

APPLICANT: **BACKMI CORPORATION**

FCC ID: **RNDDA579B**

**NAME OF TEST: RADIATED SPURIOUS EMISSION INTO ADJACENT
RESTRICTED BAND**

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

TEST PROCEDURE An in band field strength measurement of the fundamental emission 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.

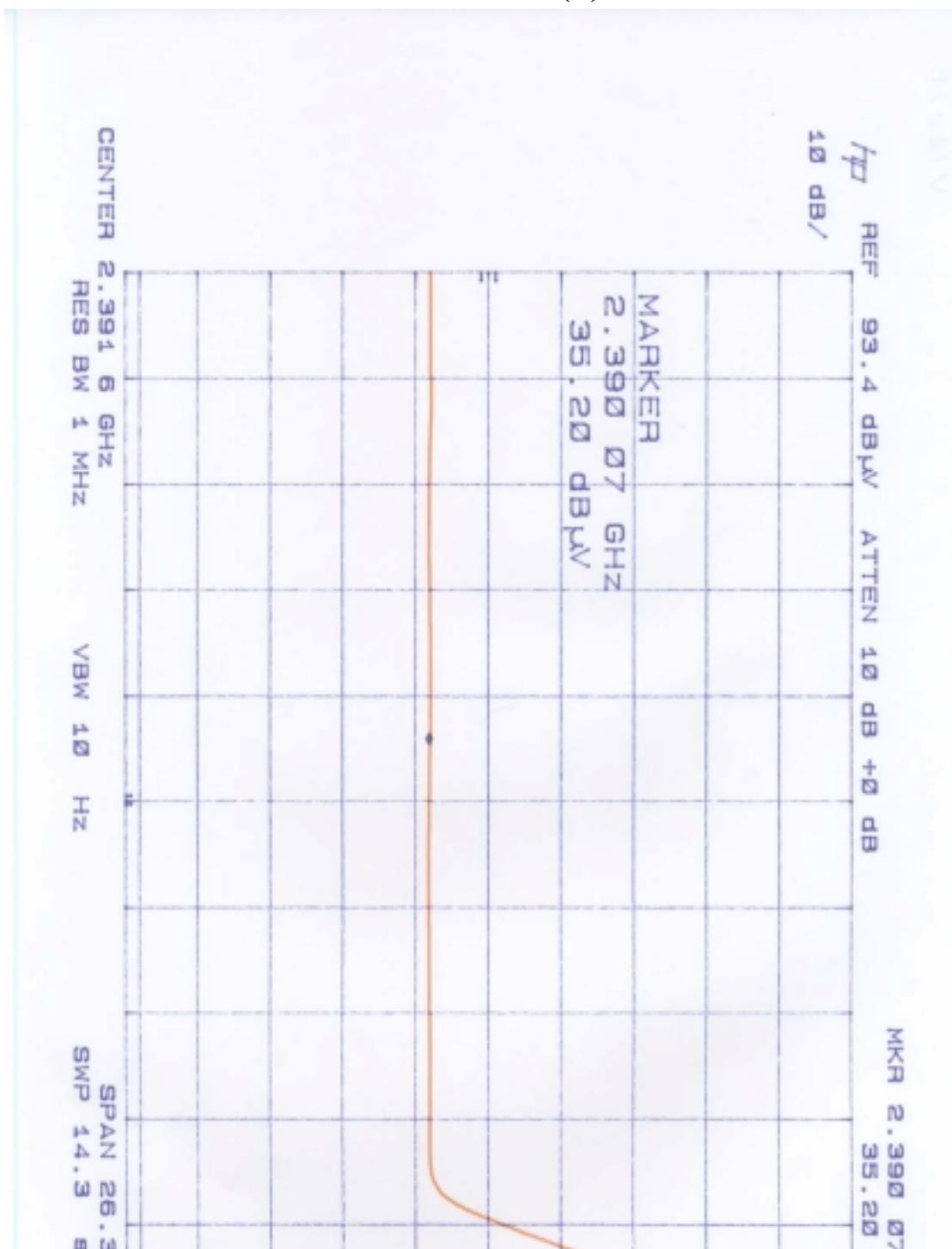
BASE

FRQU	2390(MHz)		2483.5(MHz)	
	AV	AV	AV	AV
Ant Pol	H	V	H	V
S/A Reading	35.1	35.2	35.1	35.3
ACF	27.6	27.6	27.7	27.7
Coax loss	3.2	3.2	3.3	3.3
Amp Gain	31.5	31.5	32.8	32.8
Duty Factor	-6.6	-6.6	-6.6	-6.6
RESULT	27.8	27.9	26.7	26.9

Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor

Bandedge measurements were made using special test software that locked the unit on one frequency (2410 or 2470) or the other so that measurements could be made. The duration of these measurements were kept short repeated so as to keep the RF amplifiers from overheating

BASE RESTRICTED BAND 2390MHz(H)

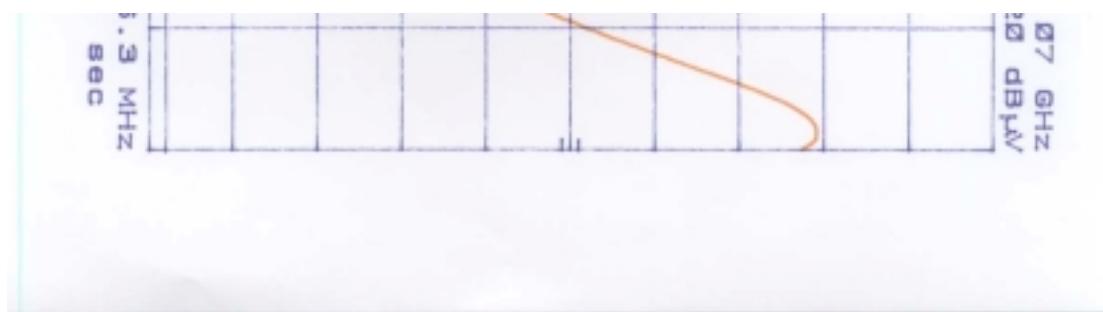


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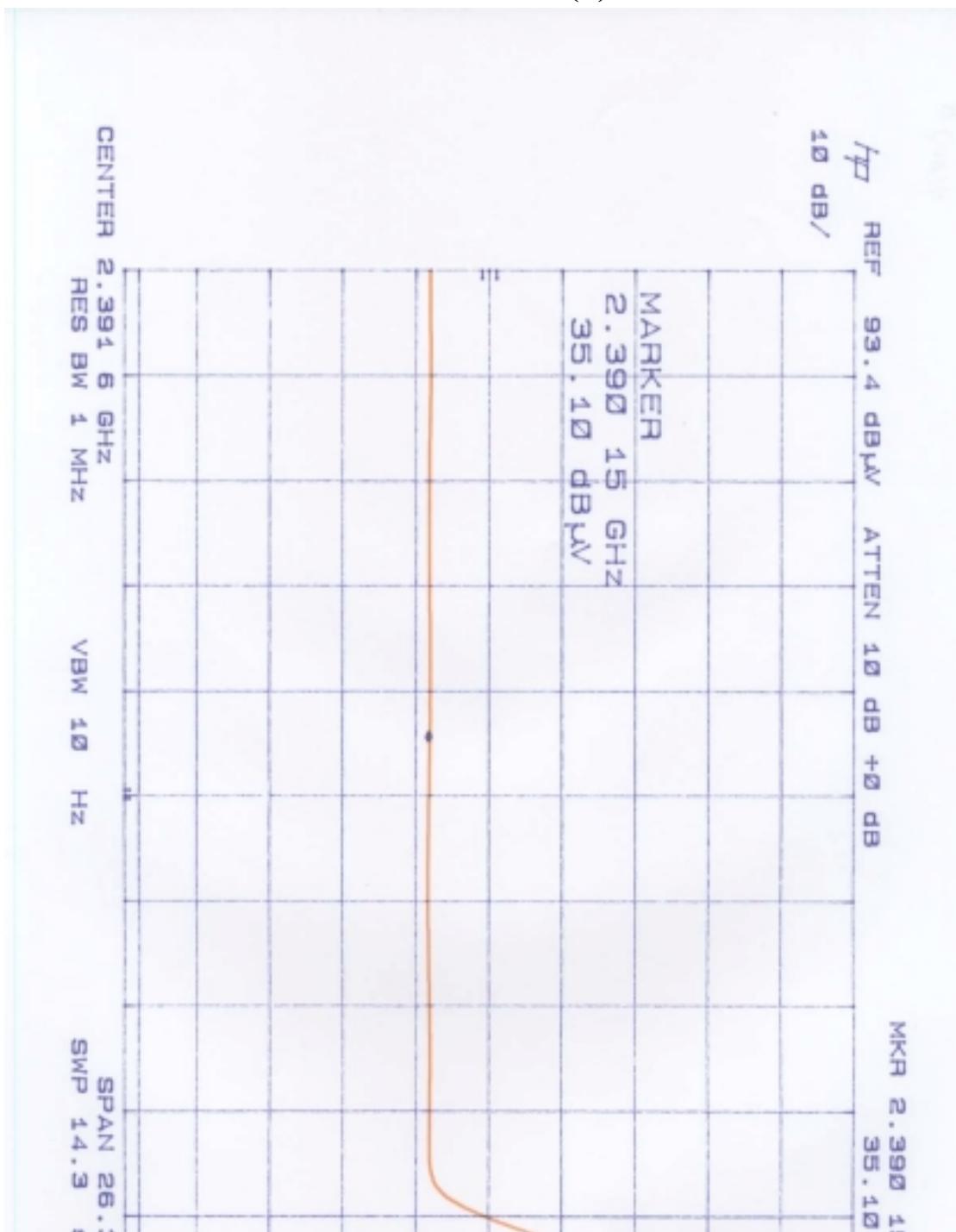
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BASE RESTRICTED BAND 2390MHz(V)

