

APPLICANT: ACROWAVE SYSTEMS CO., LTD.

FCC ID: PE6AWL-1100C

NAME OF TEST: RADIATED SPURIOUS EMISSIONS INTO ADJACENT  
RESTRICTED BAND

REQUIREMENTS: Emissions that fall in the restricted bands  
(15.205). These emissions must be less than  
or equal to 500 uV/m (54 dBuV/m).

TEST PROCEDURE: An in band field strength measurement of the  
fundamental emissions using the RBW and  
detector function required by C63.4-2000 and  
FCC rules. The procedure was repeated with  
an average detector and a plot made. The  
calculated field strength in the adjacent  
restricted band is presented below.

-102.60 dBm - from Plot  
+ 29.21 dB - ACF  
+ 1.1 dB - Coax Loss

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- 72.99 dBm  
+107.00

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34.71 dBuV

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hp

REF -45.0 dBm    ATTEN 0 dB    +0 dB

MKR 2.483 52 GHz  
-102.60 dBm

10 dB/

OFFSET  
-35.0  
dB

DL  
-95.0  
dBm

MARKER  
2.483 52 GHz  
-102.60 dBm



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START 2.458 0 GHz

RES BW 1 MHz (i)

VBW 10 Hz

STOP 2.487 7 GHz

SWP 14.3 sec

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NAME OF TEST: POWER SPECTRAL DENSITY  
RULES PART NUMBER: 15.247(d)  
REQUIREMENTS: The peak level measured must be no greater than  
+8.0dBm.

DATA: THE PLOT IS ON THE NEXT PAGE.  
The level at 2413.182MHz was -24.10dBm.  
Calculation: - 72.1 dBm  
+ 13.0 dB ATT  
+ 35.0 Correction Factor

NAME OF TEST: PROCESSING GAIN

RULES PART NUMBER: 15.247(e)

REQUIREMENTS:

DATA: The processing gain information supplied by the manufacturer  
is 10.0dB.

See Exhibits 7A-7F and 8A-8C for processing gain test  
methods and data.

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SPECTRAL DENSITY

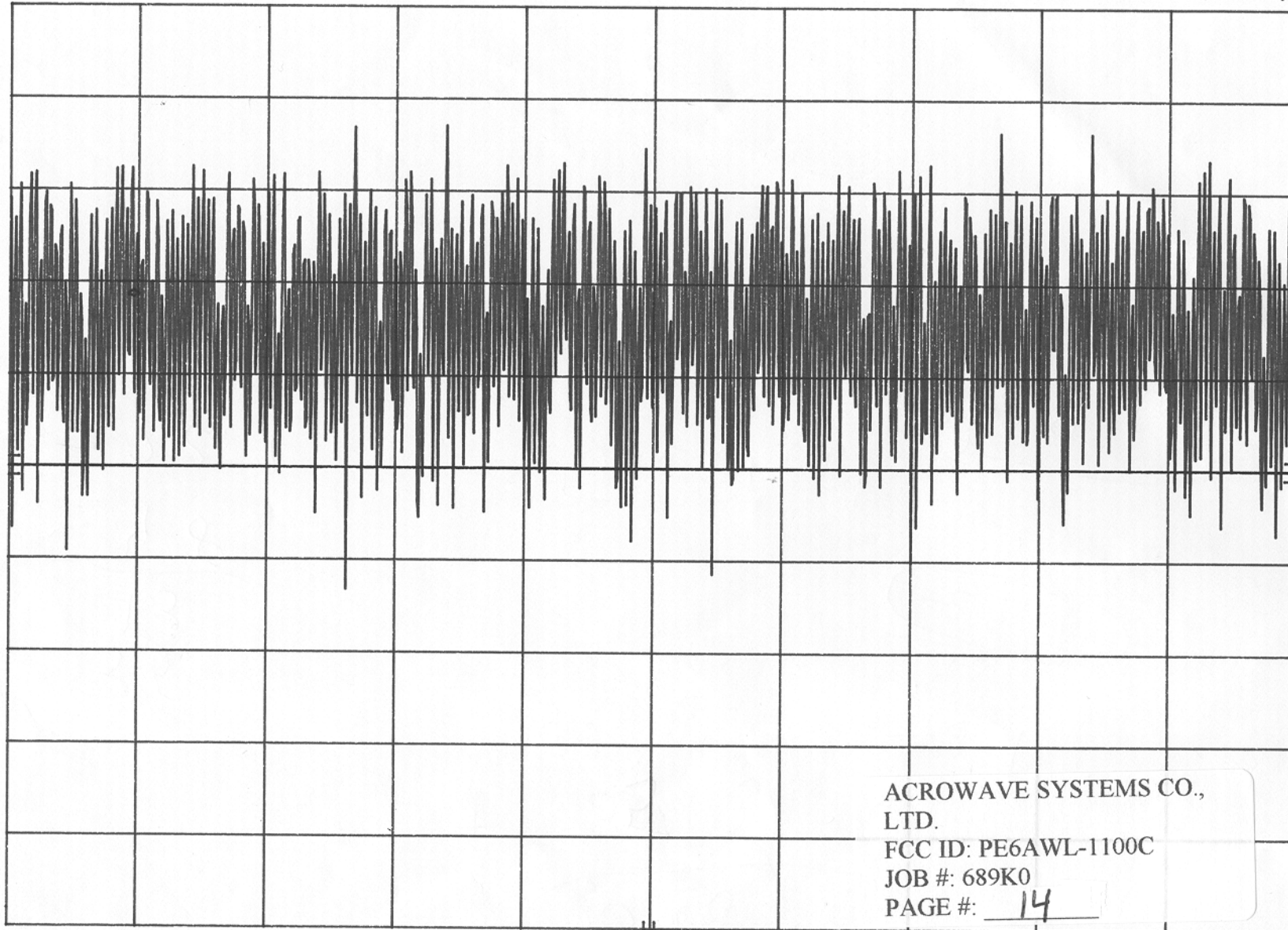
MKR 2.413 182 GHz  
-72.10 dBm (1Hz)

hp REF -10.0 dBm ATTEN 0 dB + 20 dB

10 dB/

SAMPLE

DL  
-60.0  
dBm



ACROWAVE SYSTEMS  
JOB #: 689U0  
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LTD.  
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CENTER 2.413 98 GHz  
RES BW 3 kHz (i)

VBW 30 kHz

SPAN 2.00 MHz  
SWP 500 sec