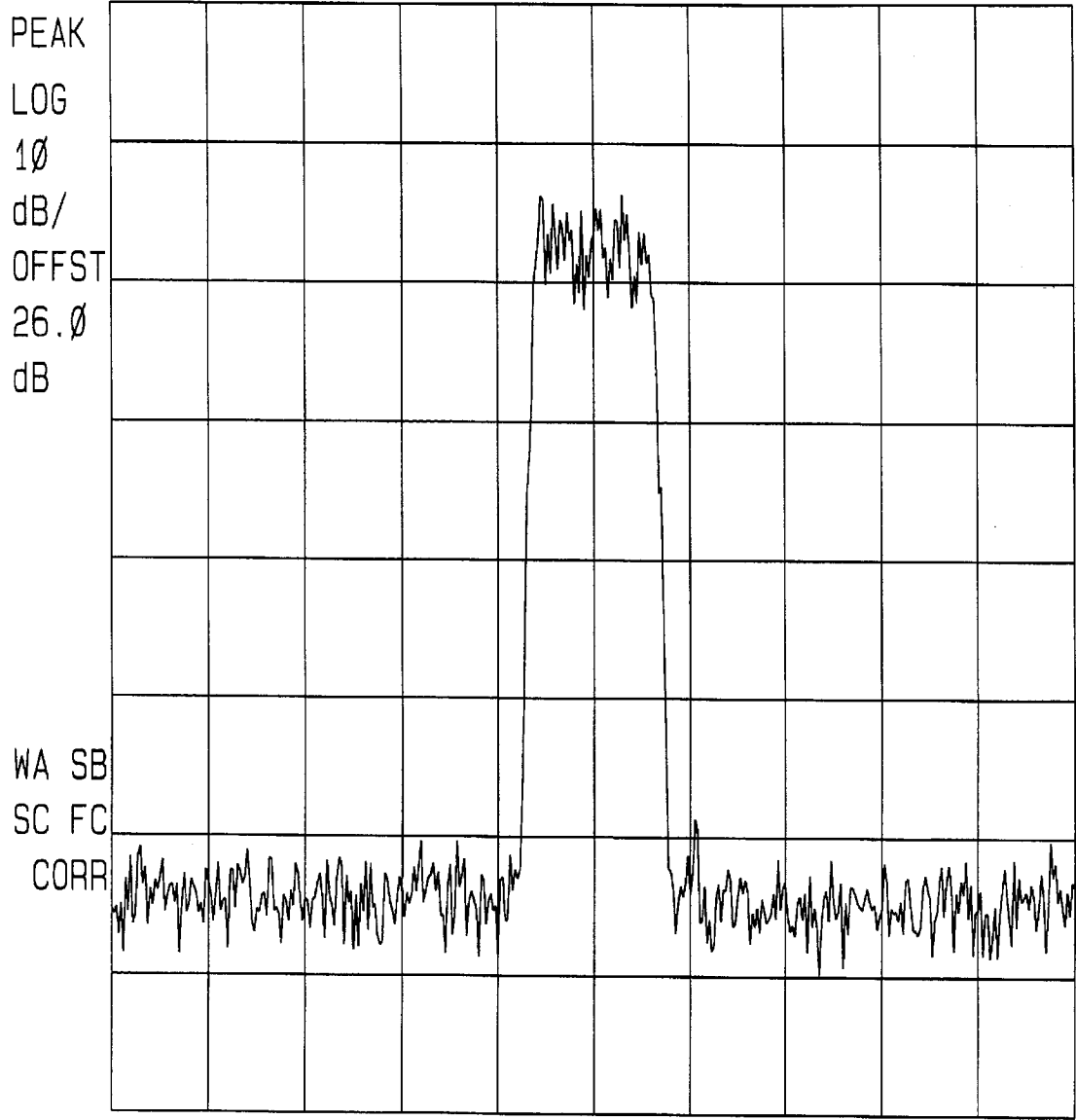


16:14:09 DEC 13, 2002

REF -9.0 dBm #AT 0 dB



CENTER 1.88000 GHz  
#RES BW 30 kHz

SPAN 10.00 MHz  
SWP 33.3 msec

VBW 100 kHz

Customer: Cellular Specialties, Inc.  
 Test Sample: Bidirectional Amplifier  
 Model No: 610 PCS  
 Test Method: Occupied Bandwidth, FCC Part 2, para 2.1049  
 Notes: Uplink Frequency 1880 MHz  
 Modulation: CDMA input

