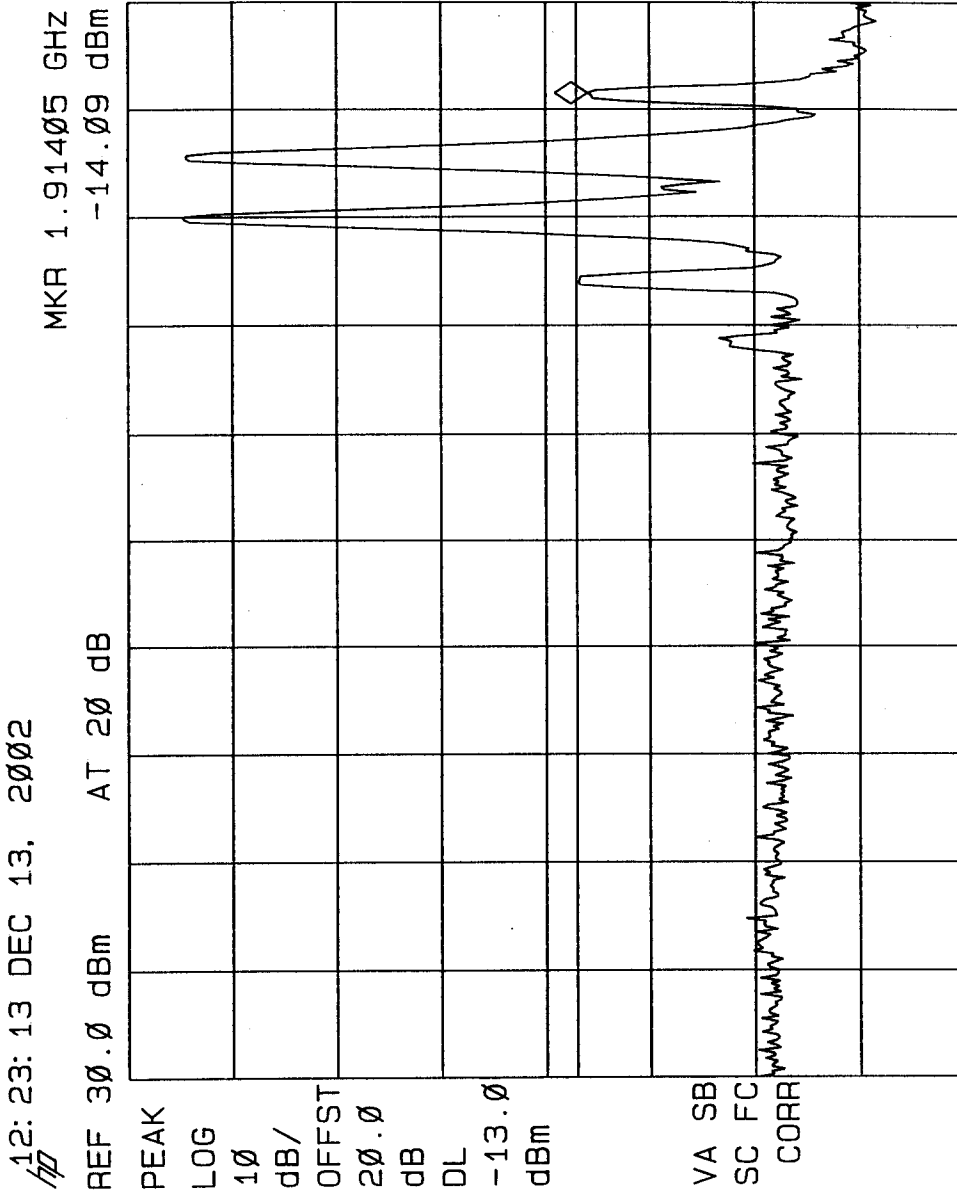


R-4023N Customer: Cellular Specialties, Inc Test Sample: Bidirectional Amplifier Model:610PCS
Test: Two Tone GSM uplink high end of band

