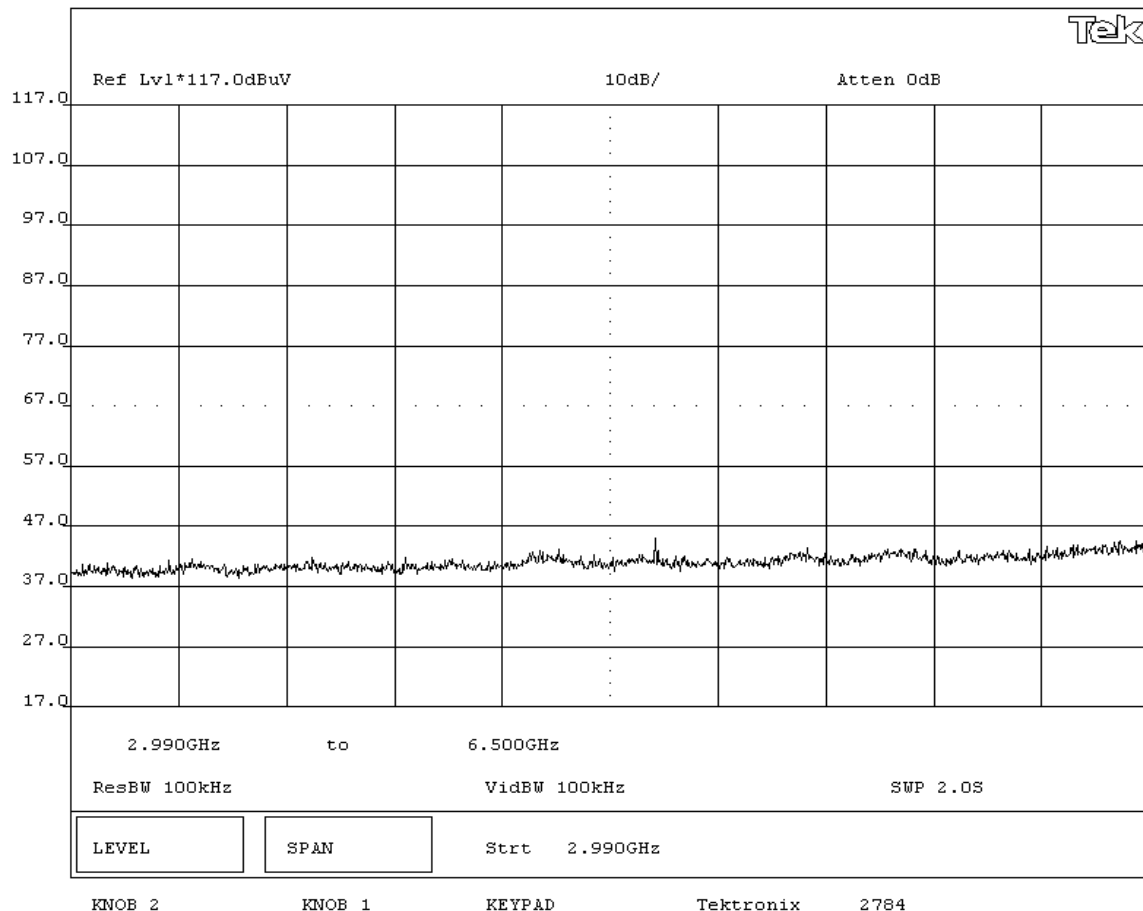
Tested By: 


