

RETILF TESTING LABORATORIES

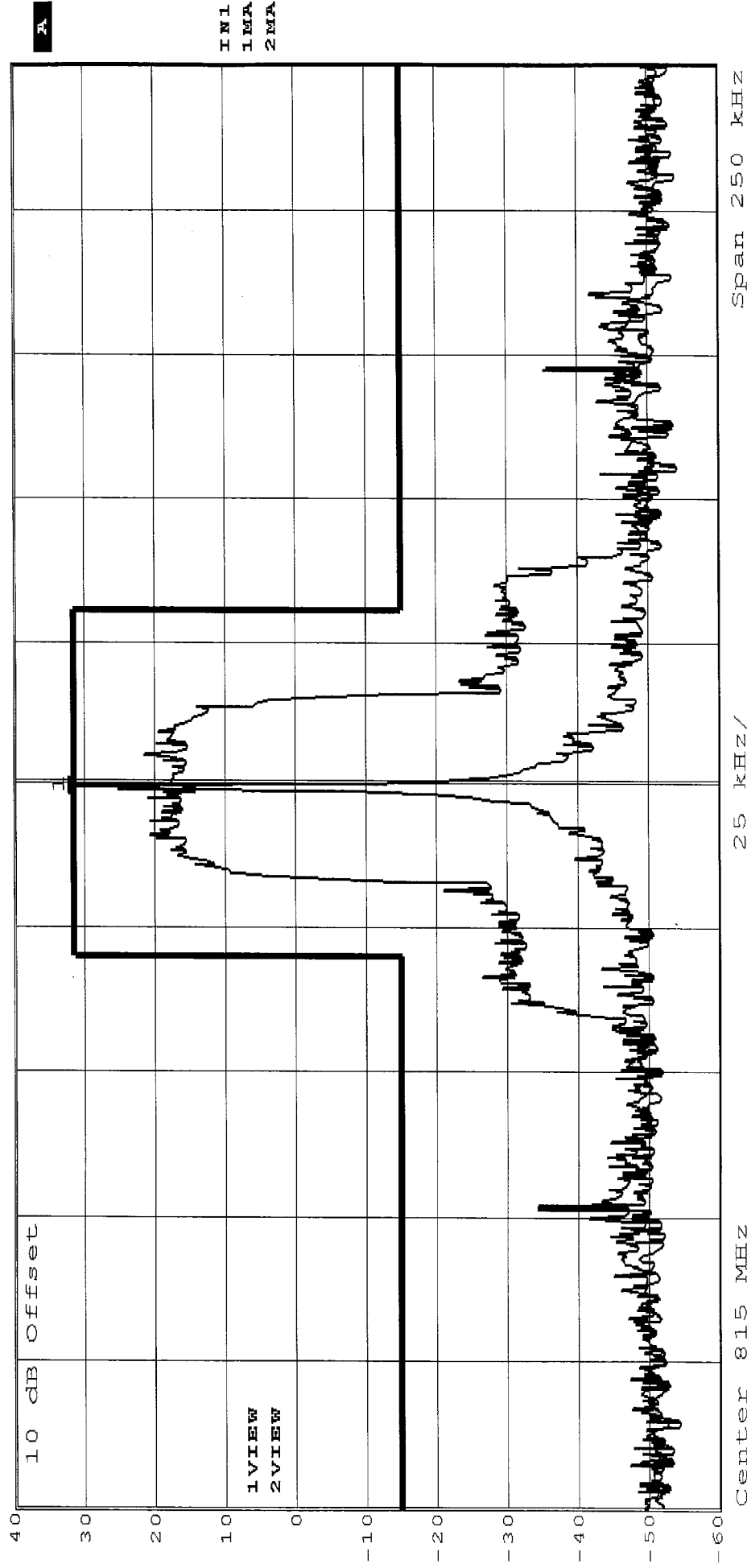
EMISSIONS DATA SHEET

Test Method:		Occupied Bandwidth	
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CS1610-S89	Serial No:	n/a
Test Specification:	FCC Part 2	Paragraph:	2.1049
Operating Mode:	Amplifying input signal		
Notes:	TDMA - Low Band - uplink - Output at 815 MHz		