Date: 12/13/02 Tech: T. Firkowski Sheet 1 of 12

**Retlif Testing Laboratories**

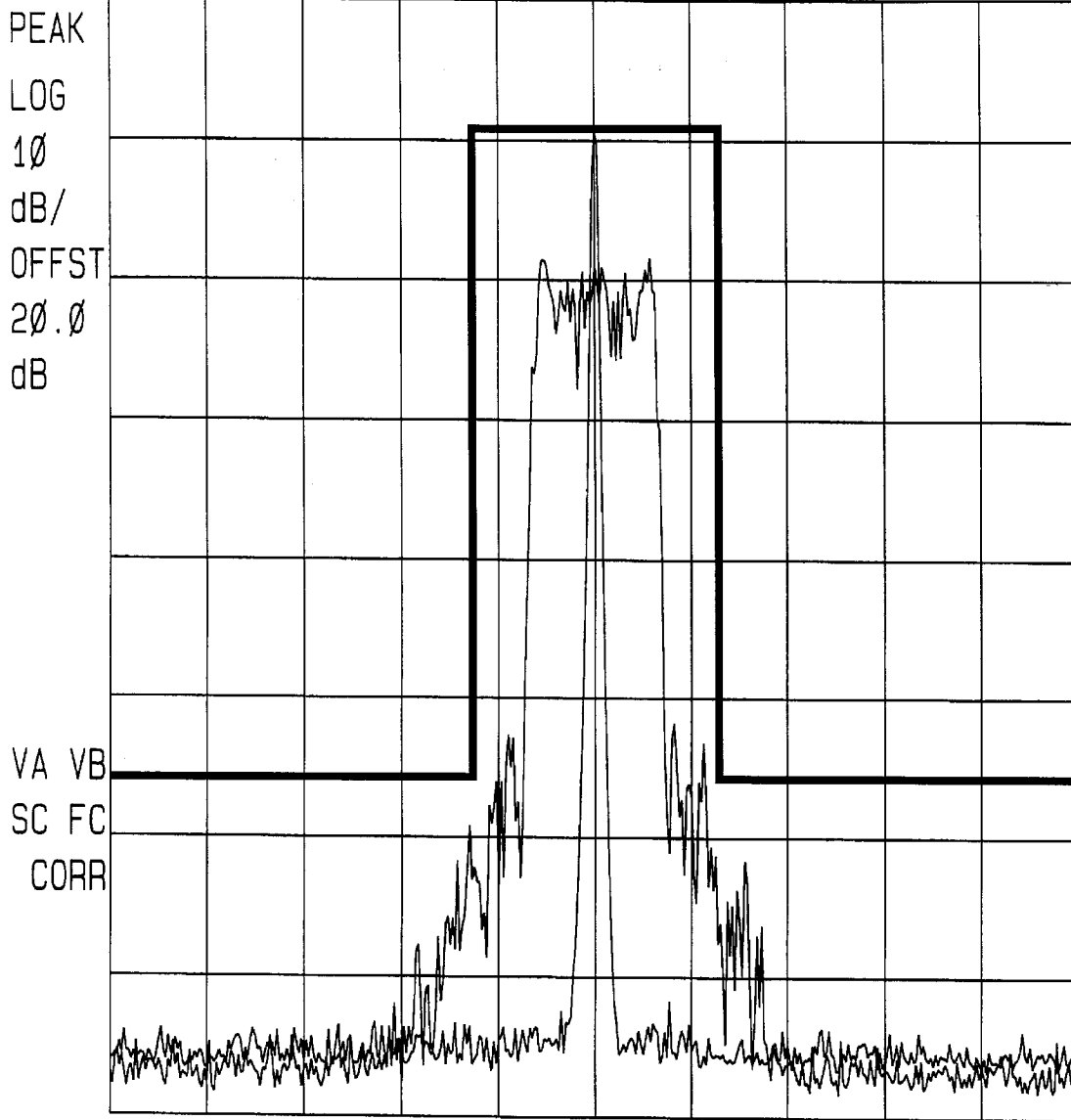
Report No R-4023N

16: 11: 46 DEC 13, 2002

hp

REF 35.0 dBm

AT 30 dB



CENTER 1.88000 GHz

SPAN 10.00 MHz

#RES BW 30 kHz

VBW 100 kHz

SWP 33.3 msec

Customer: Cellular Specialties, Inc.  
 Test Sample: Bidirectional Amplifier  
 Model No: 610 PCS  
 Test Method: Occupied Bandwidth, FCC Part 2, para 2.1049  
 Notes: Uplink Frequency 1880 MHz  
 Modulation: CDMA output

Date: 12/13/02 Tech: T. Firkowski Sheet 2 of 12



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Report No R-4023N

17:24:33 DEC 13, 2002

hp

REF -9.0 dBm

#AT 0 dB

PEAK

LOG

10

dB/

OFFST

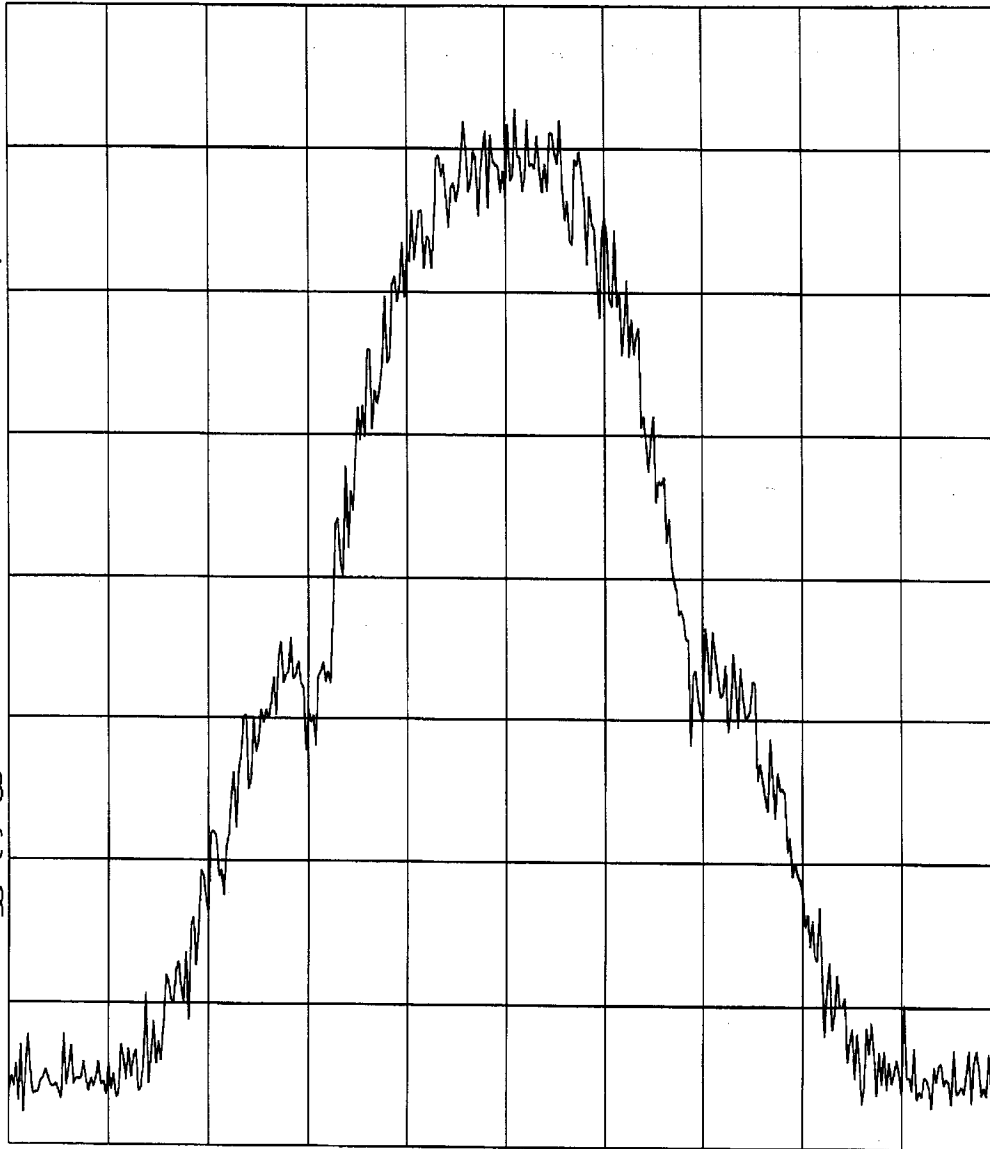
26.0

dB

WA SB

SC FC

CORR



CENTER 1.880000 GHz

SPAN 1.000 MHz

#RES BW 3.0 kHz

VBW 10 kHz

SWP 333 msec

Customer:

Cellular Specialties, Inc.