DESCRIPTION OF TEST

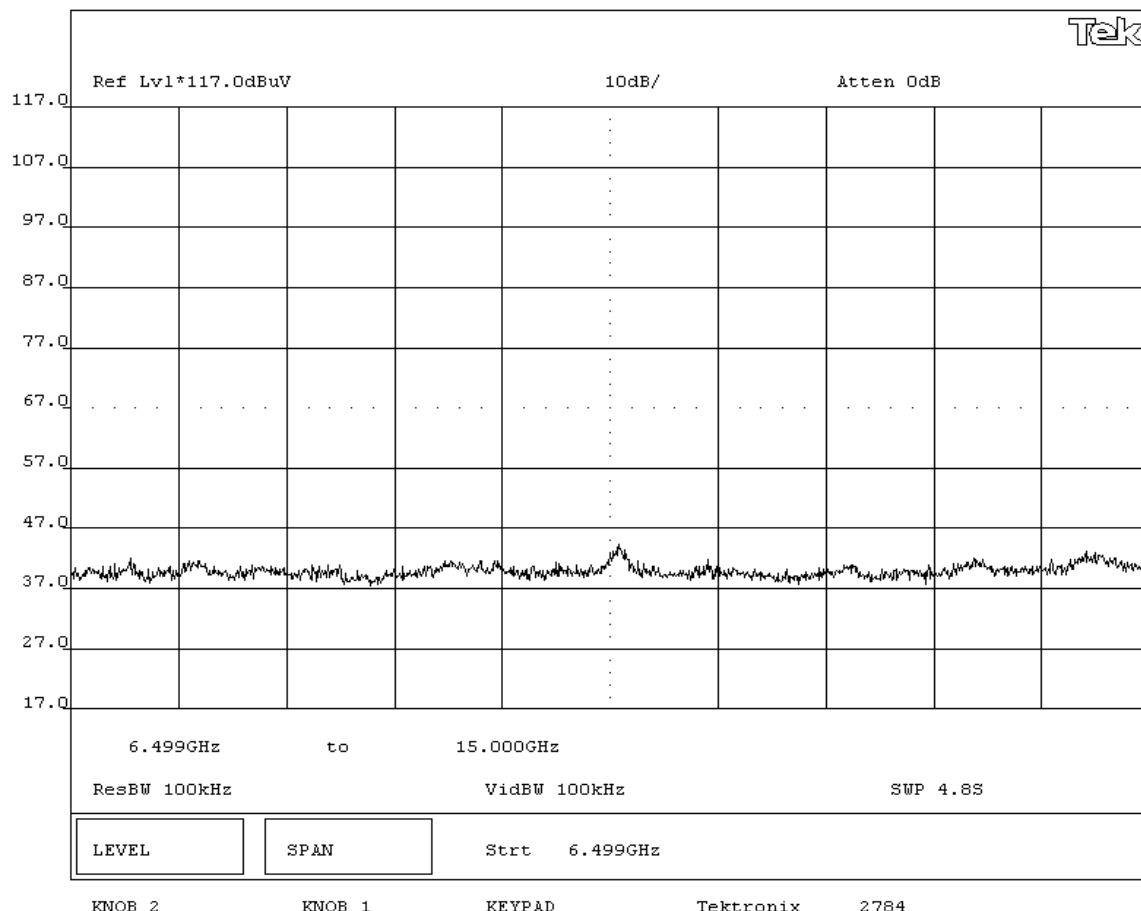
Antenna Conducted Spurious Emissions - Mid Channel 0MHz-3GHz