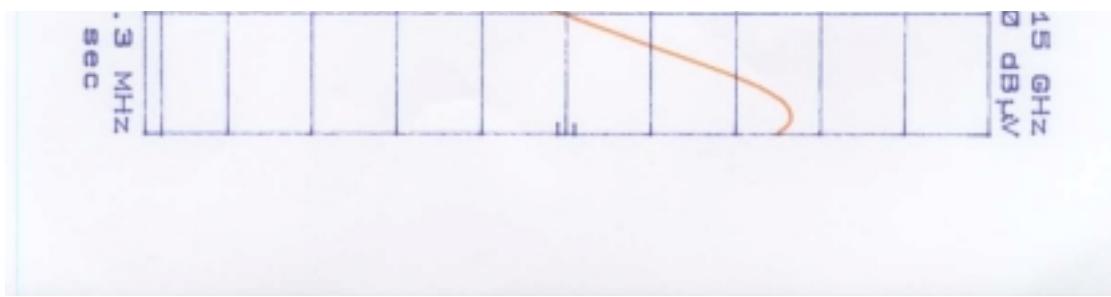


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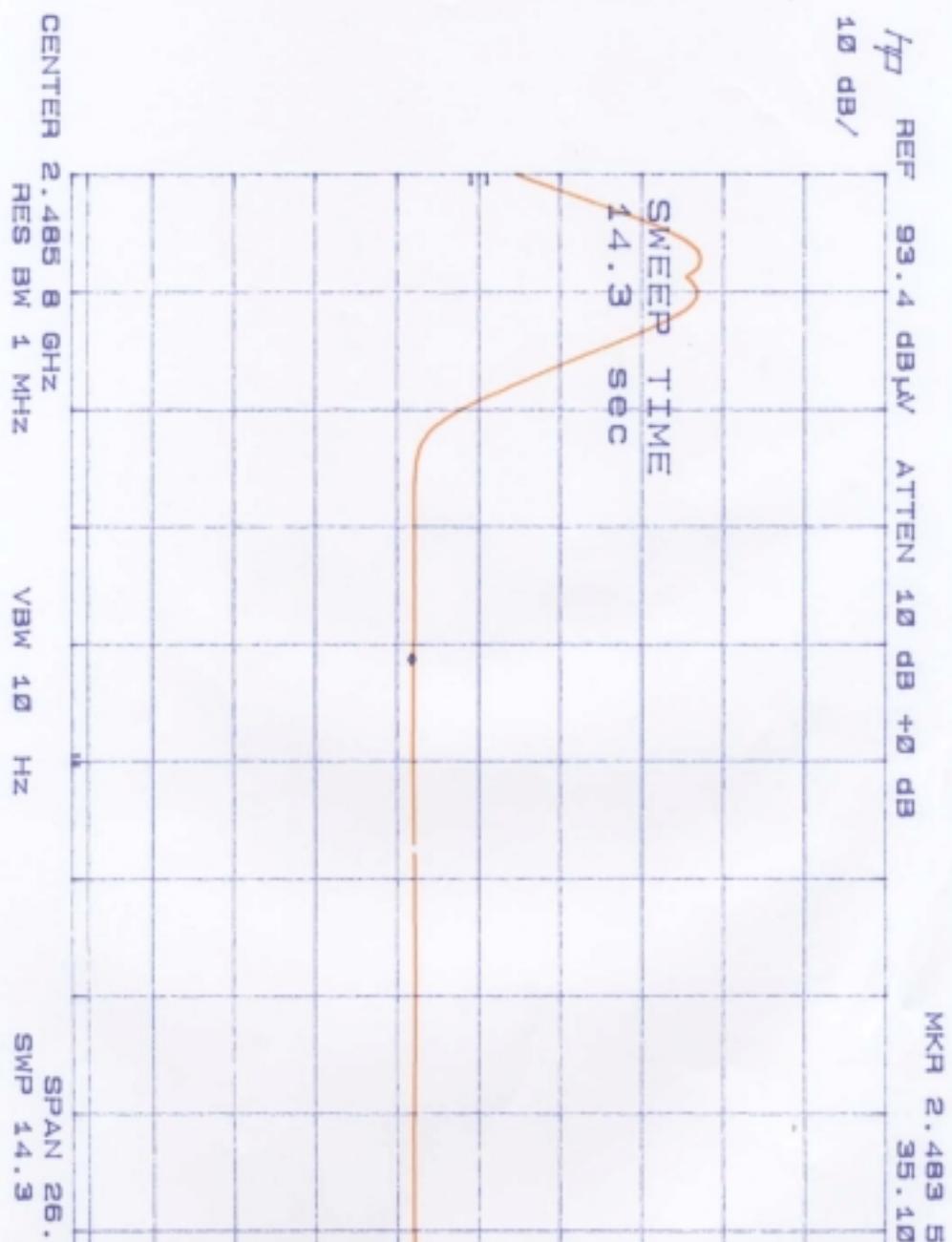
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BASE

RESTRICTED BAND 2483.5MHz(H)