Test Sample:

Bidirectional Amplifier

Model No:

610 PCS

Test Method:

Occupied Bandwidth, FCC Part 2, para 2.1049

Notes:

Uplink Frequency 1880 MHz

Modulation: GSM input

Date: 12/13/02

Tech: T. Firkowski

Sheet 3 of 12

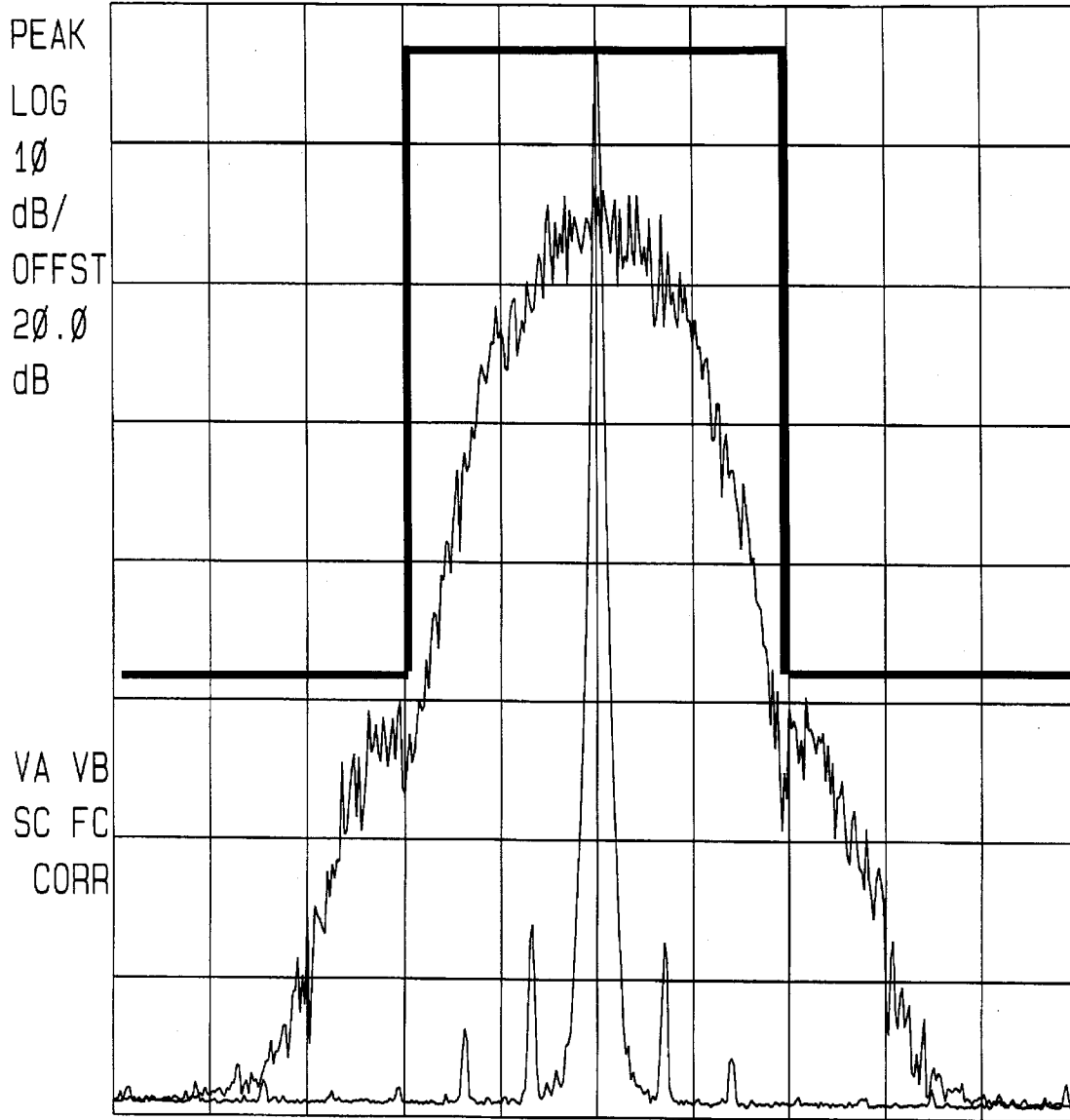


Retlif Testing Laboratories

Report No R-4023N

17:23:24 DEC 13, 2002  
HP

REF 35.0 dBm AT 30 dB



CENTER 1.880000 GHz

SPAN 1.000 MHz

#RES BW 3.0 KHz

VBW 10 KHz

SWP 333 msec

Customer:	Cellular Specialties, Inc.
Test Sample:	Bidirectional Amplifier
Model No:	610 PCS
Test Method:	Occupied Bandwidth, FCC Part 2, para 2.1049
Notes:	Uplink Frequency 1880 MHz Modulation: GSM output
Date:	12/13/02
Tech:	T. Firkowski
Sheet	4 of 12

