

Exhibit R: Occupied Bandwidth

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.

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	Tektronix	2784	AAO	03/08/2001	24 mo

Test Description

Requirement: Per 47 CFR 15.247(a)(1)(ii), the 20 dB bandwidth of a hopping channel must be less than 1 MHz. The measurement is made with the spectrum analyzer's resolution bandwidth set to $\geq 1\%$ of the 20dB bandwidth, and the video bandwidth set to greater than or equal to the resolution bandwidth.

Configuration: The occupied bandwidth was measured with the EUT set to low, medium, and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at its maximum data rate in a no hop mode.

Completed by:



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

EUT: CopyCam			Work Order: POLV0019		
Serial Number: A0200415			Date: 10/03/02		
Customer: Polyvision Corp.			Temperature: 23 degrees C		
Attendees: Guy Williams, Terry Skelton		Tested by: Greg Kiemel	Humidity: 38% RH		
Customer Ref. No.: N/A		Power: N/A	Job Site: EV06		

TEST SPECIFICATIONS

Specification: 47 CFR 15.247(a)(1)(II)	Year: Most Current	Method: DA 00-705, ANSI C63.4	Year: 1992
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SAMPLE CALCULATIONS**COMMENTS****EUT OPERATING MODES**

Modulated by "FFFF" at maximum data rate

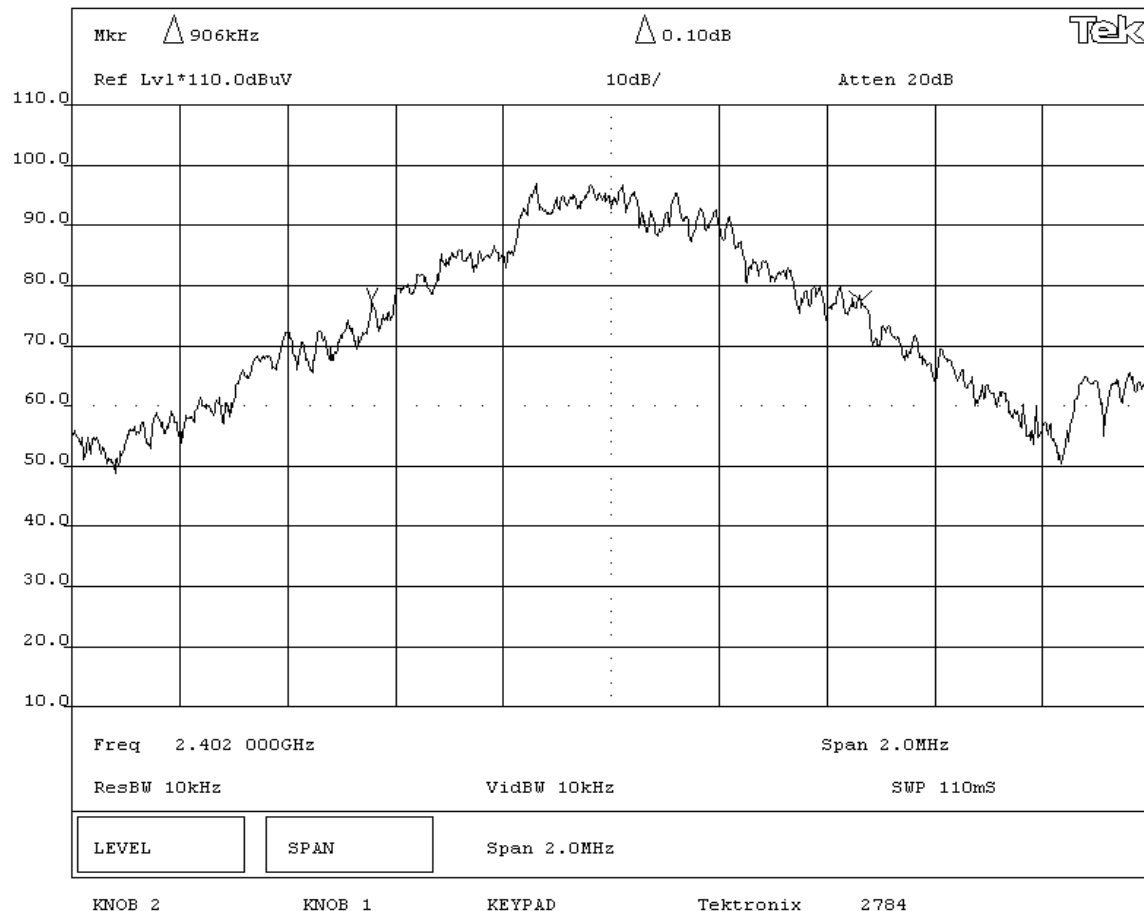
DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