Job No: R-4416N3
Technician: T. Firkowski
Date: 4/4/2005



Ref Lvl 40 dBm
Marker 1 [T1]
RBW 300 Hz
VBW 1 kHz
SWT 14 s
Unit dBm
60 dB



Date: 4.APR.2005 15:31:53

Data Sheet 1 of 8

R-4416N3

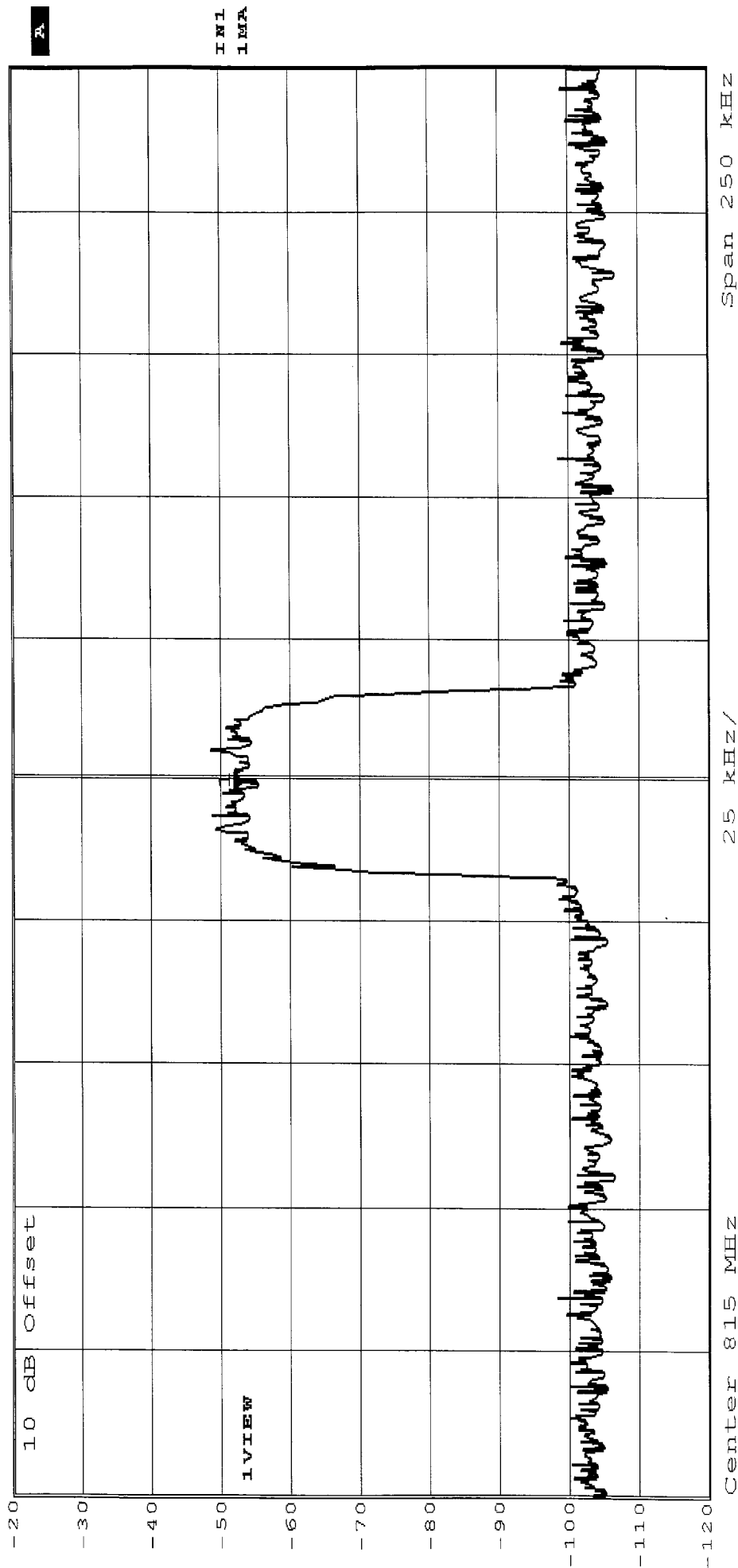
RETILF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:		Occupied Bandwidth	
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CS1610-S89	Serial No:	n/a
Test Specification:	FCC Part 2	Paragraph:	2.1049
Operating Mode:	Amplifying input signal		
Notes:	TDMA - Low Band - uplink - Input at 815 MHz		

Job No: R-4416N3
Technician: T. Firkowski
Date: 4/4/2005

Ref Lvl -20 dBm
Marker 1 [T1] -53.36 dBm
RBW 300 Hz
VBW 1 kHz
SWT 14 s
Unit dBm
RF Att 10 dB