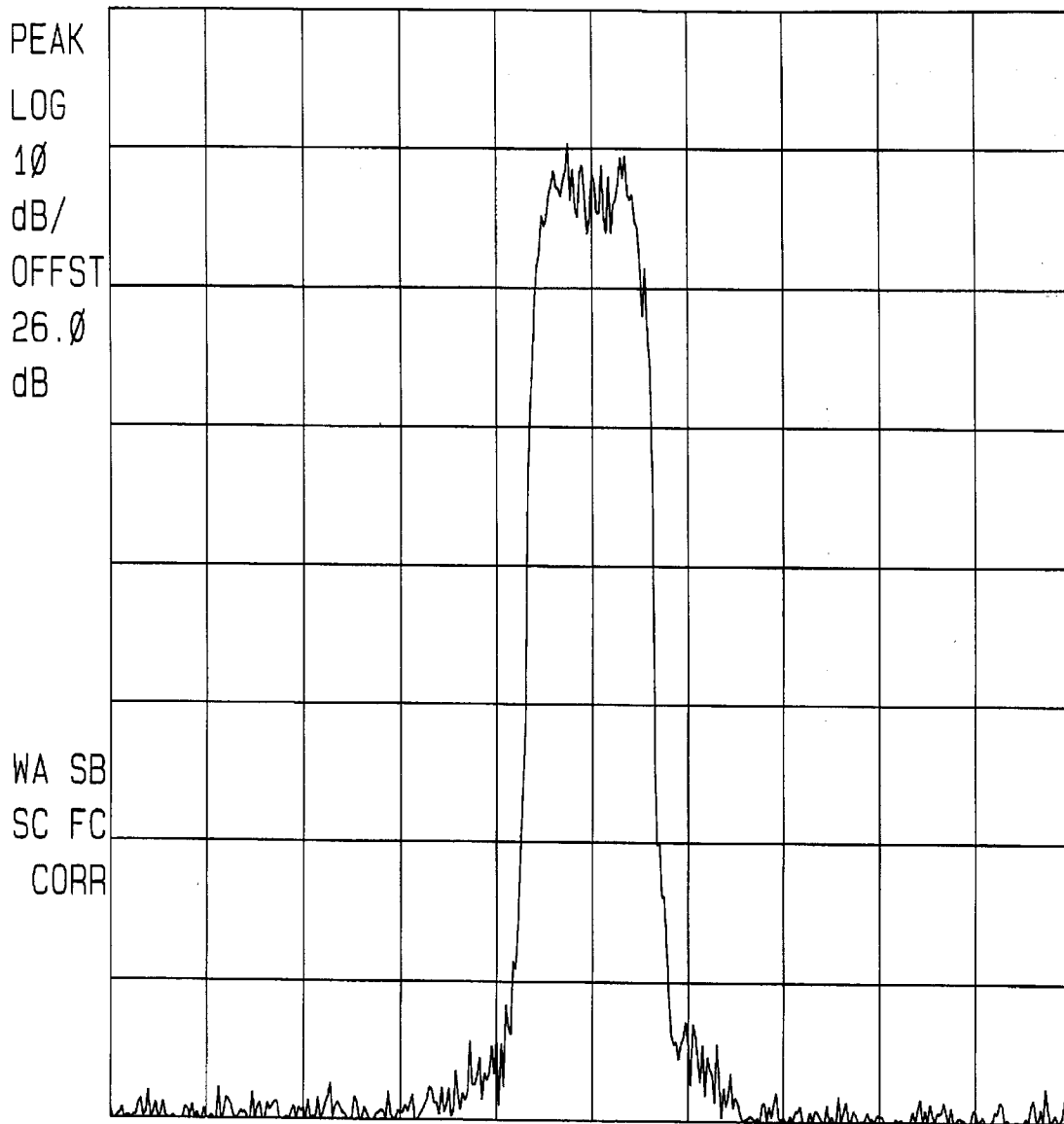


Retlif Testing Laboratories

Report No R-4023N

16:51:59 DEC 13, 2002  
HP

REF -9.0 dBm #AT 0 dB



CENTER 1.8800000 GHz

SPAN 250.0 kHz

#RES BW 300 Hz

VBW 1 kHz

SWP 8.33 sec

Customer: Cellular Specialties, Inc.  
Test Sample: Bidirectional Amplifier  
Model No: 610 PCS  
Test Method: Occupied Bandwidth, FCC Part 2, para 2.1049  
Notes: Uplink Frequency 1880 MHz  
Modulation: TDMA input

Date: 12/13/02

Tech: T. Firkowski

Sheet 6 of 12



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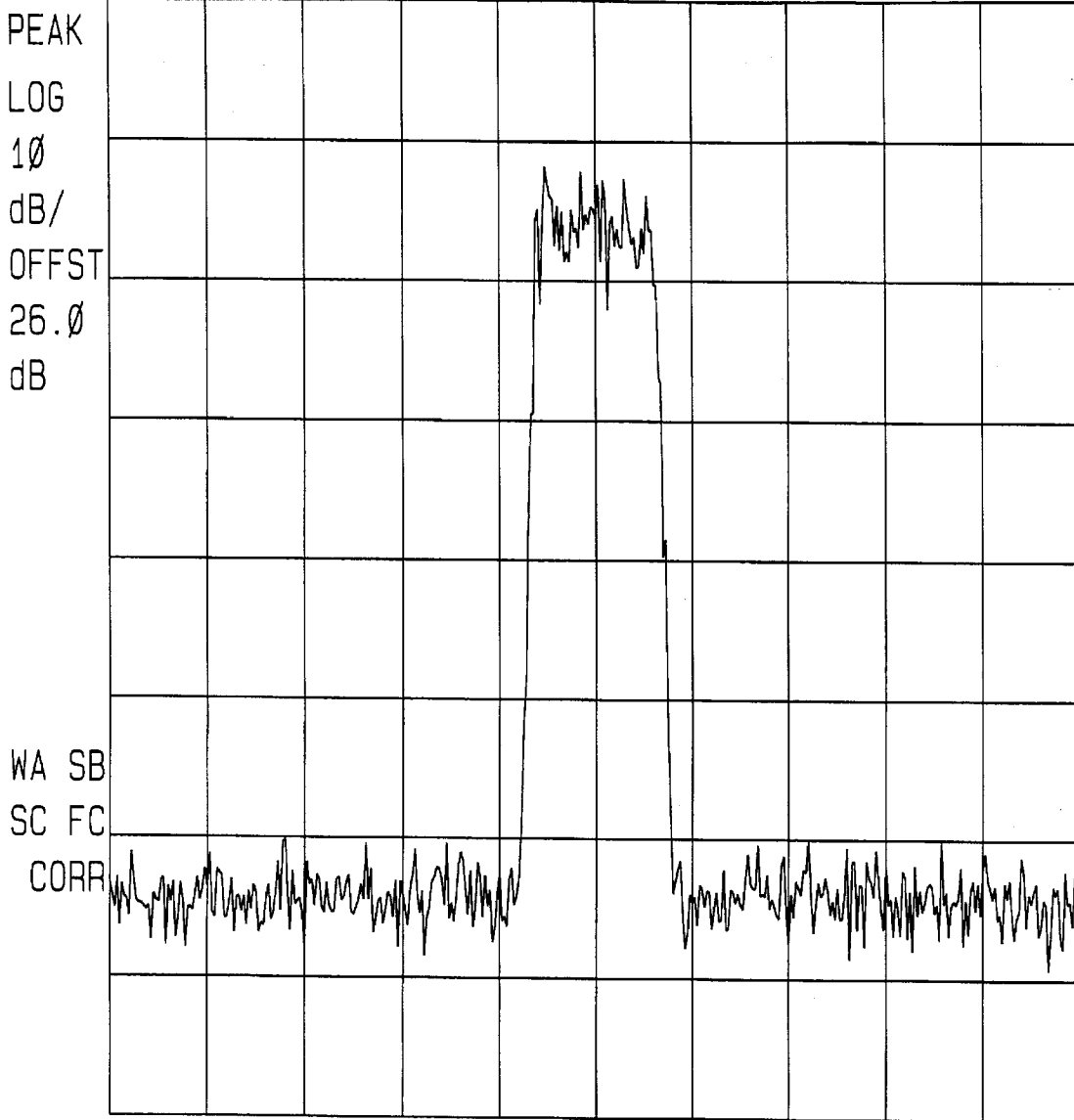
Report No R-4023N