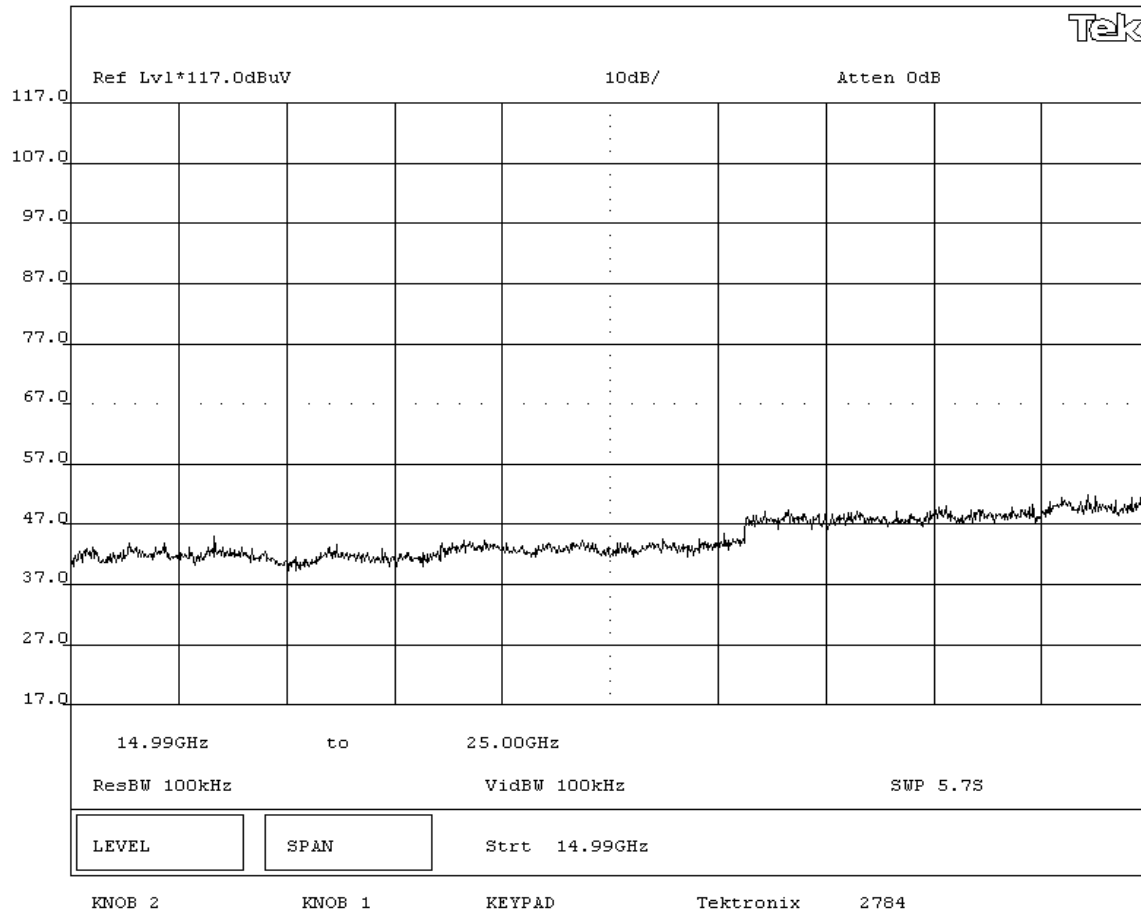
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam			Work Order: POLV0012		
Serial Number: E0200066			Date: 02/21/02		
Customer: PolyVision Corporation			Temperature: 23 degrees C		
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH	
Customer Ref. No.: N/A		Power: N/A		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(c)		Year: Most Current		Method: DA 00-705, ANSI C63.4	
				Year: 1992	
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Modulated by PRBS at maximum data rate. Maximum output power.					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
RESULTS					
Pass					
SIGNATURE					
<div style="text-align: center;">  Tested By: _____ </div>					
DESCRIPTION OF TEST					
Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz					



NORTHWEST EMC				EMISSIONS DATA SHEET				Rev BETA 01/30/01	
EUT: CopyCam				Work Order: POLV0012					
Serial Number: E0200066				Date: 02/21/02					
Customer: PolyVision Corporation				Temperature: 23 degrees C					
Attendees: Guy Williams				Tested by: Rod Peloquin		Humidity: 38% RH			
Customer Ref. No.: N/A				Power: N/A		Job Site: EV06			
TEST SPECIFICATIONS									
Specification: 47 CFR 15.247(c)			Year: Most Current		Method: DA 00-705, ANSI C63.4			Year: 1992	
SAMPLE CALCULATIONS									
COMMENTS									
EUT OPERATING MODES									
Modulated by PRBS at maximum data rate. Maximum output power.									
DEVIATIONS FROM TEST STANDARD									
None									
REQUIREMENTS									
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental									
RESULTS									
Pass									
SIGNATURE									
<div style="text-align: center;">  Tested By: _____ </div>									
DESCRIPTION OF TEST									
Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz									



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam			Work Order: POLV0012		
Serial Number: E0200066			Date: 02/21/02		
Customer: PolyVision Corporation			Temperature: 23 degrees C		
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH	
Customer Ref. No.: N/A		Power: N/A		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(c)		Year: Most Current		Method: DA 00-705, ANSI C63.4	
				Year: 1992	
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Modulated by PRBS at maximum data rate. Maximum output power.					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
RESULTS					
Pass					
SIGNATURE					
<div style="text-align: center;">  Tested By: _____ </div>					
DESCRIPTION OF TEST					
Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz					



NORTHWEST
EMC**EMISSIONS DATA SHEET**Rev BETA
01/30/01

EUT: CopyCam			Work Order: POLV0012		
Serial Number: E0200066			Date: 02/21/02		
Customer: PolyVision Corporation			Temperature: 23 degrees C		
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH	
Customer Ref. No.: N/A		Power: N/A		Job Site: EV06	

TEST SPECIFICATIONS

Specification: 47 CFR 15.247(c)	Year: Most Current	Method: DA 00-705, ANSI C63.4	Year: 1992
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SAMPLE CALCULATIONS**COMMENTS****EUT OPERATING MODES**

Modulated by PRBS at maximum data rate. Maximum output power.