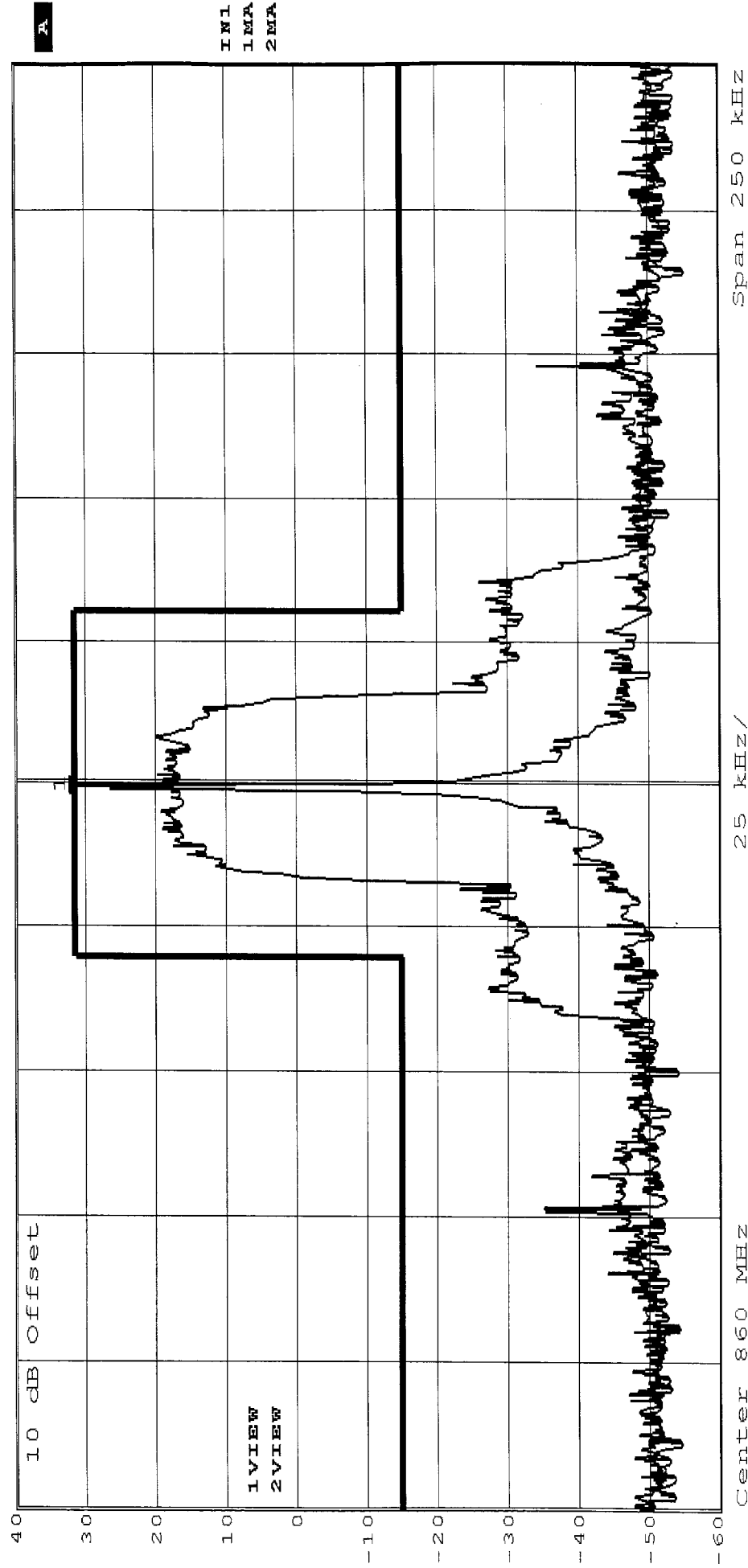
RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:		Occupied Bandwidth	
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CS1610-S89	Serial No:	n/a
Test Specification:	FCC Part 2	Paragraph:	2.1049
Operating Mode:	Amplifying input signal	Job No:	R-4416N3
Notes:	TDMA - Low Band - downlink - Output at 860 MHz	Technician:	T. Firkowski
		Date:	4/4/2005



Ref Lvl 40 dBm
 Marker 1 [T1]
 RBW 300 Hz
 VBW 1 kHz
 SWT 14 s
 RF Att 60 dB
 Unit dBm