17:16:52 DEC 13, 2002

HP

REF -9.0 dBm #AT 0 dB



CENTER 1.96000 GHz

SPAN 10.00 MHz

#RES BW 30 kHz

VBW 100 kHz

SWP 33.3 msec

Customer: Cellular Specialties, Inc.  
 Test Sample: Bidirectional Amplifier  
 Model No: 610 PCS  
 Test Method: Occupied Bandwidth, FCC Part 2, para 2.1049  
 Notes: Downlink Frequency 1960 MHz  
 Modulation: CDMA input

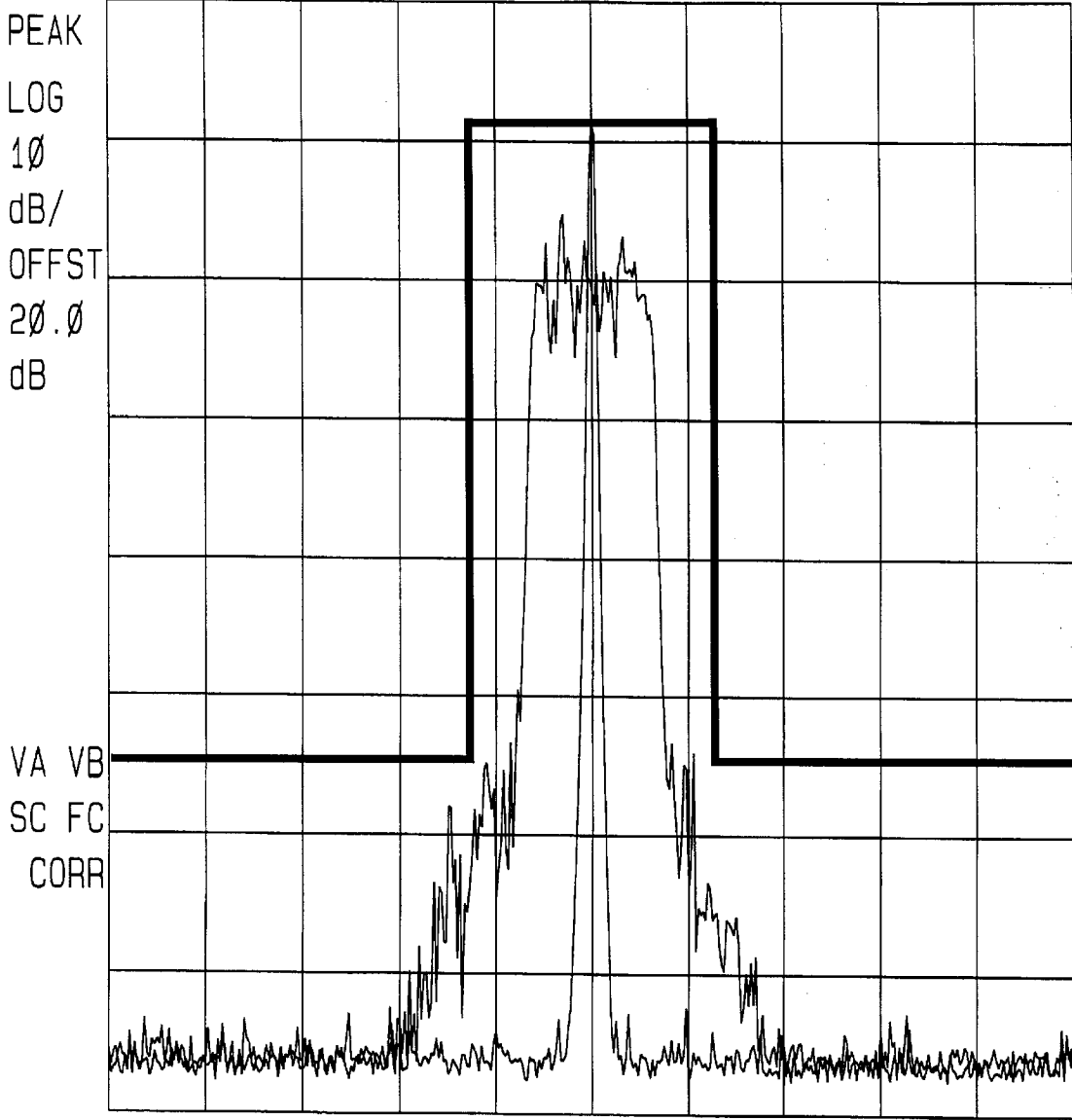
Date: 12/13/02 Tech: T. Firkowski Sheet 7 of 12