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

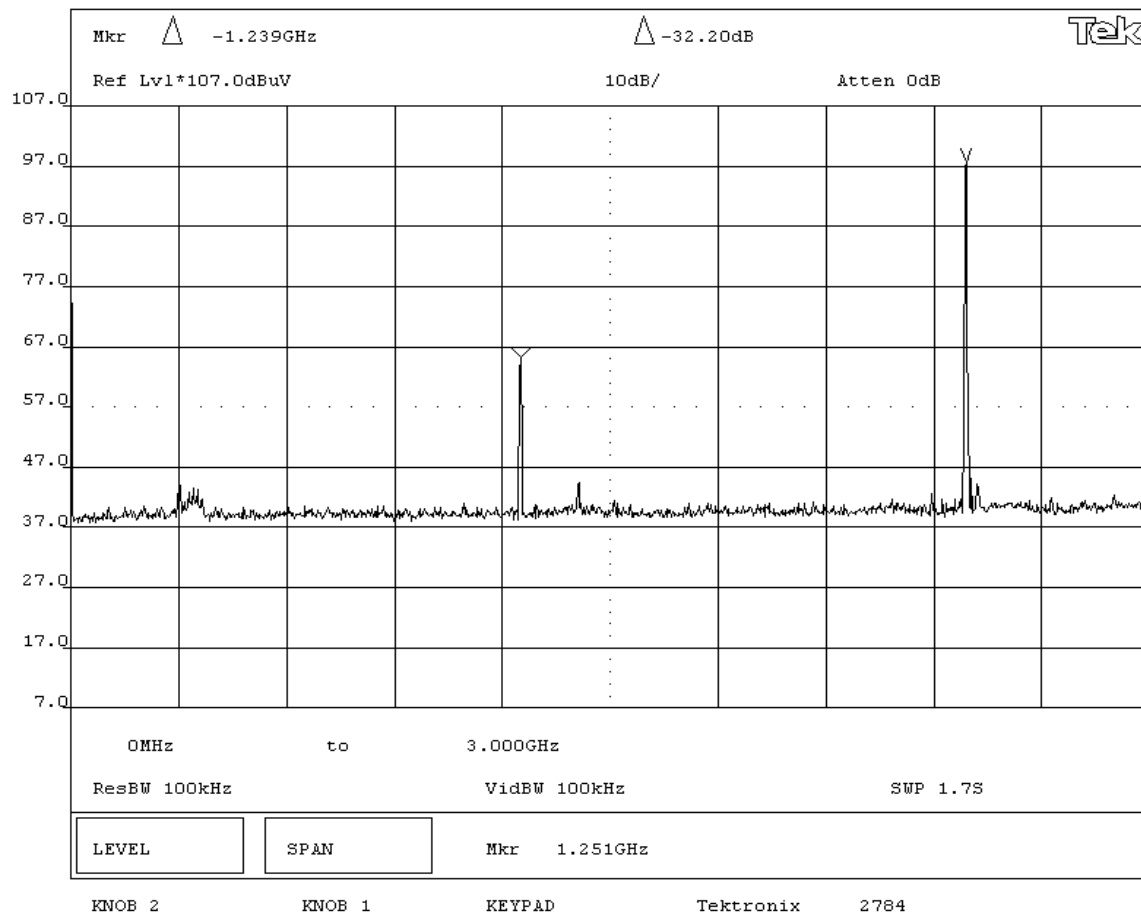
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

Pass

SIGNATURE

Rodney L. Peloquin
Tested By: _____

DESCRIPTION OF TEST**Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz**

EMISSIONS DATA SHEET

Rev BETA
01/30/01

EUT:	CopyCam	Work Order:	POLV0012
Serial Number:	E0200066	Date:	02/21/02
Customer:	PolyVision Corporation	Temperature:	23 degrees C
Attendees:	Guy Williams	Tested by:	Rod Peloquin
Customer Ref. No.:	N/A	Humidity:	38% RH
		Power:	N/A
		Job Site:	EV06

TEST SPECIFICATIONS

Specification:	47 CFR 15.247(c)	Year:	Most Current	Method:	DA 00-705, ANSI C63.4	Year:	1992
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SAMPLE CALCULATIONS

COMMENTS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate. Maximum output power.