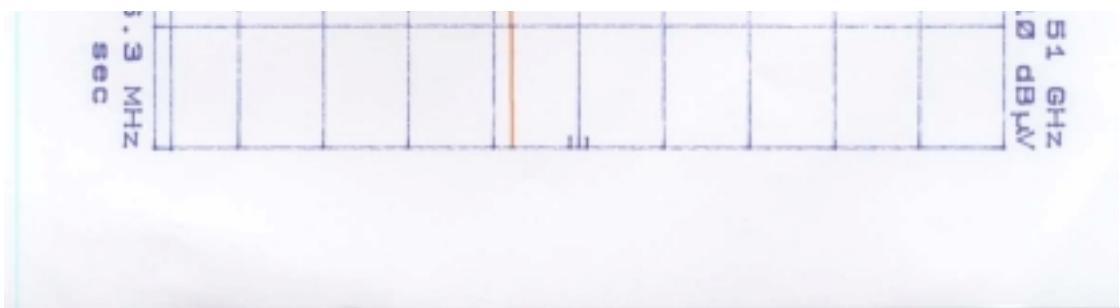


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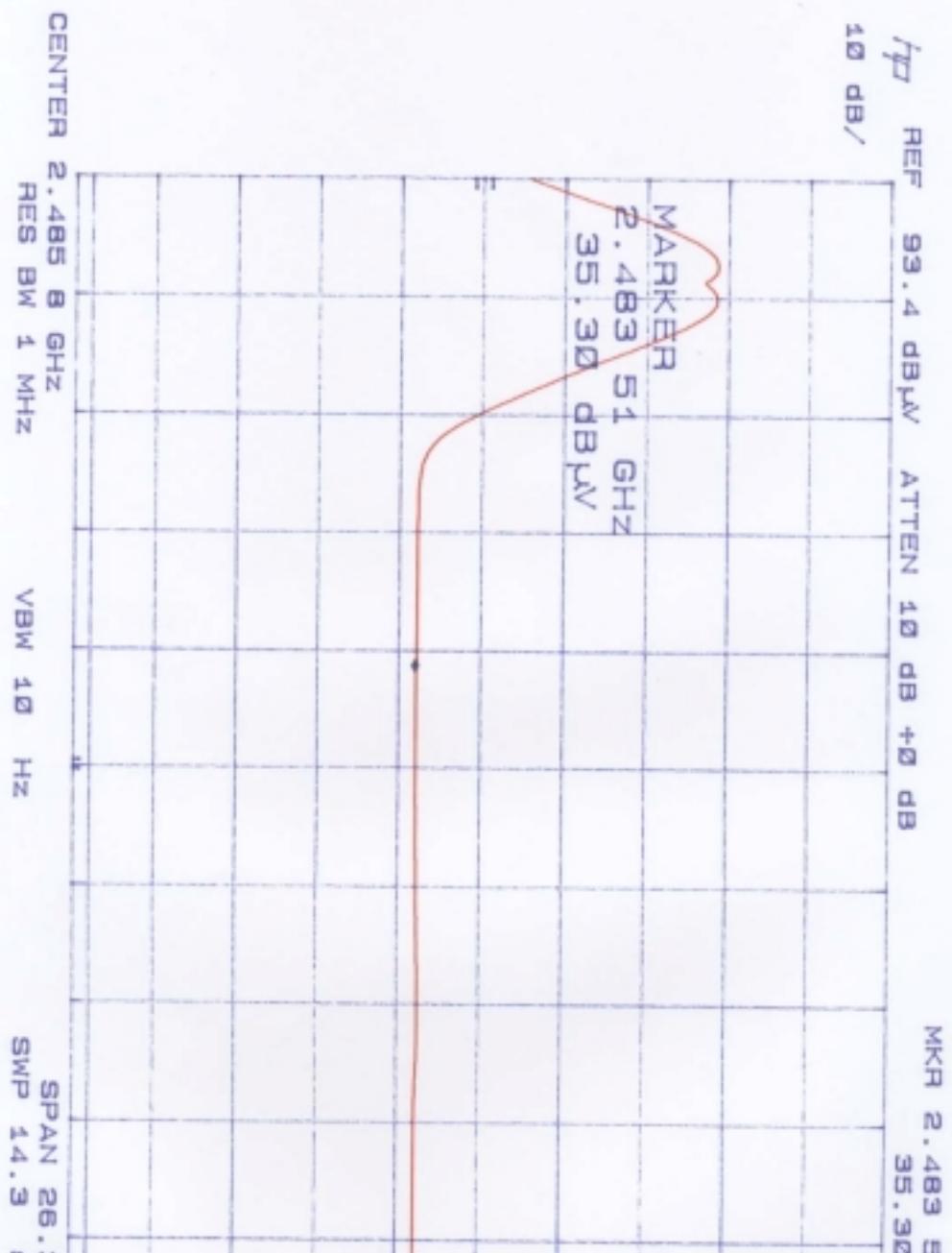
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BASE RESTRICTED BAND 2483.5MHz(V)



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APPLICANT: **BACKMI CORPORATION**

FCC ID: **RNDDA579B**

NAME OF TEST: **POWER SPECTRAL DENSITY (Conducted)**

RULES PART NUMBER: **15.247 (d)**

REQUIREMENTS: **The power spectral density averaged over any 1 second interval shall not be greater than 8dBm in any 3KHz bandwidth within these bands.**

TEST DATA:

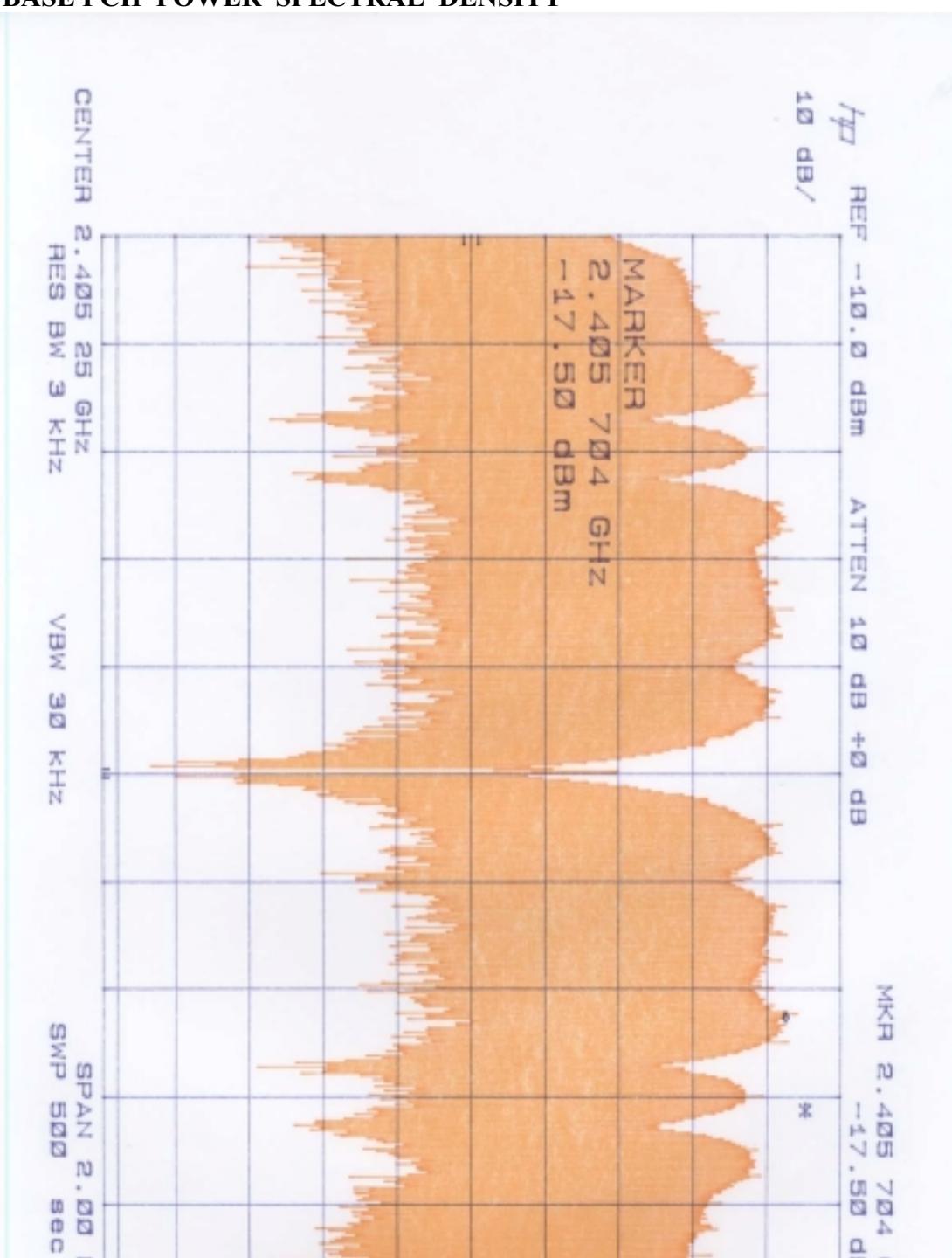
The spectrum lone spacing couls notbe resolved so the noise power density was measured;

Measurement Method:

Starting from the setting that were used for the 6 dB bandwidth the Peak signal was located and the span was reduced and the sweep time increased in a manner to maintain calibration and to keep the pea emission in the display, then the sweep time was increased to 500seconds at 1.5Mhz span and a RBW changed to 3kHz. The spectrum analyzer was put into the noise power mode and the plots mode.