**Retlif Testing Laboratories**

Report No R-4023N

17:15:42 DEC 13, 2002

REF 35.0 dBm AT 30 dB



CENTER 1.96000 GHz  
#RES BW 30 kHz

SPAN 10.00 MHz  
SWP 33.3 msec

VBW 100 kHz

Customer:	Cellular Specialties, Inc.
Test Sample:	Bidirectional Amplifier
Model No:	610 PCS
Test Method:	Occupied Bandwidth, FCC Part 2, para 2.1049
Notes:	Downlink Frequency 1960 MHz Modulation: CDMA output
Date:	12/13/02
Tech:	T. Firkowski
Sheet:	8 of 12



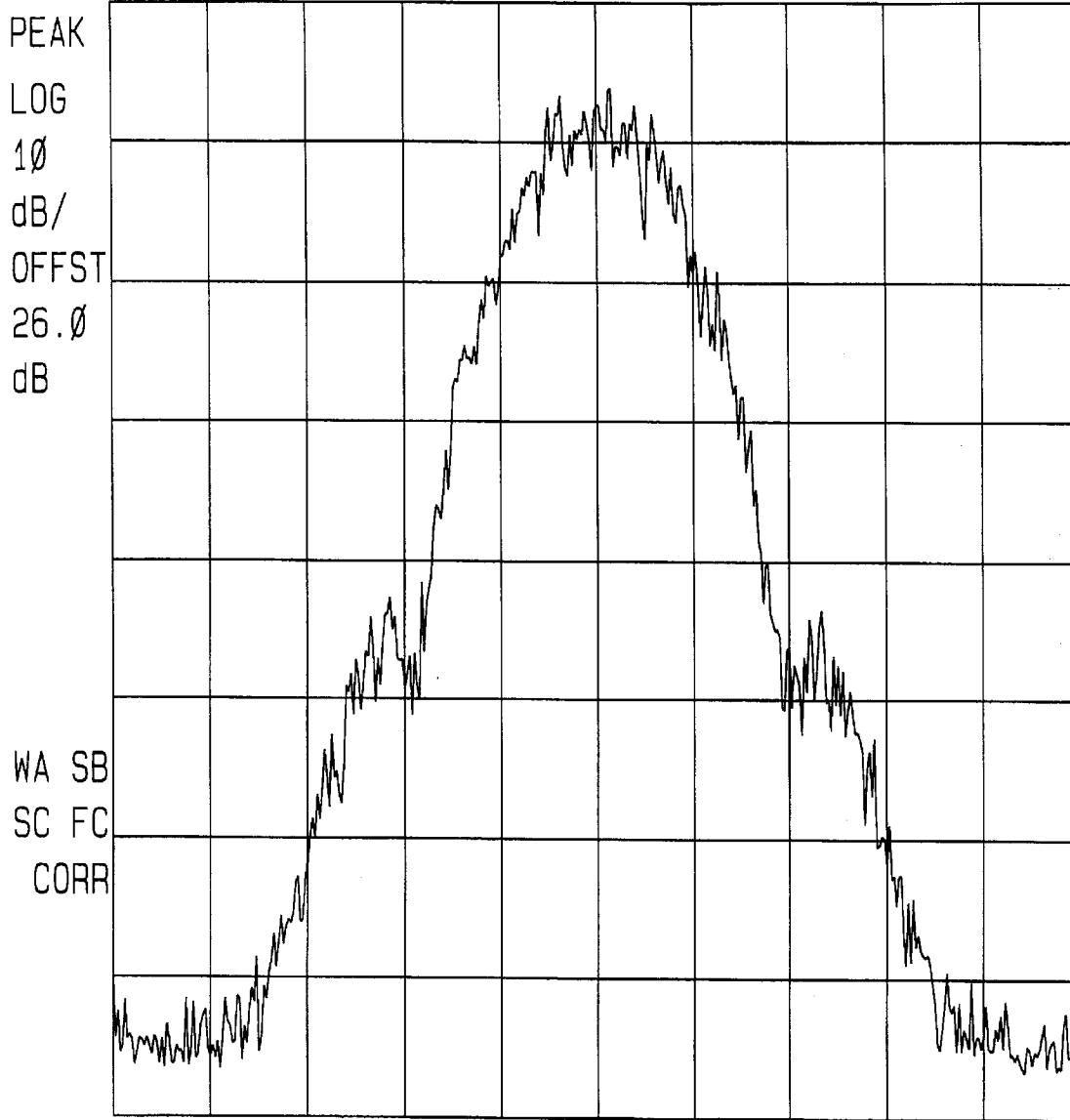
Retlif Testing Laboratories

Report No R-4023N



17:21:20 DEC 13, 2002  
hp

REF -9.0 dBm #AT 0 dB



CENTER 1.960000 GHz  
#RES BW 3.0 kHz

VBW 10 kHz

SPAN 1.000 MHz  
SWP 333 msec

Customer:	Cellular Specialties, Inc.
Test Sample:	Bidirectional Amplifier
Model No:	610 PCS
Test Method:	Occupied Bandwidth, FCC Part 2, para 2.1049
Notes:	Downlink Frequency 1960 MHz Modulation: GSM input
Date:	12/13/02
Tech:	T. Firkowski
Sheet	9 of 12

