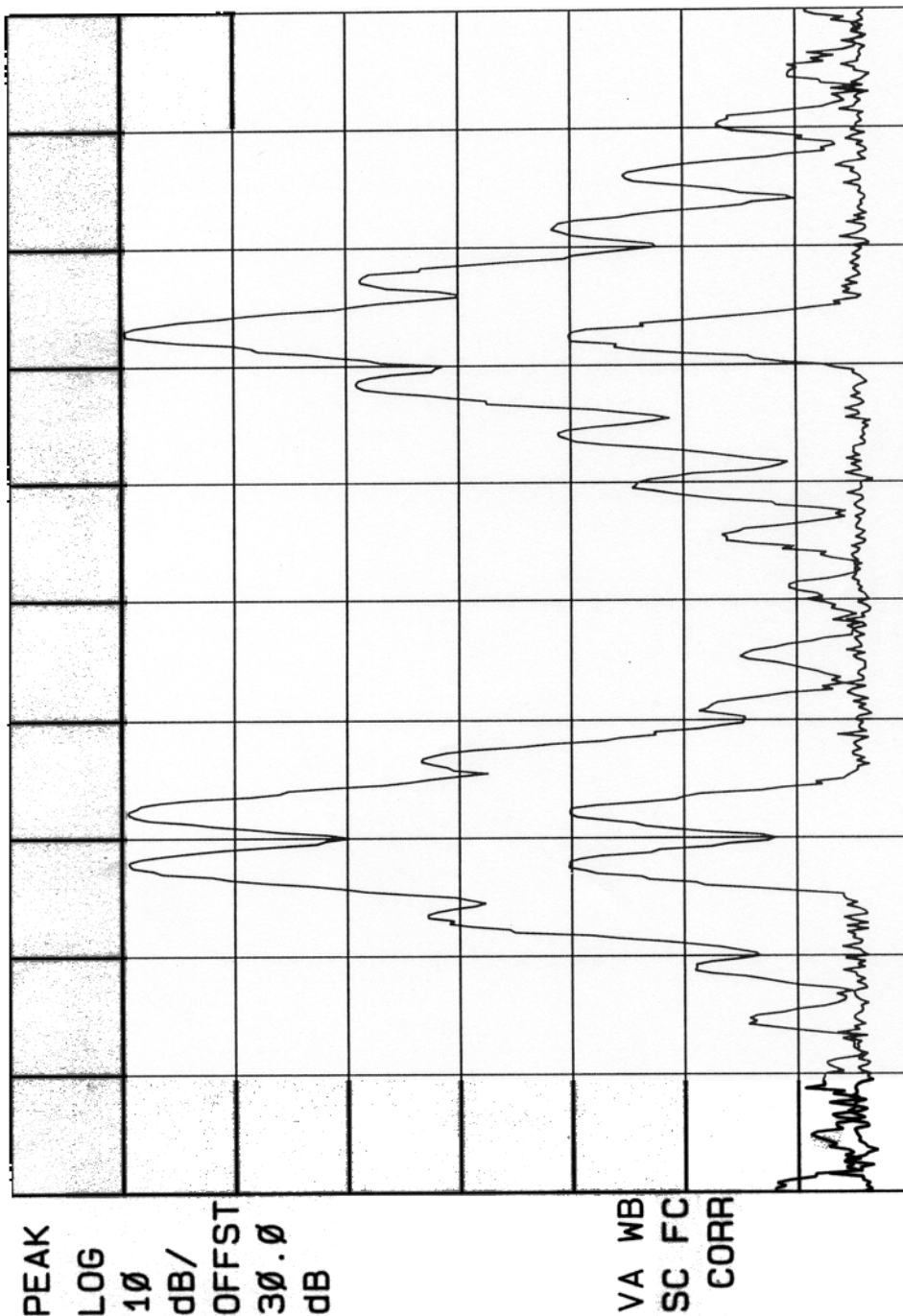


RETLIF TESTING LABORATORIES

Test Method	Intermodulation Characteristics		
Customer	Cellular Specialties	Job No.	R-3483N
Test Sample	Mini Bidirectional Amplifier		
Model No.	110	Serial No.	n/a
Test Specification	FCC Certification		Paragraph
Operating Mode	Amplifying cellular telephone signals		
Technician	T. Cricco	Date	8/19/99
Notes	Uplink		

