Exhibit J: Peak Output Power

FCC ID: EJM-X400

Peak Output Power

Revision 2/4/02

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:
High
Mid
Low

Operating Modes Investigated:

Typical

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	Standard Production Software	Version	2.1.0.104-4400		
Description					
The system was tested using standard operating production software to exercise the functions of the device during the testing. The software resides in Flash on the baseboard of the EUT.					

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
Radio Module	Intel Corporation	WL-350F V05	00904B0A83FD
EUT	Intel Corporation	AnyPoint DSL Gateway 4400	0007E9036749
PC	Dell	Inspiron 7000	9043346BY16251A
EUT Power Supply	CUI Stack	TEAD-48-121200UT	0210

Peak Output Power

Revision 2/4/02

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
CAT 5 E-net	No	2.0	No	EUT	PC
DC Power	No	1.5	No	EUT Power Supply	EUT
AC Power	No	1.8	No	EUT Power Supply	AC Mains

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	8593E	AAA	04/08/2002	12 mo

Test Description

Requirement: Per 47 CFR 15.247(b)(1), the maximum peak output power must not exceed 1 Watt. The measurement is made using either a peak power meter, or a spectrum analyzer.

If a spectrum analyzer is used, the resolution bandwidth must be set to greater than the 6 dB bandwidth of the modulated carrier, and the video bandwidth set to greater than or equal to the resolution bandwidth. If the largest resolution bandwidth is less than the 6 dB bandwidth of the modulated carrier, the analyzer band power function can be used with these settings:

- Set RBW = VBW = Max
- Set Channel Bandwidth = Bandwidth of modulated carrier plus the resolution bandwidth
- Set Frequency Span just large enough to capture emission
- User peak detector only set to max hold

(This alternate method was presented by Joe Dichoso of the FCC's OET Division at an FCC Workshop for TCBs, Feb 14, 2002)

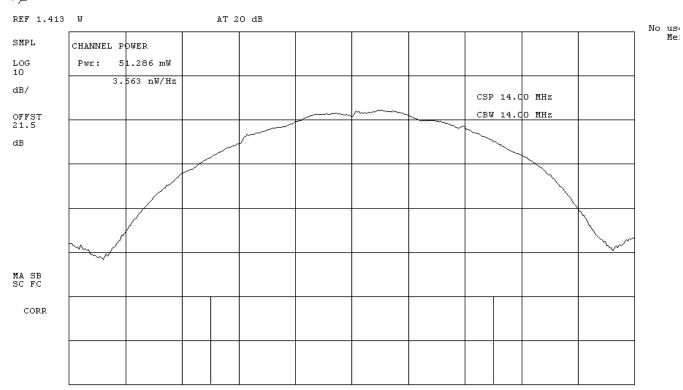
Configuration: The 4400 and 1400 use the same radio module, antennas, power supply, base board layout, and enclosure. The difference is the 4400 has a DSL interface, and the 1400 has an Ethernet interface. Since the radio module is the same, the test was performed in a representative system: the 4400. The peak output power 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 a spectrum analyzer. The EUT was transmitting at its maximum data rate and maximum output power.

De Facto EIRP Limit: Per 47 CFR 15.247 (b)(1-3), the EUT meets the de facto EIRP limit of +36dBm.

Completed by:

NORTHWEST EMISSIONS DATA SHEET Rev BET 013001							
EUT: AnyPoint DSL Gateway 4400 Work Order: INTE4561							
Serial Number: 0007E9036749	Date:	05/21/02					
Customer: Intel Corporation	Temperature:	21 degrees C					
Attendees: Mike Espig	Tested by: Greg Kiemel			39% RH			
Customer Ref. No.: N/A		Power: 120V, 60 Hz	Job Site:	EV06			
TEST SPECIFICATIONS							
Specification: 47 CFR 15.247(b)(1)	Year: Most Current	Method: FCC 97-114, ANSI C63	.4 Year:	1992			
COMMENTS Maximum Output Power at Maximum Data Rate. WL-350F installed in EUT. EUT OPERATING MODES Modulated by PRBS at maximum data rate DEVIATIONS FROM TEST STANDARD							
None REQUIREMENTS							
Maximum peak conducted output power does not exce	ed 1 Watt		·				
RESULTS	ou i trutt	AMPLITUDE					
EGOLIS AMPLITUDE 38S 51.29 mW							
SIGNATURE							
Tested By:							
DESCRIPTION OF TEST							
Output Power - Low Channel							