BASE	CHANNEL	dBm	LIMIT
	1	-17.5	Less than
	20	-15.7	8
	40	-9.6	dBm

BASE I CH POWER SPECTRAL DENSITY



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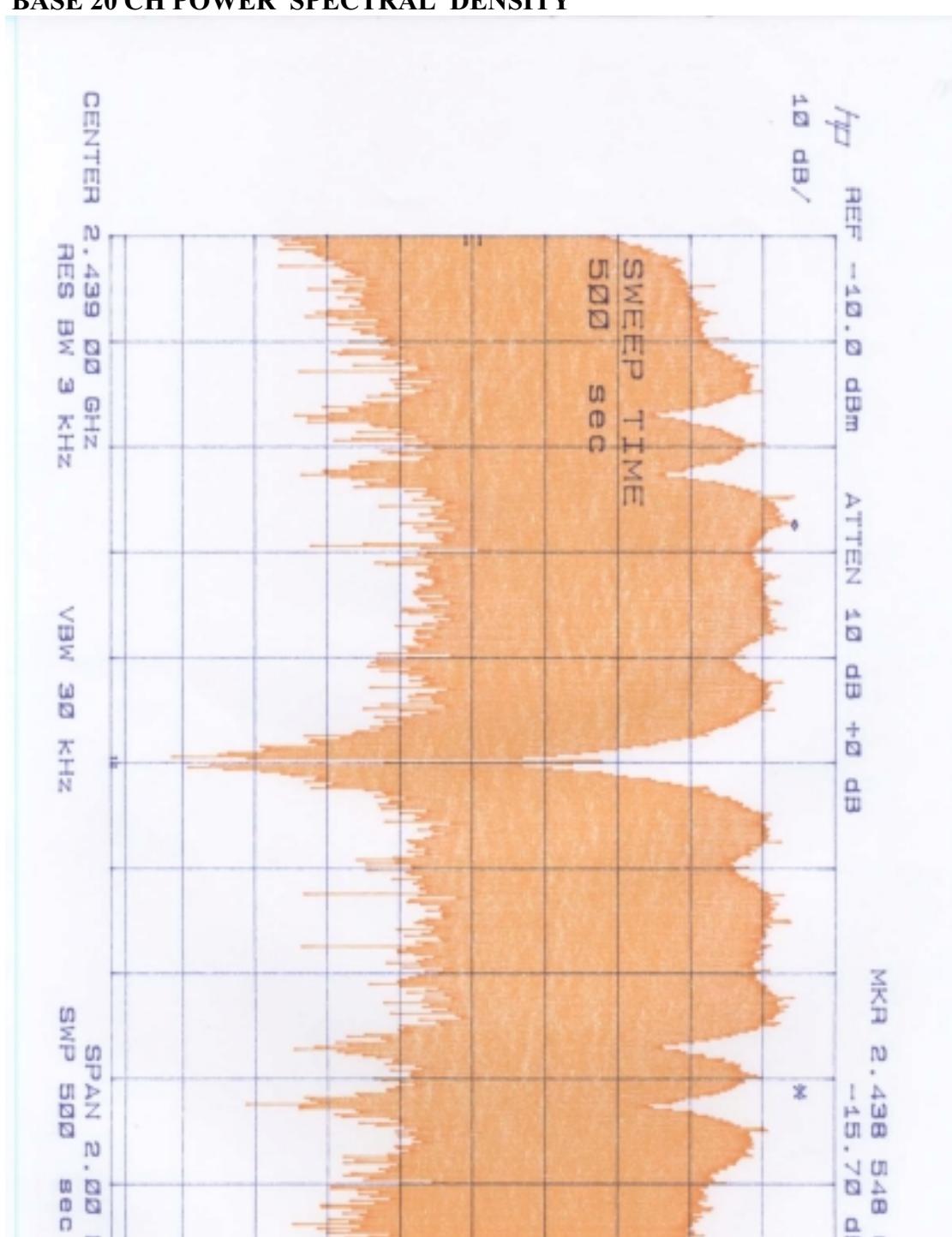
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BASE 20 CH POWER SPECTRAL DENSITY