Sheet 1 of 4

15:55:09 AUG 19, 1999
 R-3483N CELLULAR-INTERMODULATION-UPLINK
 REF 30.0 dBm AT 10 dB



CENTER 813.50 MHz
 #RES BW 300 kHz
 SPAN 25.00 MHz
 SWP 20.0 msec
 #VBW 100 kHz

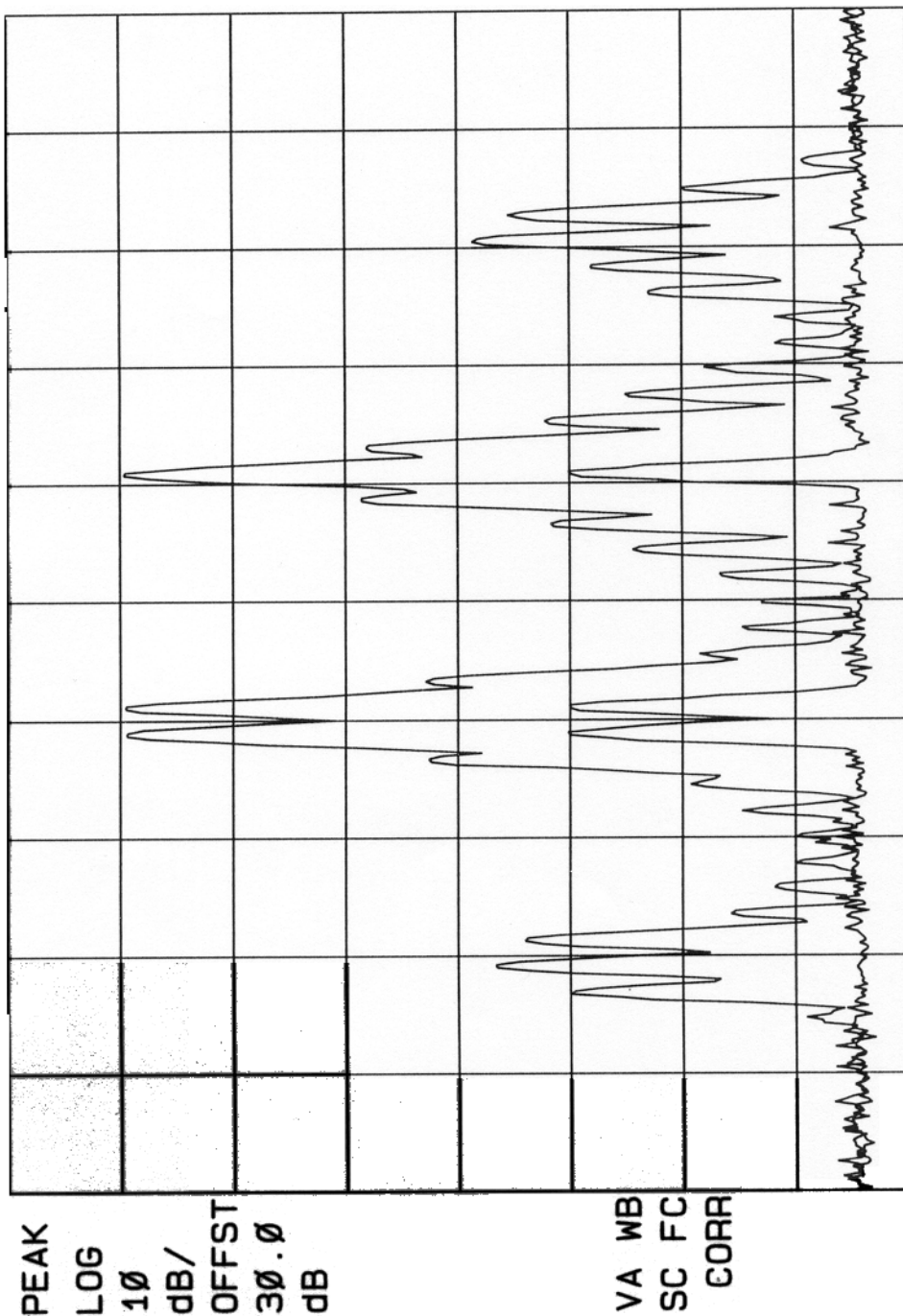
RETLIF TESTING LABORATORIES

Test Method	Intermodulation Characteristics		
Customer	Cellular Specialties	Job No.	R-3483N
Test Sample	Mini Bidirectional Amplifier		
Model No.	110	Serial No.	n/a
Test Specification	FCC Certification		Paragraph
Operating Mode	Amplifying cellular telephone signals		
Technician	T. Cricco	Date	8/19/99
Notes	Uplink		