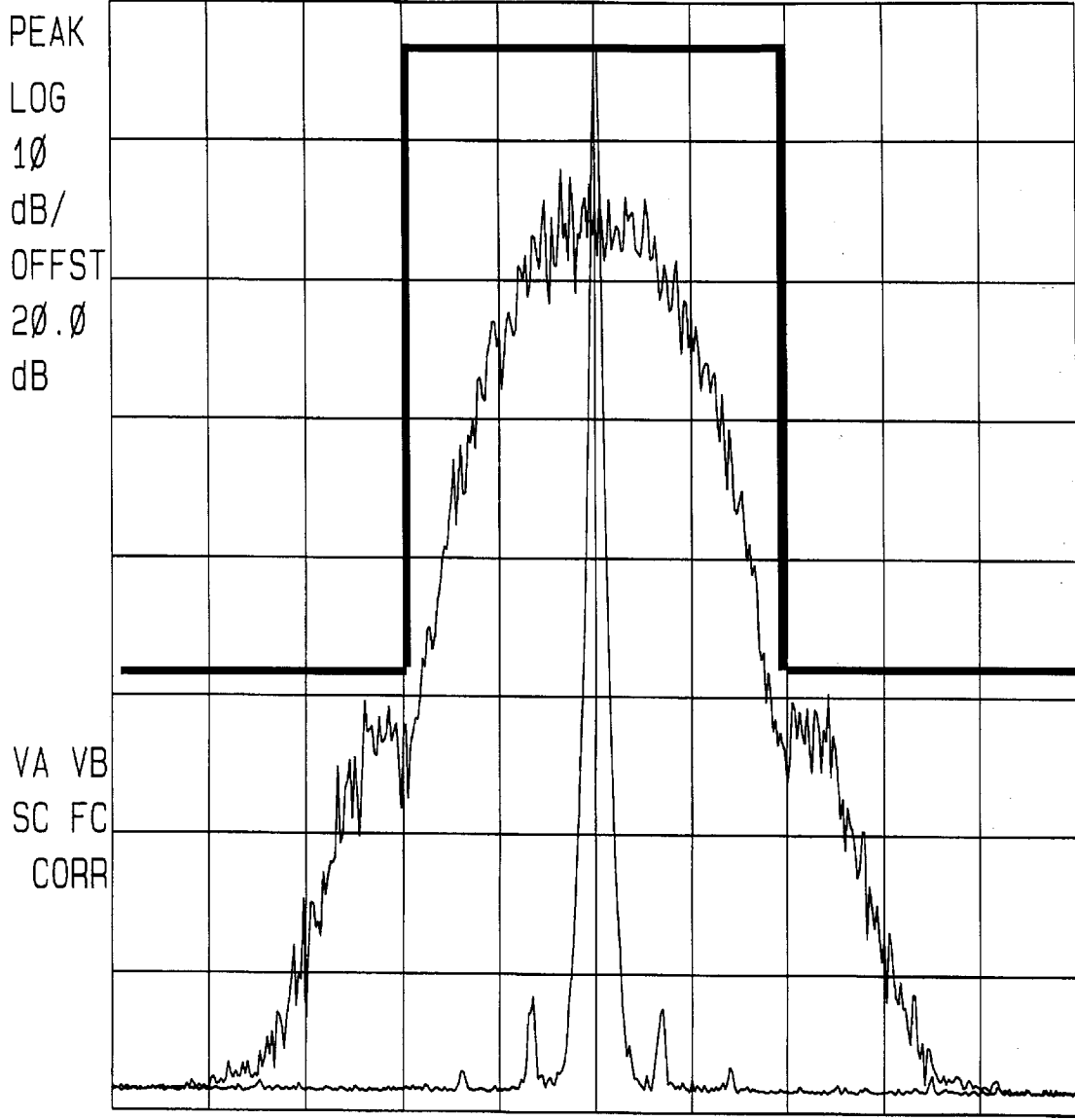


Retlif Testing Laboratories

Report No R-4023N

17:20:30 DEC 13, 2002

REF 35.0 dBm AT 30 dB



CENTER 1.960000 GHz  
#RES BW 3.0 kHz

SPAN 1.000 MHz  
VBW 10 kHz  
SWP 333 msec

Customer:	Cellular Specialties, Inc.
Test Sample:	Bidirectional Amplifier
Model No:	610 PCS
Test Method:	Occupied Bandwidth, FCC Part 2, para 2.1049
Notes:	Downlink Frequency 1960 MHz Modulation: GSM output
Date:	12/13/02
Tech:	T. Firkowski
Sheet	10 of 12