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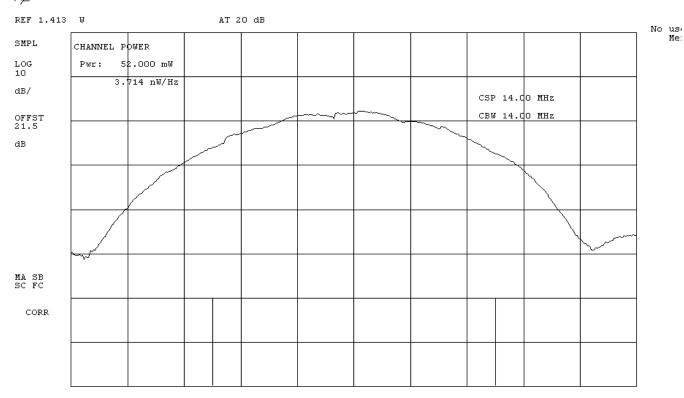
CENTER 2.41200 GHz SPAN 28.00 MHz SWP 20.0 msec

#RES BW 3.0 MHz #VBW 3 MHz

EMC EMISSIONS DATA SHEET						
EUT: AnyPoint DSL Gateway 4400	Work Order:	INTE4561				
Serial Number: 0007E9036749					05/21/02	
Customer: Intel Corporation					21 degrees C	
Attendees: Mike Espig	Attendees: Mike Espig			Humidity:	39% RH	
Customer Ref. No.: N/A		Power:	120V, 60 Hz	Job Site:	EV06	
TEST SPECIFICATIONS						
Specification: 47 CFR 15.247(b)(1)	Year: Most Current	Method:	FCC 97-114, ANSI C63.	4 Year:	1992	
COMMENTS Maximum Output Power at Maximum Data Rate. WL-35 EUT OPERATING MODES Modulated by PRBS at maximum data rate DEVIATIONS FROM TEST STANDARD None	0F installed in EUT.					
REQUIREMENTS Maximum peak conducted output power does not exce	and 1 Watt					
RESULTS	ou i mutt	AMPLITUDE				
AND SERVICES AND SERVICES SERV						
Tested By:						
DESCRIPTION OF TEST						
Output Power - Mid Channel						

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#RES BW 3.0 MHz



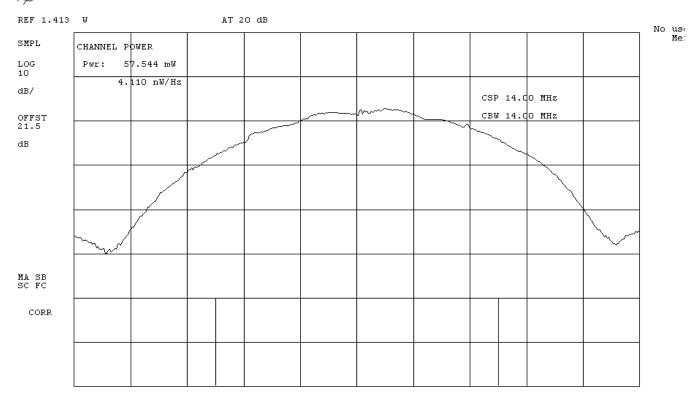
CENTER 2.43800 GHz SPAN 28.00 MHz

#VBW 3 MHz

SWP 20.0 msec

NORTHWEST EMISSIONS DATA SHEET REV BETA 01/300/1						
EUT: AnyPoint DSL Gateway 4400 Work Order: INTE4561						
Serial Number: 0007E9036749	Date:	05/21/02				
Customer: Intel Corporation	Temperature:	21 degrees C				
Attendees: Mike Espig	lees: Mike Espig Tested by: Greg Kiemel			39% RH		
Customer Ref. No.: N/A		Power: 120V, 60 Hz	Job Site:	EV06		
TEST SPECIFICATIONS						
Specification: 47 CFR 15.247(b)(1) Yea	r: Most Current	Method: FCC 97-114, ANSI C63	.4 Year:	1992		
COMMENTS Maximum Output Power at Maximum Data Rate. WL-350F installed EUT OPERATING MODES Modulated by stream of "1010101" data at maximum data rate, ma DEVIATIONS FROM TEST STANDARD None REQUIREMENTS						
Maximum peak conducted output power does not exceed 1 Watt						
RESULTS		AMPLITUDE				
Pass 57.54 mW						
Tested By:	_					
DESCRIPTION OF TEST						
Output Power - High Channel						

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CENTER 2.46200 GHz SPAN 28.00 MHz