Sheet 2 of 4

16:04:23 AUG 19, 1999
R-3483N CELLULAR-INTERMODULATION-UPLINK

REF 30.0 dBm AT 10 dB



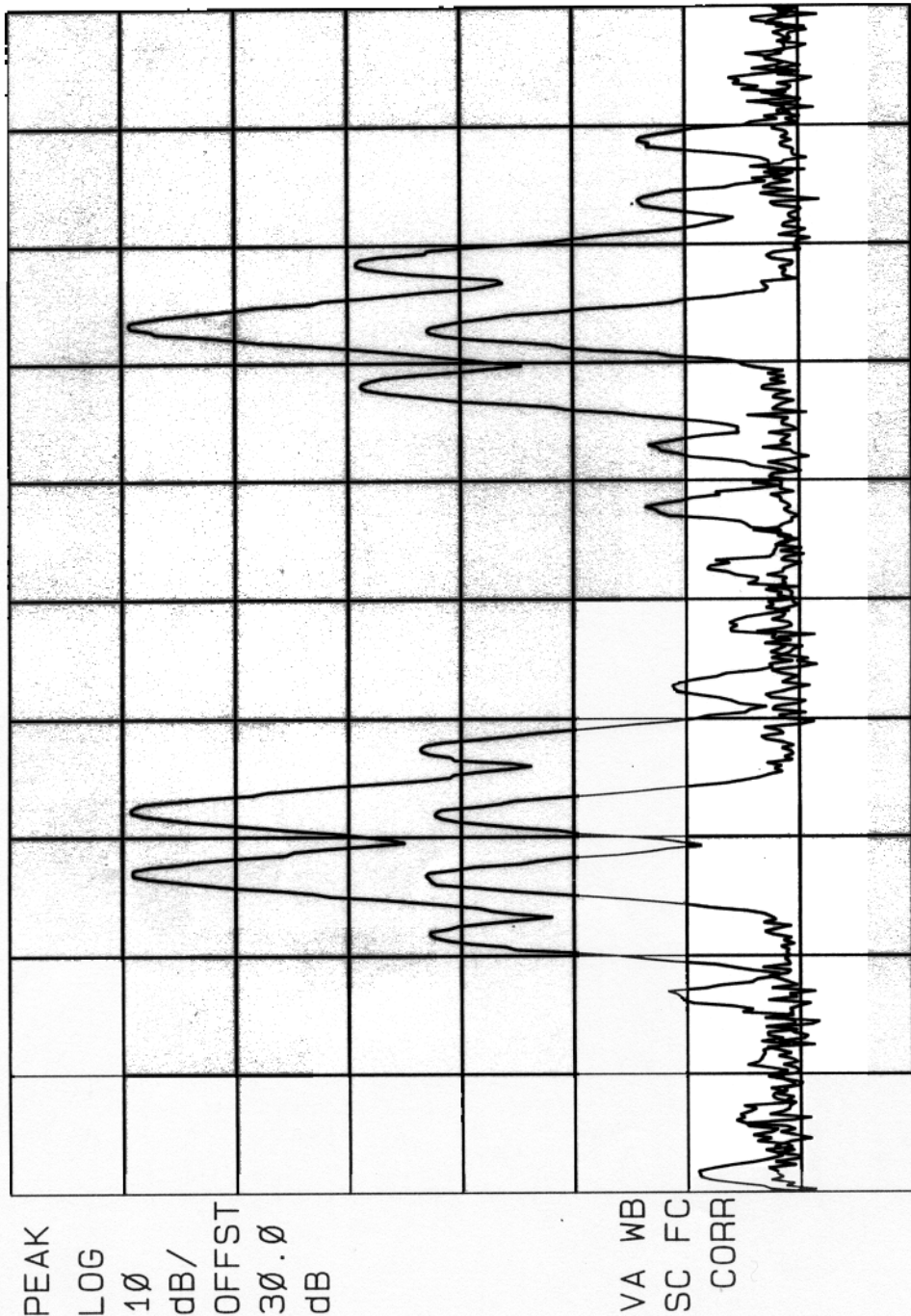
CENTER 813.50 MHZ
#RES BW 300 KHz
SPAN 50.00 MHZ
SWP 20.0 msec
#VBW 100 KHz

RETLIF TESTING LABORATORIES

Test Method	Intermodulation Characteristics		
Customer	Cellular Specialties	Job No.	R-3483N
Test Sample	Mini Bidirectional Amplifier		
Model No.	110	Serial No.	n/a
Test Specification	FCC Certification	Paragraph	
Operating Mode	Amplifying cellular telephone signals		
Technician	T. Cricco	Date	8/19/99
Notes	Downlink		