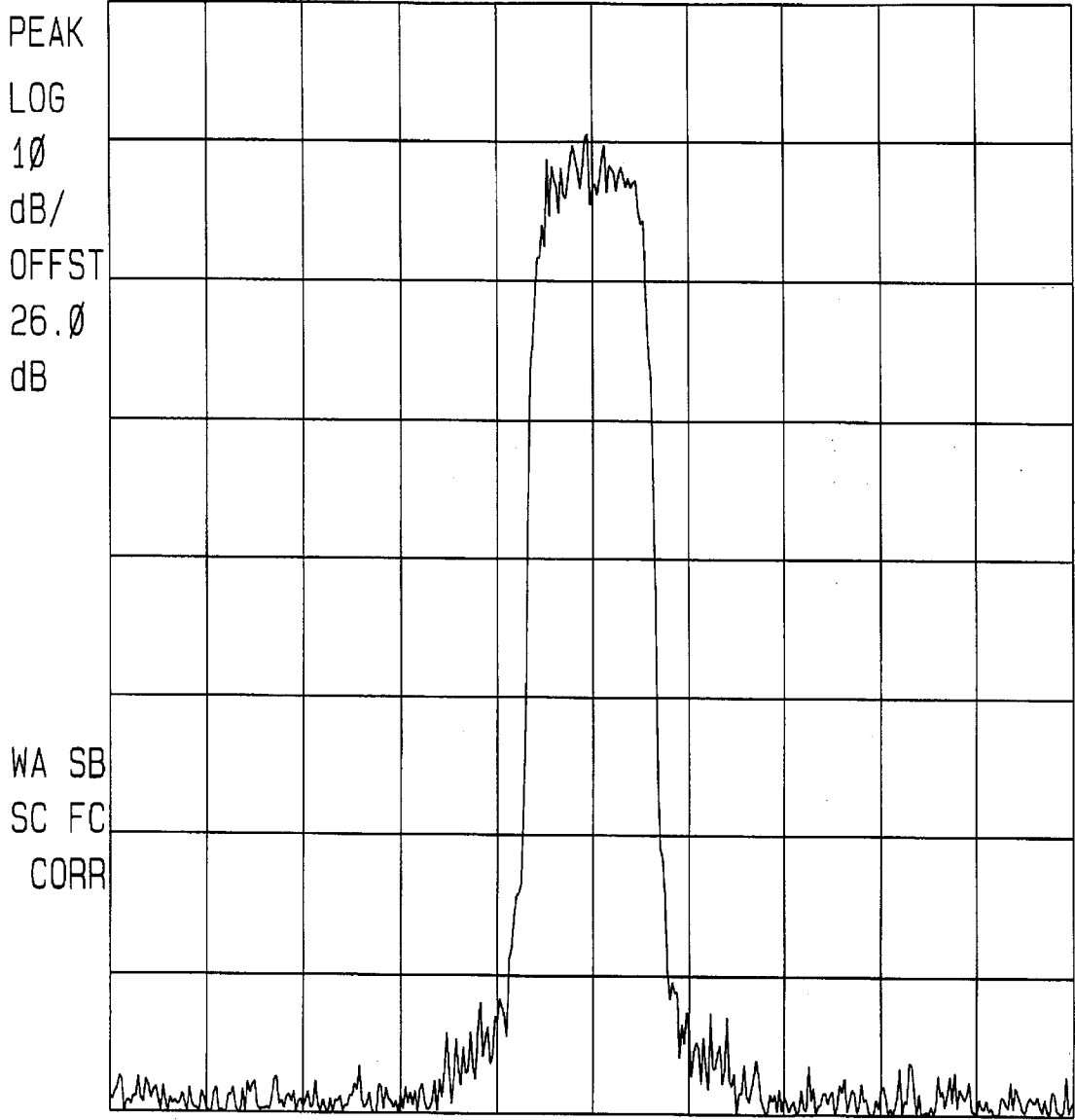


**Retlif Testing Laboratories**

Report No R-4023N

16:56:10 DEC 13, 2002

REF -9.0 dBm #AT 0 dB



CENTER 1.9600000 GHz

SPAN 250.0 kHz

#RES BW 300 Hz

VBW 1 kHz

SWP 8.33 sec

Customer:	Cellular Specialties, Inc.
Test Sample:	Bidirectional Amplifier
Model No:	610 PCS
Test Method:	Occupied Bandwidth, FCC Part 2, para 2.1049
Notes:	Downlink Frequency 1960 MHz Modulation: TDMA input
Date:	12/13/02
Tech:	T. Firkowski
Sheet	11 of 12

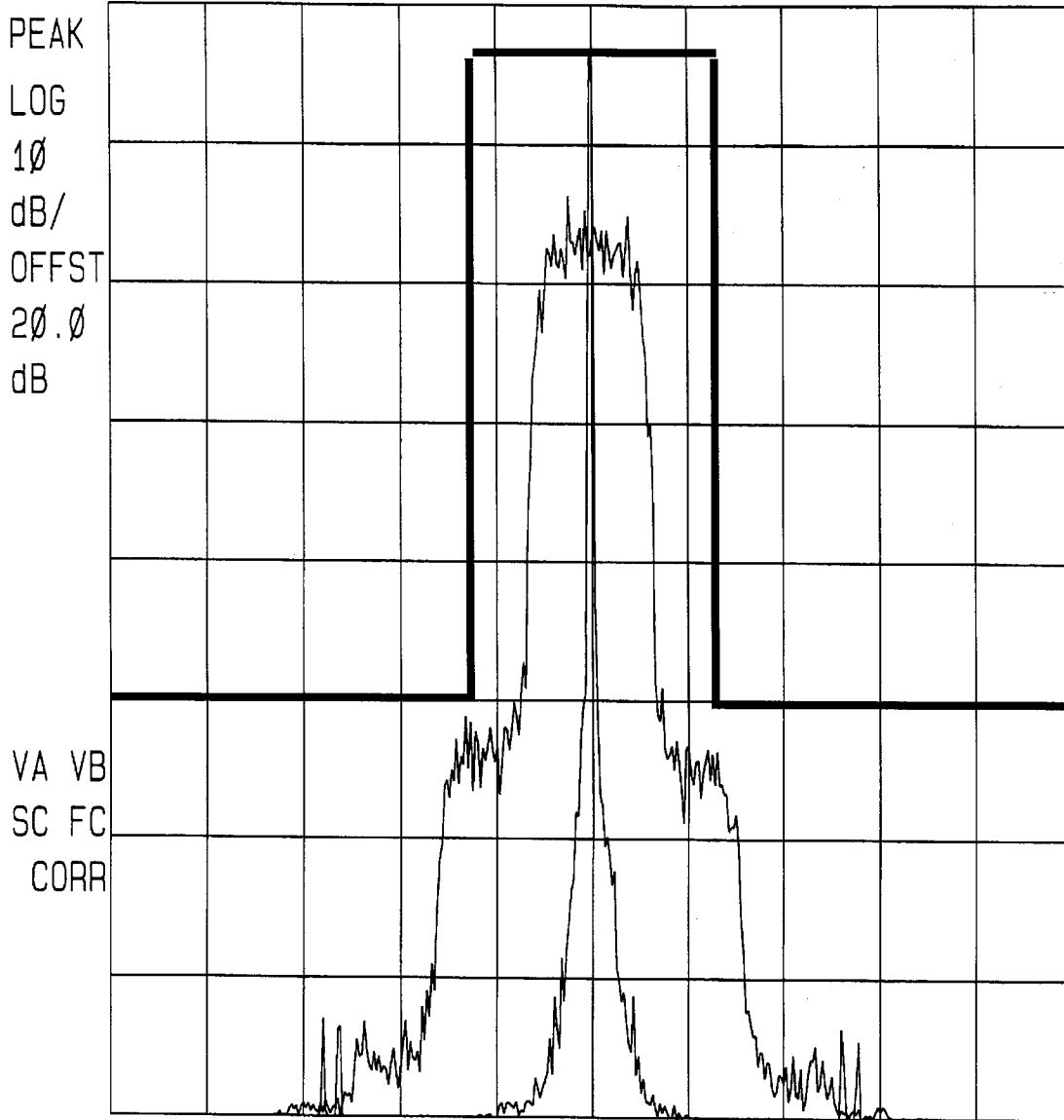


**Retlif Testing Laboratories**

Report No R-4023N

16:54:35 DEC 13, 2002  
hp

REF 35.0 dBm AT 30 dB



CENTER 1.9600000 GHz

SPAN 250.0 kHz

#RES BW 300 Hz

VBW 1 kHz

SWP 8.33 sec

Customer: Cellular Specialties, Inc.  
Test Sample: Bidirectional Amplifier  
Model No: 610 PCS  
Test Method: Occupied Bandwidth, FCC Part 2, para 2.1049  
Notes: Downlink Frequency 1960 MHz  
Modulation: TDMA output  
Date: 12/13/02 Tech: T. Firkowski Sheet 12 of 12



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Report No R-4023N