

Exhibit G: Output Power

FCC ID: CW21669-3

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 Operating Band Investigated:

Low Channel - 152.87 MHz

Mid Channel - 161 MHz

High Channel - 170 MHz

Operating Modes Investigated:

Un-modulated carrier

Data Rates Investigated:

N/A – carrier not modulated

Output Power Investigated:

+20 dBm (not user adjustable)

Power Input Settings Investigated:

Battery operated. Cannot be operated while connected to AC mains or any other power source

Frequency range Investigated

Start Frequency	152.87 MHz	Stop Frequency	170 MHz
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Software\Firmware Applied During Test

Exercise software	1669-3 Firmware	Version	1.4
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Description

The system was tested using standard operating production 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
Test Box	Rothenbuhler Engineering	1669-3	111

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Serial	No	1.8	No	Test Box	Unterminated
Test Probe	No	0.5	No	Test Box	Antenna Terminal

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

Measurement Equipment

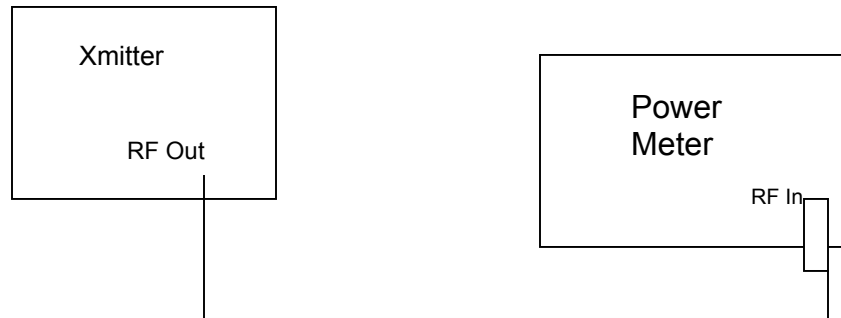
Description	Manufacturer	Model	Identifier	Last Cal	Interval
Power Meter	Hewlett Packard	E4418A	SPA	04/09/2001	12 mo
Power Sensor	Hewlett-Packard	8481H	SPB	07/10/2000	24 mo

Test Description

Requirement: Per 47 CFR 2.1046 and 90.205, the conducted power output was measured at the RF output terminals after the tune-up procedure. The measured value, the value stated in the manual, and the value on Form 731 must agree.


Configuration: A power meter was used to measure the output power of the unmodulated carrier.

Test Setup



Completed by:

U.K.P.

NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT:	Test Box Model 1669-3			Work Order:	ROTH0001
Serial Number:	111			Date:	01/07/02
Customer:	Rothenbuhler Engineering			Temperature:	73 F
Attendees:	Herb Hainey	Tested by:	Greg Kiemel	Humidity:	38% RH
Customer Ref. No.:	N/A	Power:	N/A	Job Site:	SU03
TEST SPECIFICATIONS					
Specification:	47 CFR 2.1046 & 90.205	Year:	Most Current	Method:	TIA/EIA-603
				Year:	1993
SAMPLE CALCULATIONS					
COMMENTS					
EUT OPERATING MODES					
No modulation. CW mode.					
DEVIATIONS FROM TEST STANDARD					
None					
REQUIREMENTS					
Manufacturer's specification or 3 W; whichever is less					
RESULTS			AMPLITUDE		
Pass					
SIGNATURE					
<div>  </div> <div> Tested By: _____ </div>					
DESCRIPTION OF TEST					
Output Power - Low, Mid, & High Channels					
Frequency (MHz)			Power (dBm)		
152.87			20.14 dBm (104 mW)		
161.00			20.00 dBm (100mW)		
170.00			20.10 dBm (102 mW)		