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

Pass

SIGNATURE

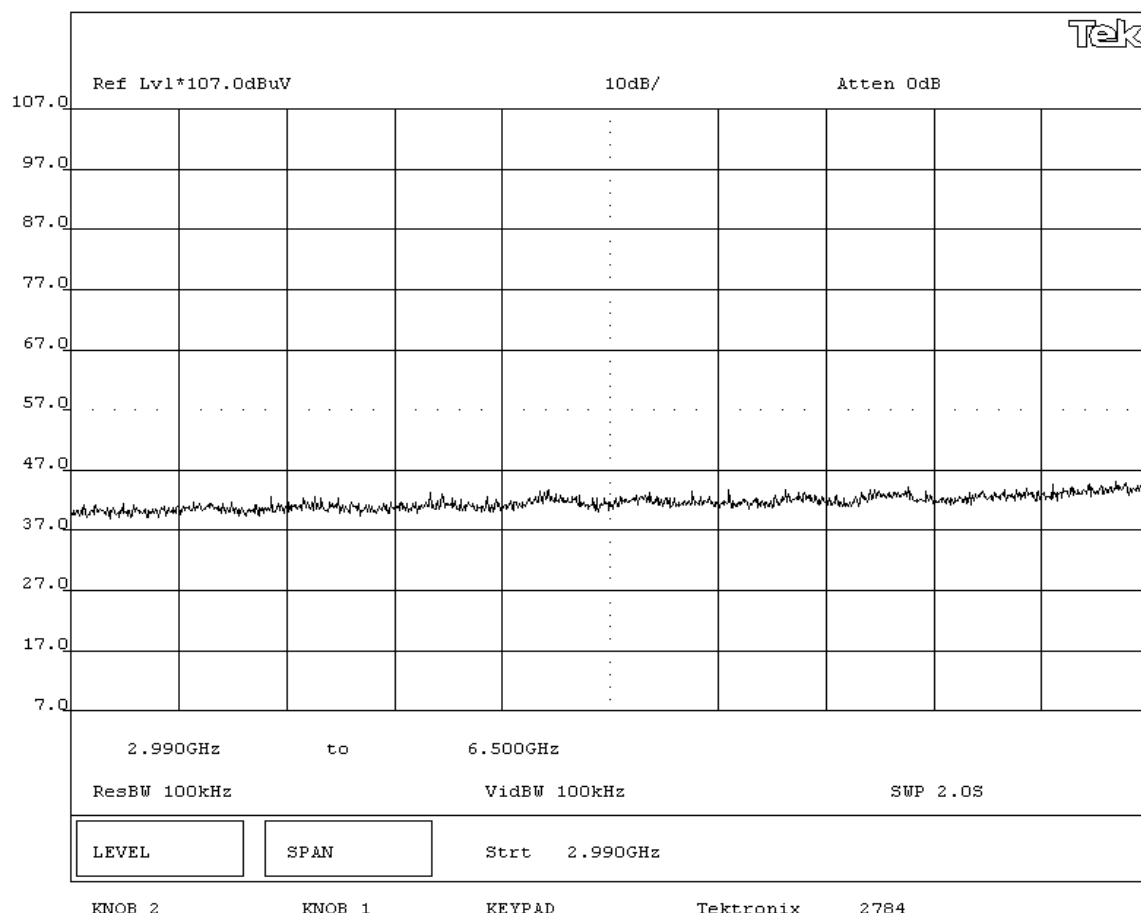
SIGNATURE

Rocky Le Pellego

Tested By: _____

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz



EUT:	CopyCam	Work Order:	POLV0012
Serial Number:	E0200066	Date:	02/21/02
Customer:	PolyVision Corporation	Temperature:	23 degrees C
Attendees:	Guy Williams	Tested by:	Rod Peloquin
Customer Ref. No.:	N/A	Power:	N/A
		Humidity:	38% RH
		Job Site:	EV06

TEST SPECIFICATIONS

Specification:	47 CFR 15.247(c)	Year:	Most Current	Method:	DA 00-705, ANSI C63.4	Year:	1992
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SAMPLE CALCULATIONS

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COMMENTS

Comments	

EUT OPERATING MODES

Modulated by PRBS at maximum data rate. Maximum output power.