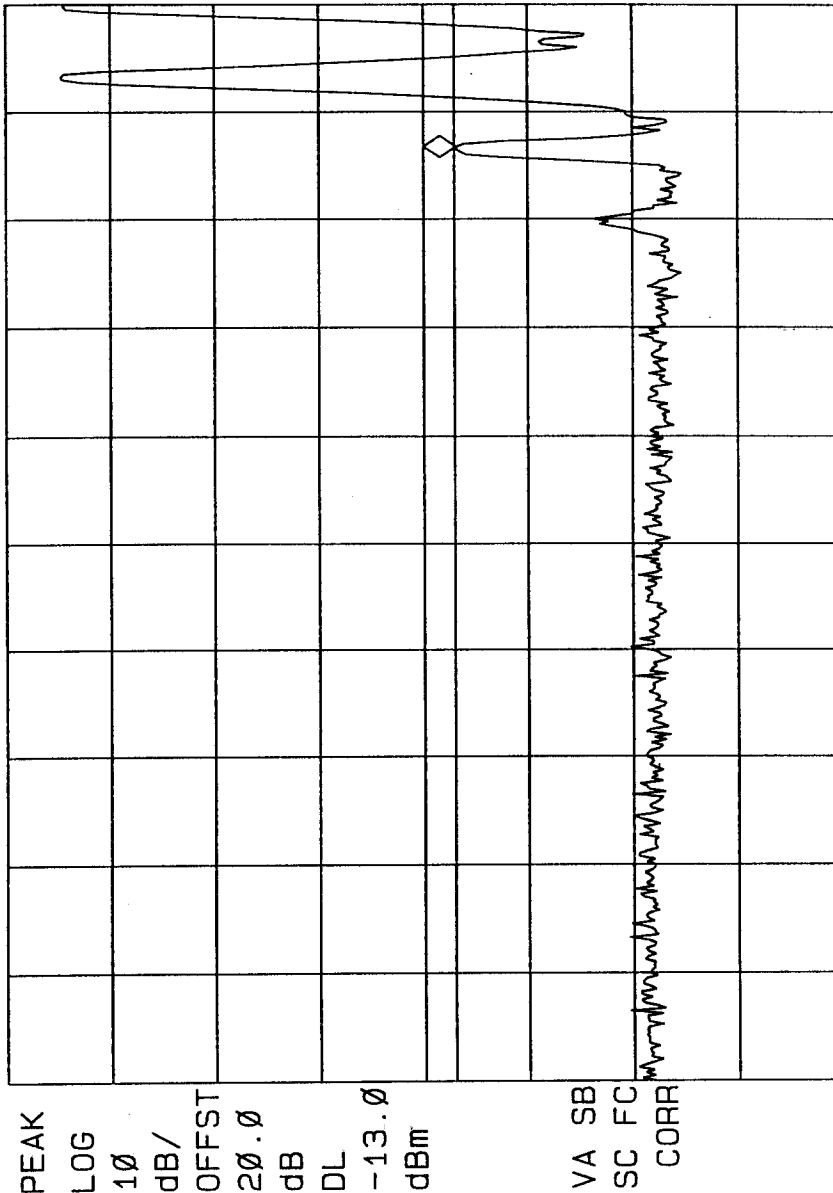


START 1.85000 GHz STOP 1.92000 GHz
#RES BW 300 kHz VBW 1 MHz SWP 20.0 msec

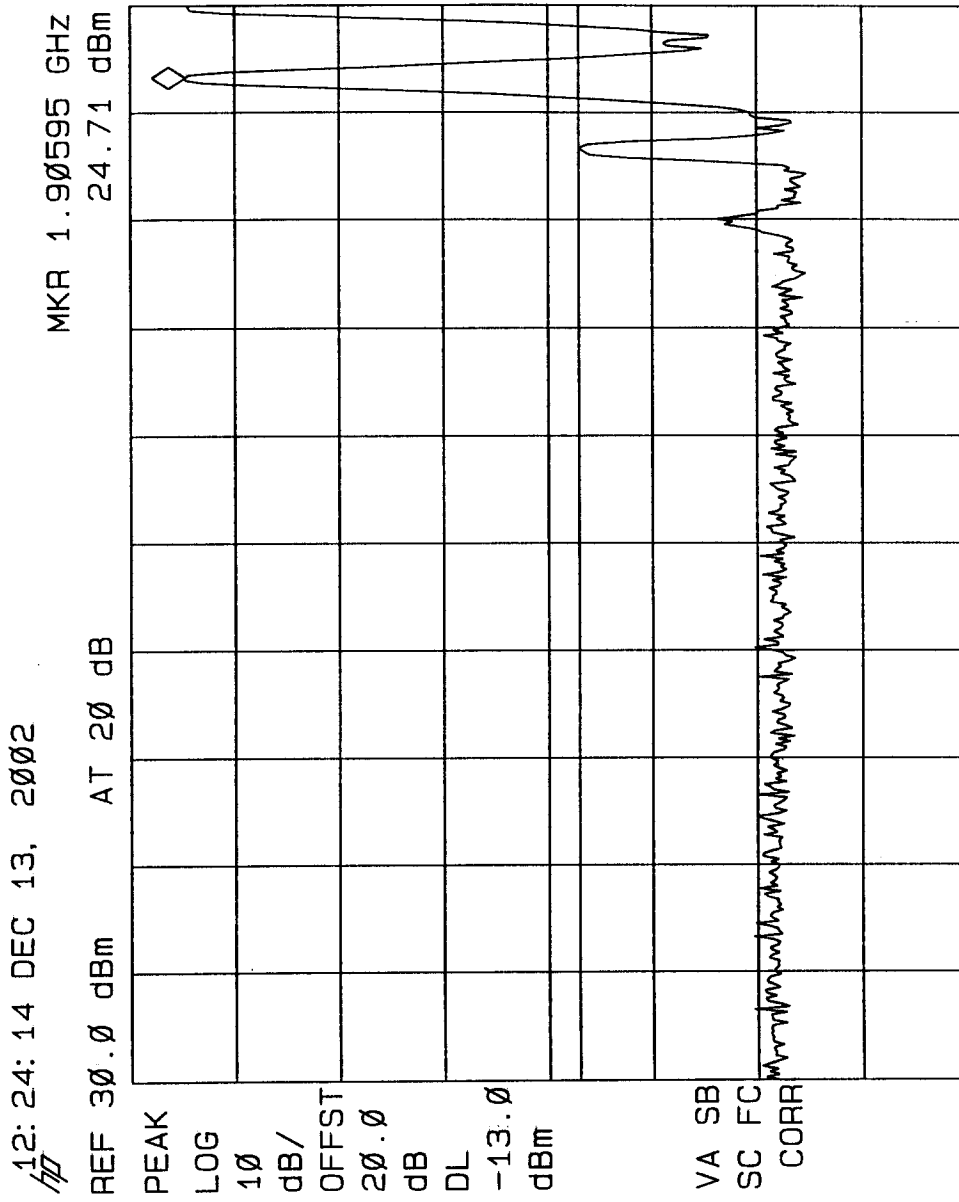
12: 24: 09 DEC 13, 2002

MKR 1.90205 GHz
 -13.19 dBm

