

Exhibit Q: Peak Output Power

FCC ID: HN2PC24-11

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:

Typical

Data Rates Investigated:

Maximum

Output Power Setting(s) Investigated:

Maximum

Power Input Settings Investigated:

5VDC

Software\Firmware Applied During Test

Exercise software	FCCTST24.BIN	Version	Unknown
Description			
The system was tested using the FCCTST24.BIN software to exercise the functions of the device during the testing.			

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-PCMCIA Card	INTERMEC	P24-11-FC/R	02UT34371446
Extender Card	Swart Interconnect	EXT-PCM-68-SM3	060501-212
Host Device	INTERMEC	2435	27300200205
5VDC Adapter	INTERMEC	0-302029-01	N/A

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
5VDC power	No	1.9	PA	5VDC Adapter	EUT

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	8594E	AAD	05/31/2002	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

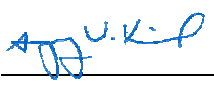
(This alternate method was presented by Joe Dichoso of the FCC's OET Division at an FCC Workshop for TCBs, Feb 14, 2002)

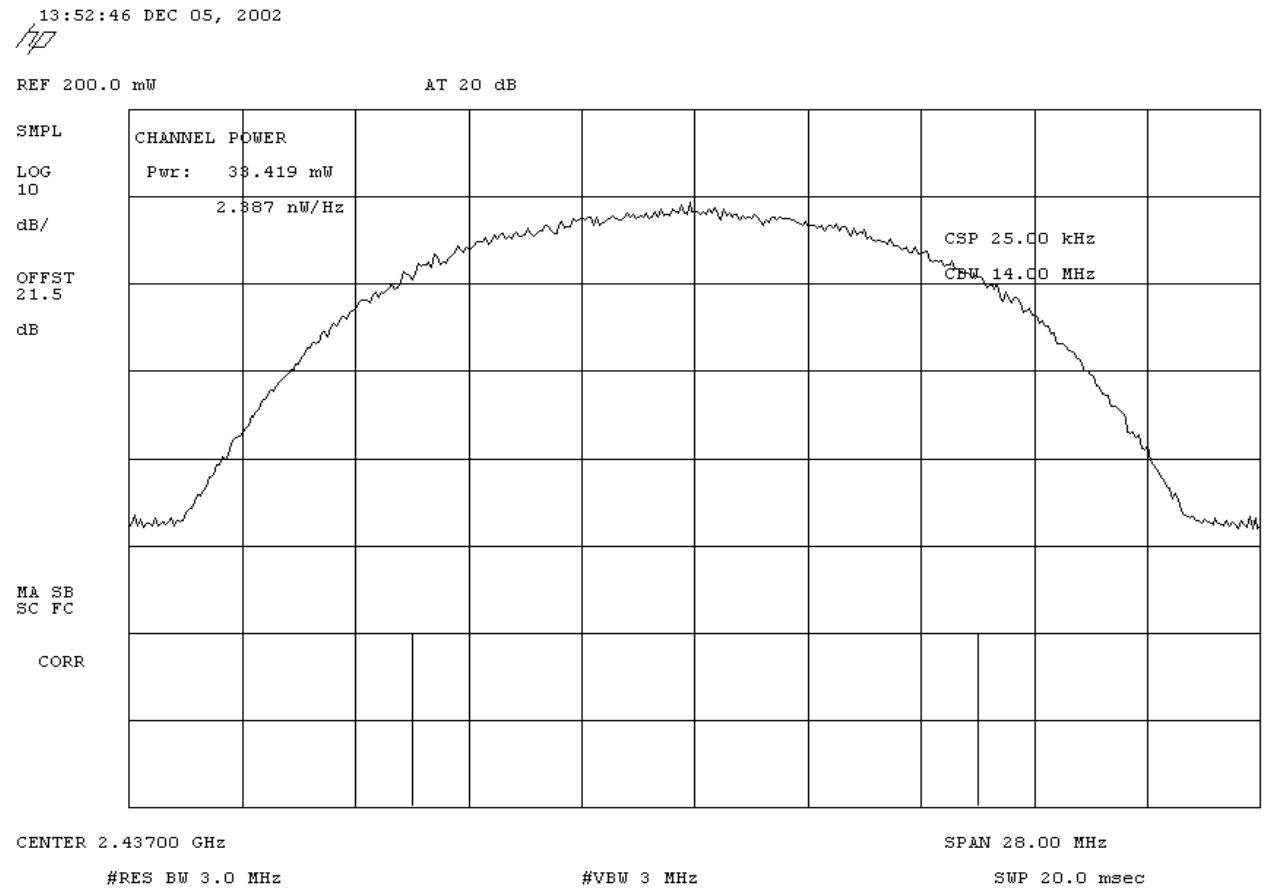
Configuration: The peak output power was measured with the EUT set to low, medium, and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was transmitting at its maximum data rate and maximum output power.