Date: 4.APR.2005 15:27:15

Data Sheet 3 of 8

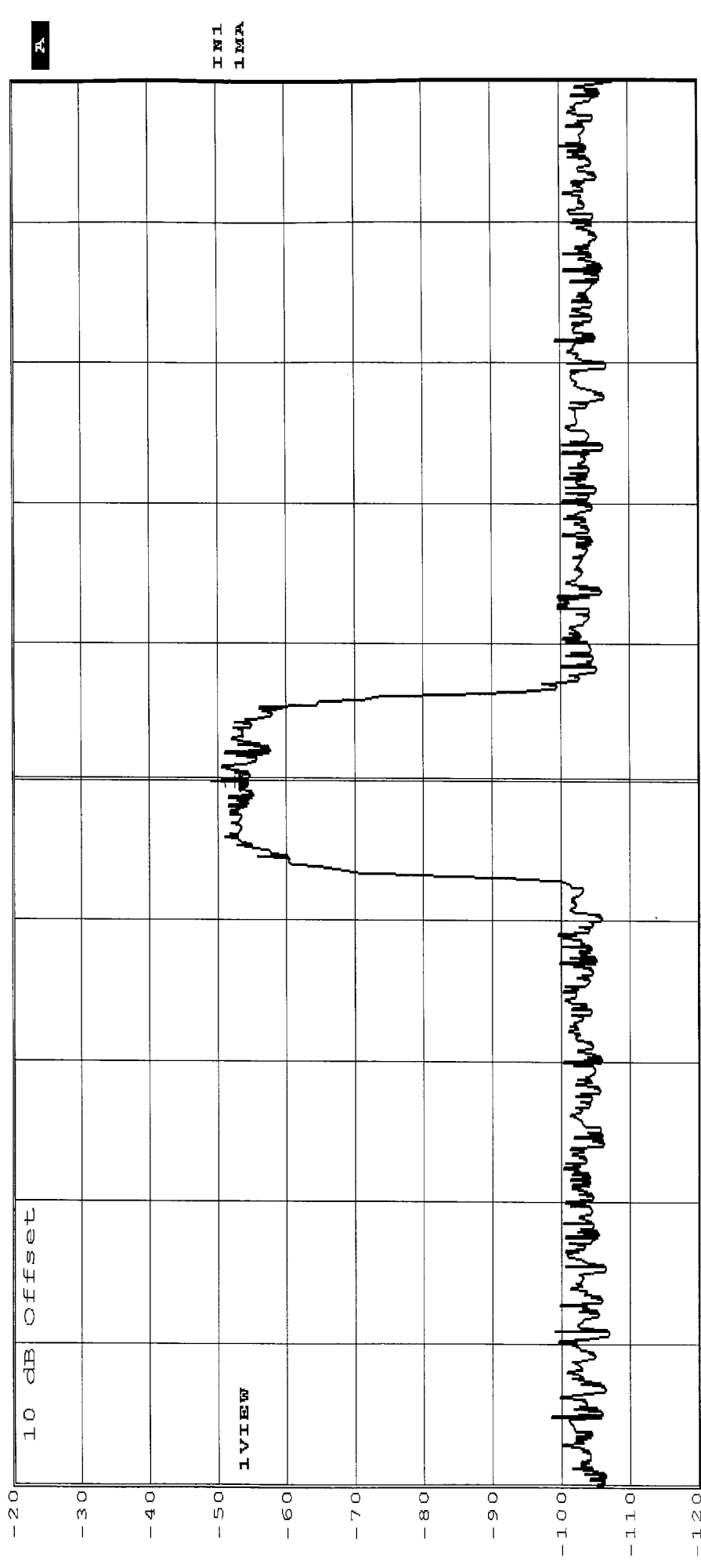
R-4416N3

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:		Occupied Bandwidth	
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CS1610-S89	Serial No:	n/a
Test Specification:	FCC Part 2	Paragraph:	2.1049
Operating Mode:	Amplifying input signal		
Notes:	TDMA - Low Band - downlink - Input at 860 MHz		

Ref Lvl -20 dBm
Marker 1 [T1] -54.57 dBm
RBW 300 Hz
VBW 1 kHz
SWT 14 s
Unit dBm
RF Att 10 dB



Center 860 MHz
 Span 250 kHz
 Date: 4.APR.2005 15:28:35

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:

Customer:

Model No:

Test Specification:

Operating Mode:

Notes:

Occupied Bandwidth

Cellular Specialties, Inc.