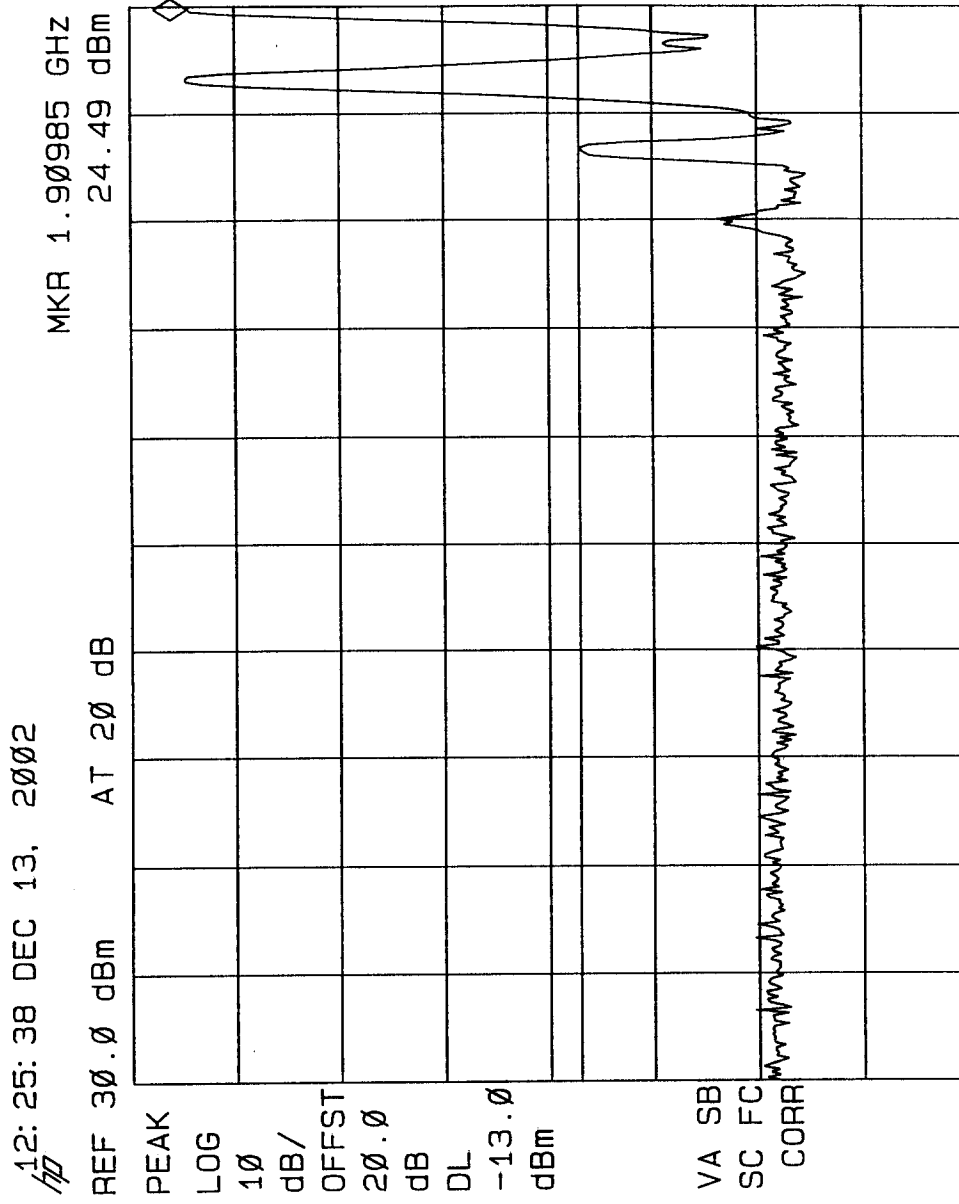
REF 30.0 dBm AT 20 dB



START 1.85000 GHz STOP 1.91000 GHz
 #RES BW 300 kHz VBW 1 MHz SWP 20.0 msec



START 1.85000 GHz STOP 1.91000 GHz
#RES BW 300 kHz VBW 1 MHz SWP 20.0 msec



START 1.85000 GHz STOP 1.91000 GHz
#RES BW 300 kHz VBW 1 MHz SWP 20.0 msec

R-4023N	Customer: Cellular Specialties, Inc	Test Sample: Bidirectional Amplifier	Model: 610PCS
	Test: Two Tone	GSM uplink high end of band	