Sheet 3 of 4

16:13:26 AUG 19, 1999
~~170~~ R-3483N CELLULAR-INTERMODULATION-DOWNLINK
 REF 20.0 dBm AT 10 dB



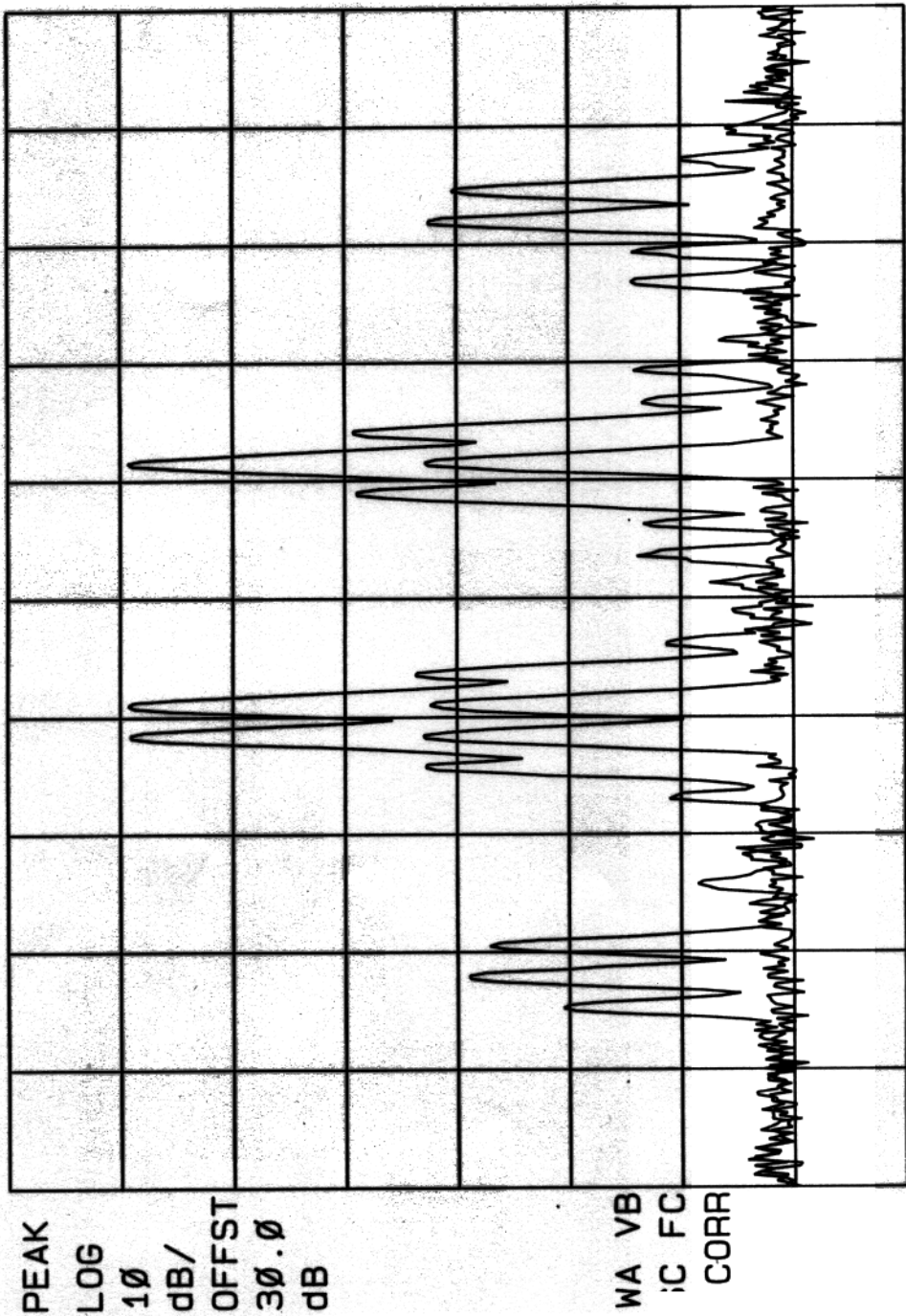
CENTER 858.50 MHz
 #RES BW 300 KHz
 #VBW 100 KHz
 SPAN 25.00 MHz
 SWP 20.0 msec

RETLIF TESTING LABORATORIES

Test Method	Intermodulation Characteristics		
Customer	Cellular Specialties	Job No.	R-3483N
Test Sample	Mini Bidirectional Amplifier		
Model No.	110	Serial No.	n/a
Test Specification	FCC Certification Paragraph		
Operating Mode	Amplifying cellular telephone signals		
Technician	T. Cricco	Date	8/19/99
Notes	Downlink		

Sheet 4 of 4

1 1 AU 1 1
 10 R 4 IN C LLULAR NT RMODULAT ON DOWNL NK
 REF 20.0 dBm AT 10 d



C:NT R 58.50 MHZ
 #R IW 00 KH:
 #VBW 100 KHZ
 SPAN 50.00 MHZ
 WP 00 m C