CS1610-S89

FCC Part 2

Amplifying input signal

TDMA - High Band - uplink - Output at 898.5 MHz

Test Sample:

Serial No:

Paragraph: 2.1049

Dual Band Bidirectional Amplifier

n/a

Job No:

Technician:

Date:

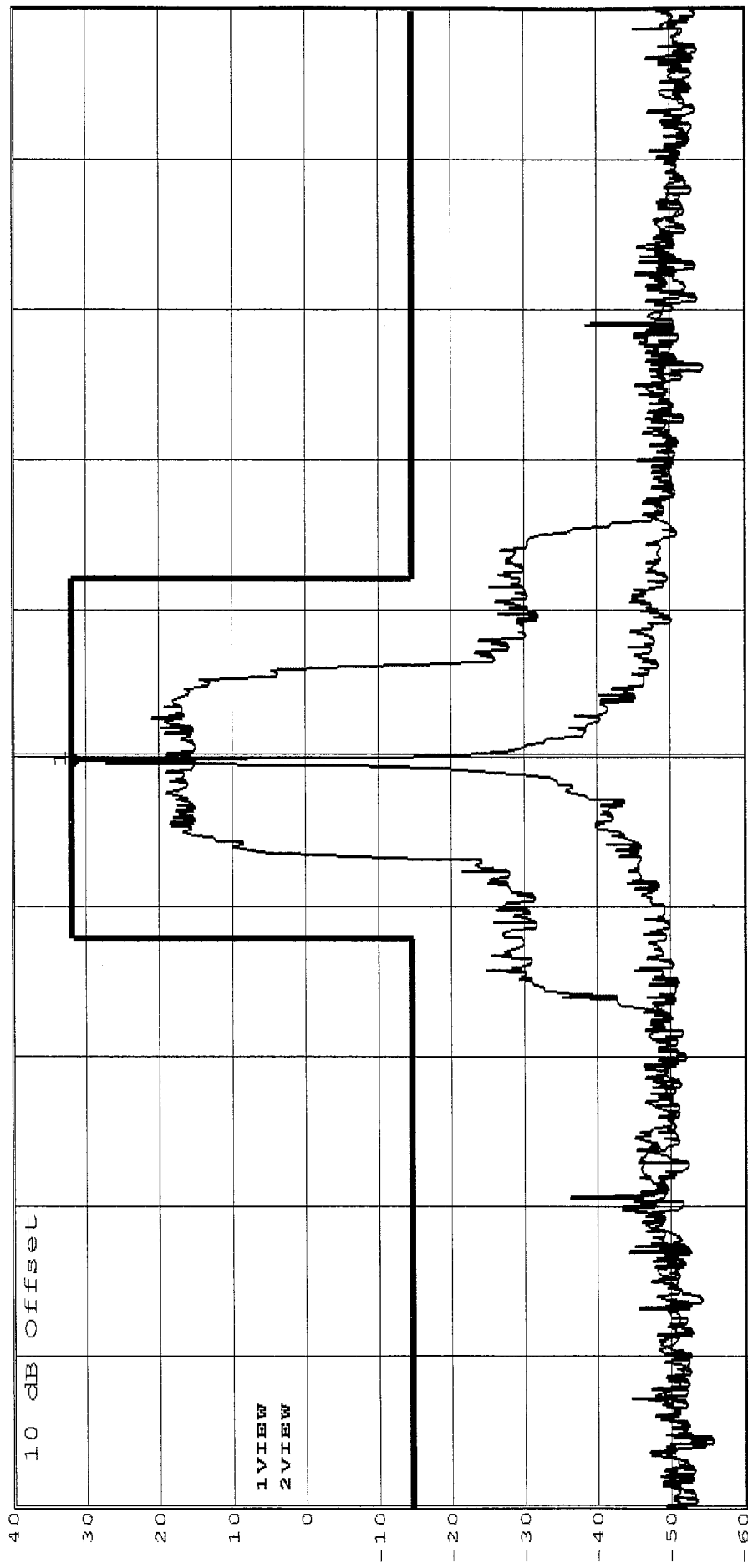
R-4416N3

T. Firkowski

4/4/2005



Ref Lvl 40 dBm
Marker 1 [T1]
RBW 300 Hz
VBW 1 kHz
SWT 14 s
RF Att 60 dB
Unit dBm



Center 898.5 MHz

25 kHz/

Span 250 kHz

Date: 4.APR.2005 15:36:52

Data Sheet 5 of 8

R-4416N3

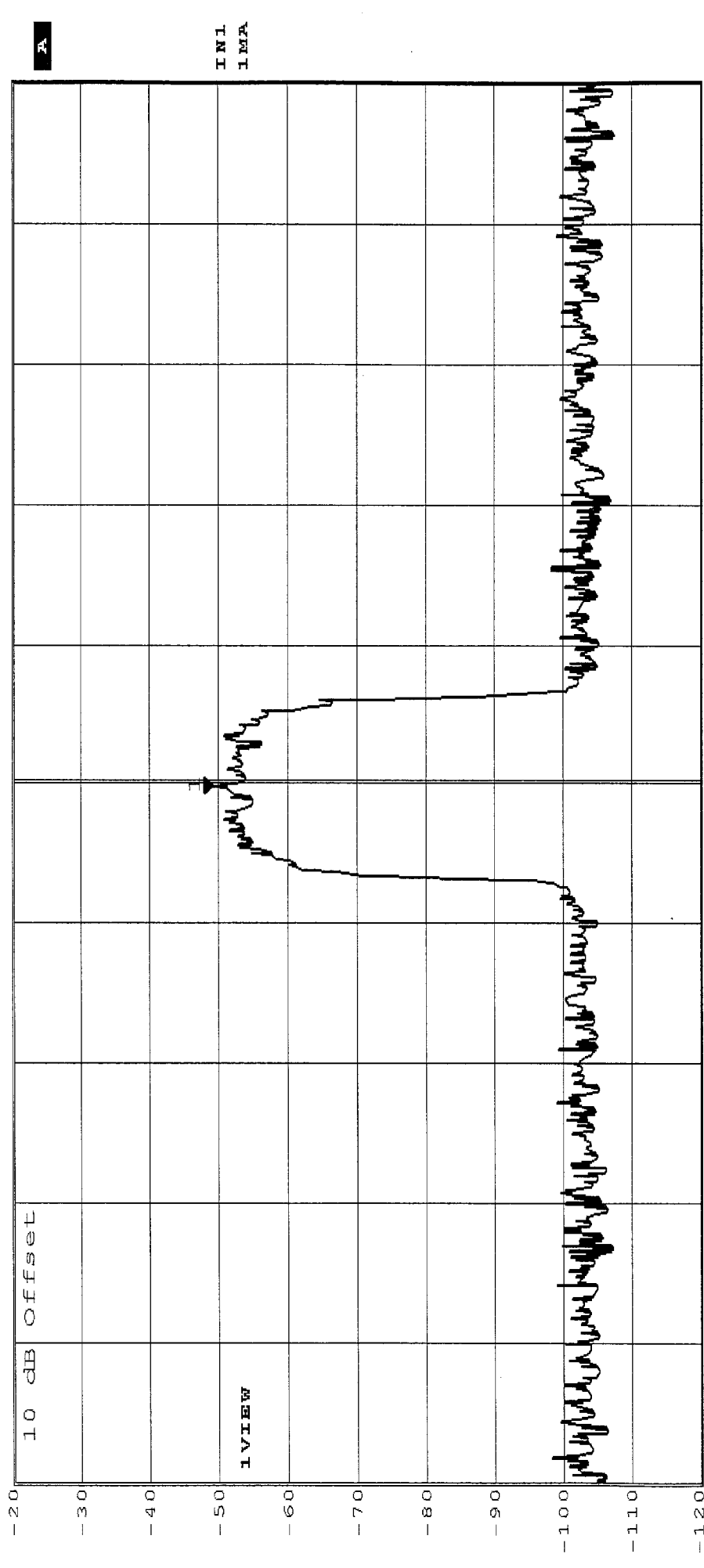
RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:		Occupied Bandwidth	
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CS1610-S89	Serial No:	n/a
Test Specification:	FCC Part 2	Paragraph:	2.1049
Operating Mode:	Amplifying input signal		
Notes:	TDMA - High Band - uplink - Input at 898.5 MHz		

Job No:	R-4416N3
Technician:	T. Firkowski
Date:	4/4/2005

Ref Lvl	-20 dBm	Marker 1 [T1]	-49.28 dBm	RBW	300 Hz	RF Att	10 dB
			898.49974950 MHz	VBW	1 kHz	Unit	dBm
				SWT	14 s		