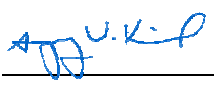
De Facto EIRP Limit: Per 47 CFR 15.247 (b)(1-3), the EUT meets the de facto EIRP limit of +36dBm.

Completed by:



EMISSIONS DATA SHEET				Transmitters	
NORTHWEST				Rev	
EMC				df11/15/02	
EUT: PC24-11-FC/R		Work Order: INMC0036			
Serial Number: 02UT34371446		Date: 12/05/02			
Customer: INTERMEC Corporation		Temperature: 22 °C			
Attendees: None		Humidity: 41%			
Customer Ref. No.: None		Bar. Pressure: 30.12			
Tested by: Greg Kiemel		Power: 5VDC		Job Site: EV01	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(b)(1)		Year: Most Current	Method: FCC 97-114, ANSI C63.4		Year: 1992
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Maximum output power at maximum data rate					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum peak conducted output power does not exceed 1 Watt					
RESULTS					
Pass			AMPLITUDE		
			33.4 mW		
SIGNATURE					
 Tested By: _____					
DESCRIPTION OF TEST					
Mid Channel					



EMISSIONS DATA SHEET				Transmitters	
NORTHWEST				Rev	
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SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
Maximum output power at maximum data rate					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Maximum peak conducted output power does not exceed 1 Watt					
RESULTS					
Pass			AMPLITUDE		
			31.9 mW		
SIGNATURE					
 Tested By: _____					
DESCRIPTION OF TEST					
High Channel					

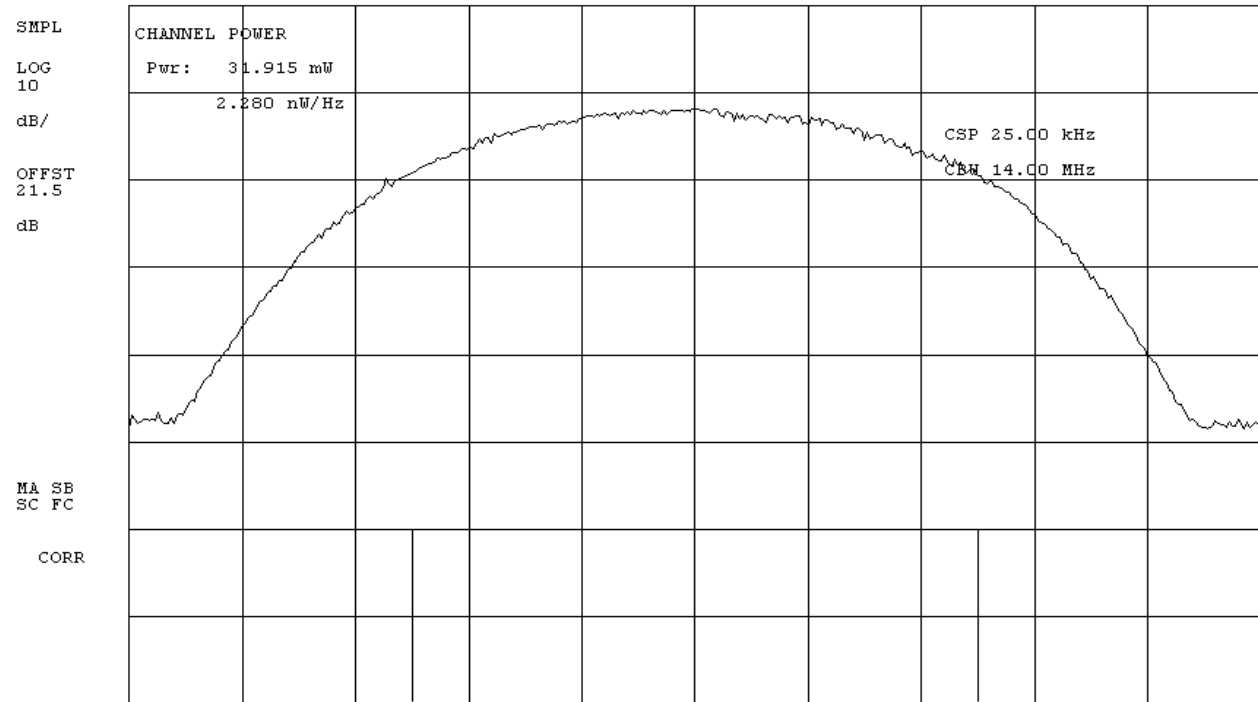
14:04:16 DEC 05, 2002



REF 200.0 mW

AT 20 dB

No use
Mer



CENTER 2.46200 GHz

SPAN 28.00 MHz

#RES BW 3.0 MHz

#VBW 3 MHz

SWP 20.0 msec