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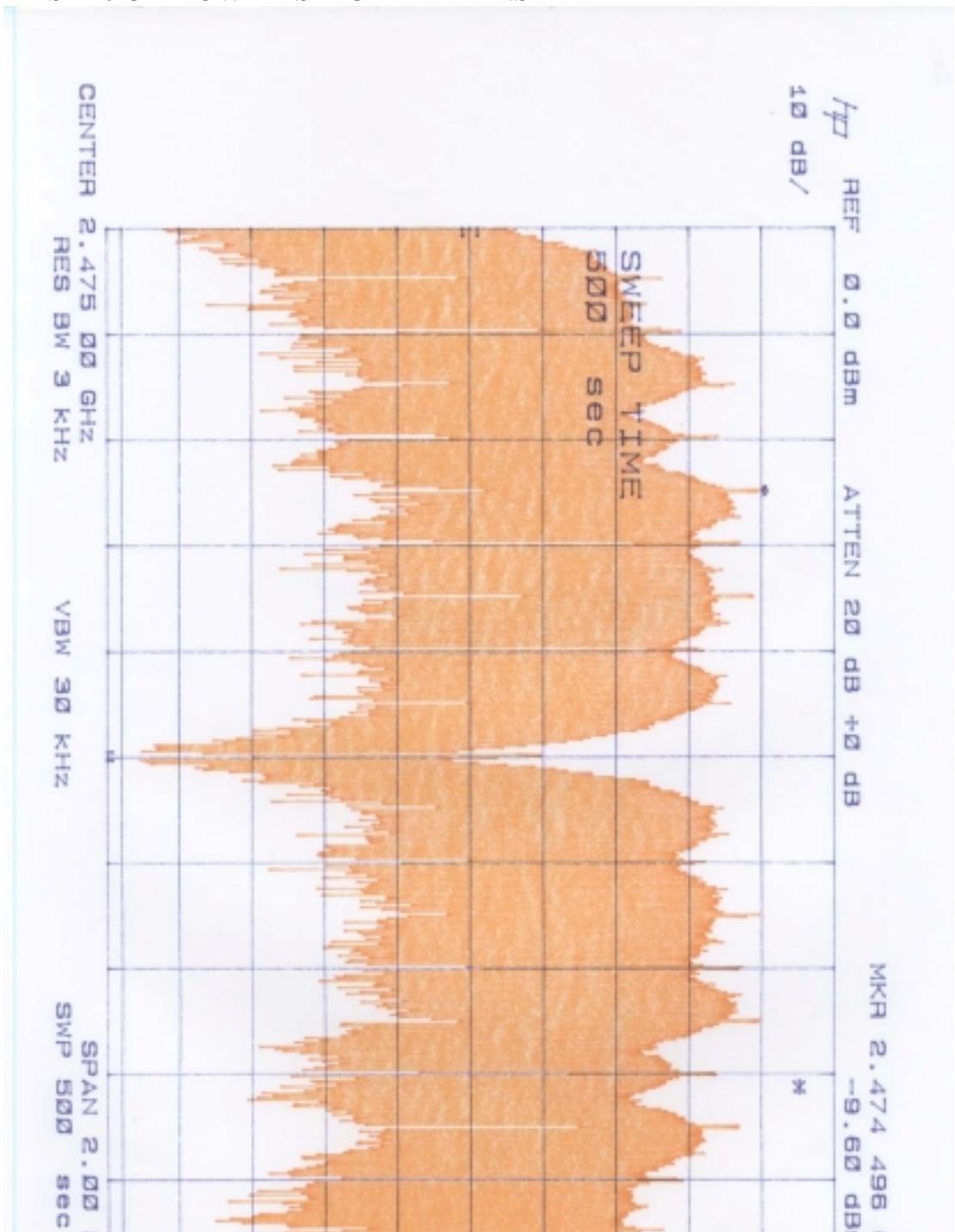
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BASE 40 CH POWER SPECTRAL DENSITY



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