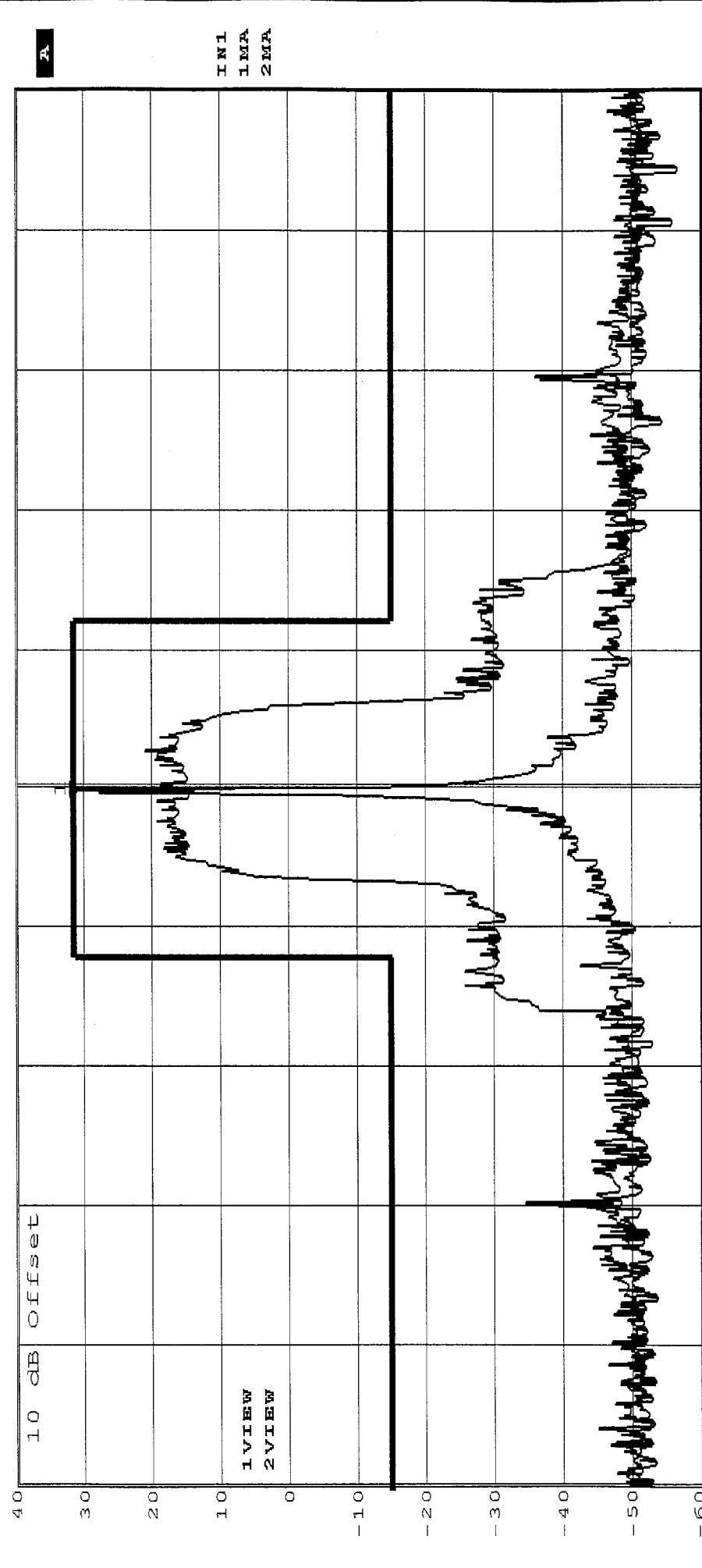
Center	898.5 MHz	Span	250 kHz
Date:	4.APR.2005	15:38:14	

RETILF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:		Occupied Bandwidth	
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CS1610-S89	Serial No:	n/a
Test Specification:	FCC Part 2	Paragraph:	2.1049
Operating Mode:	Amplifying input signal	Job No:	R-4416N3
Notes:	TDMA - High Band - downlink - Output at 937.5 MHz	Technician:	T. Firkowski
		Date:	4/4/2005

Ref Lvl 40 dBm
Marker 1 [T1] 30.56 dBm
RBW 300 Hz
VBW 1 kHz
SWT 1.4 s
RF Att 60 dB
Unit dBm