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

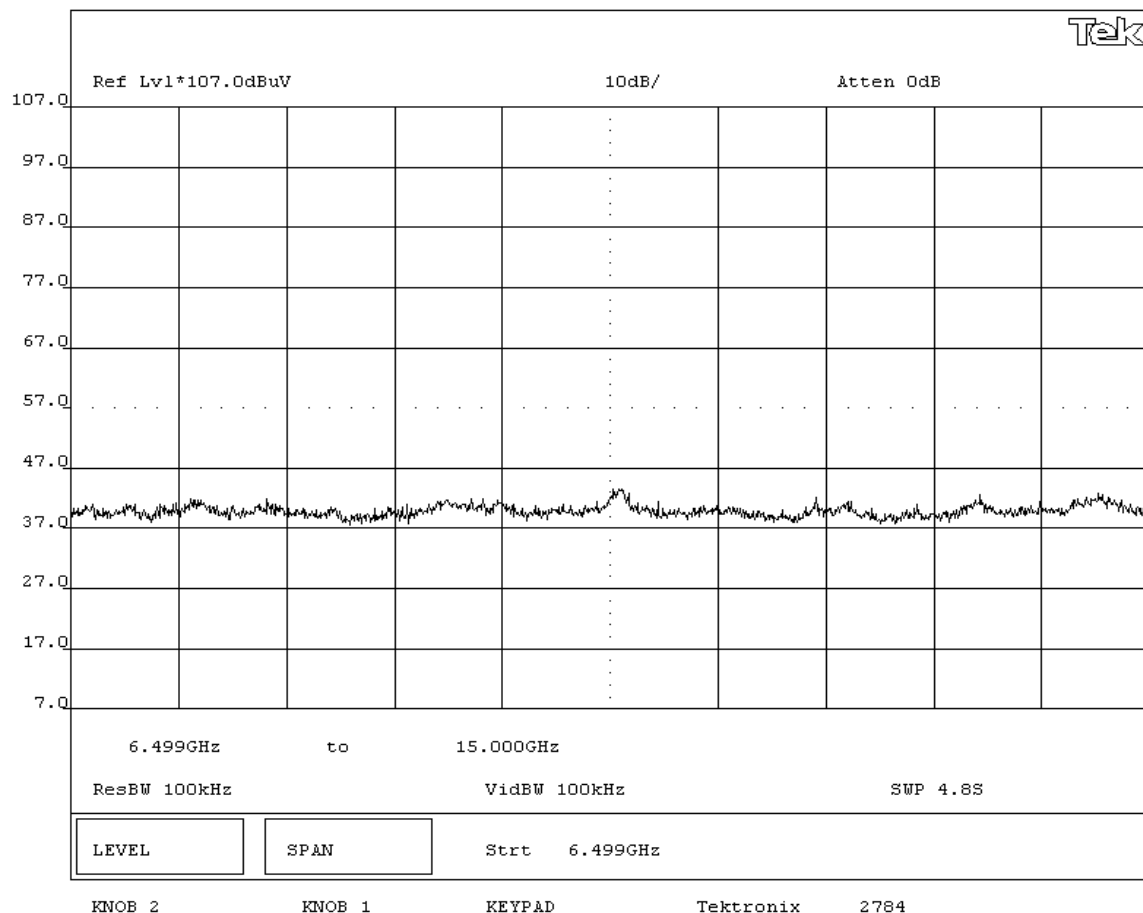
Pass

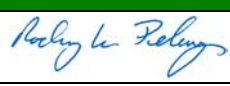
SIGNATURE

Tested By: _____

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam			Work Order: POLV0012		
Serial Number: E0200066			Date: 02/21/02		
Customer: PolyVision Corporation			Temperature: 23 degrees C		
Attendees: Guy Williams		Tested by: Rod Peloquin		Humidity: 38% RH	
Customer Ref. No.: N/A		Power: N/A		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(c)		Year: Most Current		Method: DA 00-705, ANSI C63.4	
				Year: 1992	
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Modulated by PRBS at maximum data rate. Maximum output power.					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
RESULTS					
Pass					
SIGNATURE					
<div style="text-align: center;">  Tested By: _____ </div>					
DESCRIPTION OF TEST					
Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz					