The maximum 20dB bandwidth of the hopping channel is 1 MHz

RESULTS	BANDWIDTH
Pass	906 kHz

SIGNATURETested By: **DESCRIPTION OF TEST****20dB Bandwidth - Low Channel**

NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

EUT: CopyCam			Work Order: POLV0019		
Serial Number: A0200415			Date: 10/03/02		
Customer: Polyvision Corp.			Temperature: 23 degrees C		
Attendees: Guy Williams, Terry Skelton		Tested by: Greg Kiemel	Humidity: 38% RH		
Customer Ref. No.: N/A		Power: N/A	Job Site: EV06		

TEST SPECIFICATIONS

Specification: 47 CFR 15.247(a)(1)(ii)	Year: Most Current	Method: DA 00-705, ANSI C63.4	Year: 1992
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SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by "FFFF" at maximum data rate

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

The maximum 20dB bandwidth of the hopping channel is 1 MHz

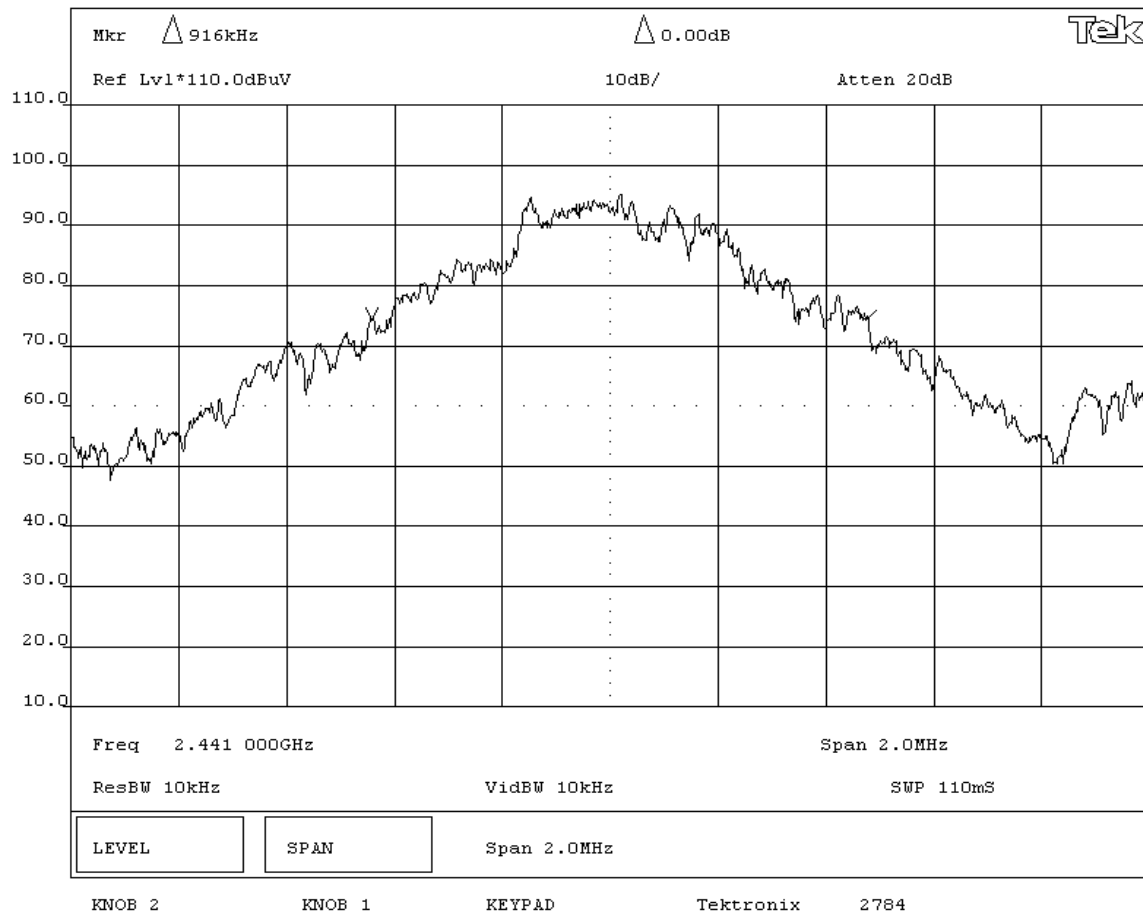
RESULTS	BANDWIDTH
Pass	916 kHz

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

20dB Bandwidth - Mid Channel



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: CopyCam			Work Order: POLV0019		
Serial Number: A0200415			Date: 10/03/02		
Customer: Polyvision Corp.			Temperature: 23 degrees C		
Attendees: Guy Williams, Terry Skelton		Tested by: Greg Kiemel	Humidity: 38% RH		
Customer Ref. No.: N/A		Power: N/A	Job Site: EV06		
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(a)(1)(ii)		Year: Most Current	Method: DA 00-705, ANSI C63.4		Year: 1992
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Modulated by "FFFF" at maximum data rate					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
The maximum 20dB bandwidth of the hopping channel is 1 MHz					
RESULTS			BANDWIDTH		
Pass			908 kHz		
SIGNATURE					
 Tested By: _____					
DESCRIPTION OF TEST					
20dB Bandwidth - High Channel					