Center 937.5 MHz
 Span 250 kHz
 Date: 4.APR.2005 15:19:53

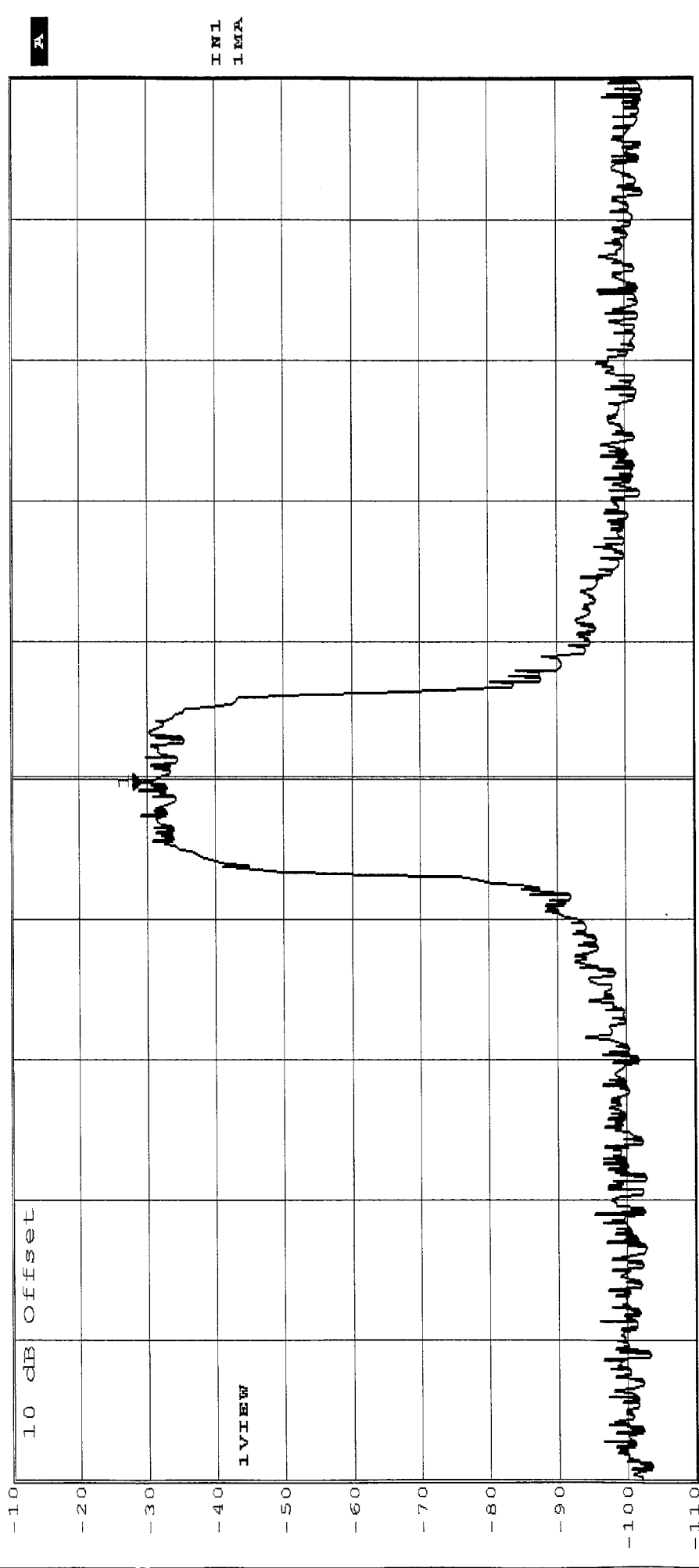
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EMISSIONS DATA SHEET

Test Method:		Occupied Bandwidth	
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CS1610-S89	Serial No:	n/a
Test Specification:	FCC Part 2	Paragraph:	2.1049
Operating Mode:	Amplifying input signal		
Notes:	TDMA - High Band - downlink - Input at 937.5 MHz		

Job No: R-4416N3
 Technician: T. Firkowski
 Date: 4/4/2005

Ref Lvl -10 dBm
 Marker 1 [T1] 937.49974950 MHz -29.46 dBm
 RBW 300 Hz
 VBW 1 kHz
 SWT 14 s
 RF Att 10 dB
 Unit dBm



Center 937.5 MHz
 Span 250 kHz
 Date: 4.APR.2005 15:21:36