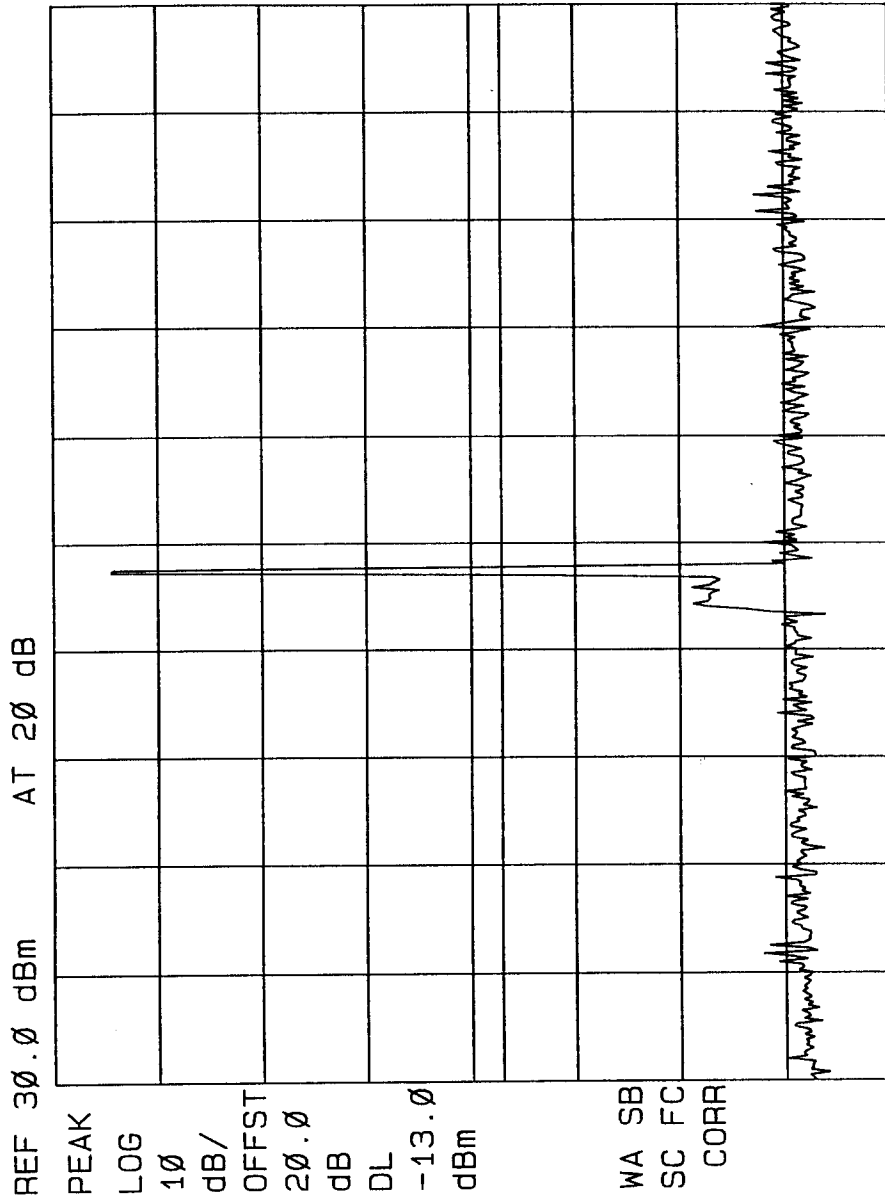
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REF 30.0 dBm AT 20 dB

[illegible]

START 30.0 MHz	STOP 1.0000 GHz
#RES BW 300 kHz	SWP 32.3 msec
VBW 1 MHz	

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 hp



START 1.000 GHz STOP 2.921 GHz
 #RES BW 300 kHz SWP 64.0 msec
 VBW 1 MHz

R-4023N	Customer: Cellular Specialties, Inc	Test Sample: Bidirectional Amplifier	Model: 610PCS
	Test: Two Tone	GSM uplink high end of band	

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REF 30.0 dBm	AT 20 dB
PEAK	
LOG	
10	
dB/	
OFFST	
20.0	
dB	
DL	
-13.0	
dBm	
WA SB	
SC FC	
CORR	

START 10.00 GHz	STOP 20.00 GHz
#RES BW 300 kHz	SWP 336 msec
	VBW 1 MHz