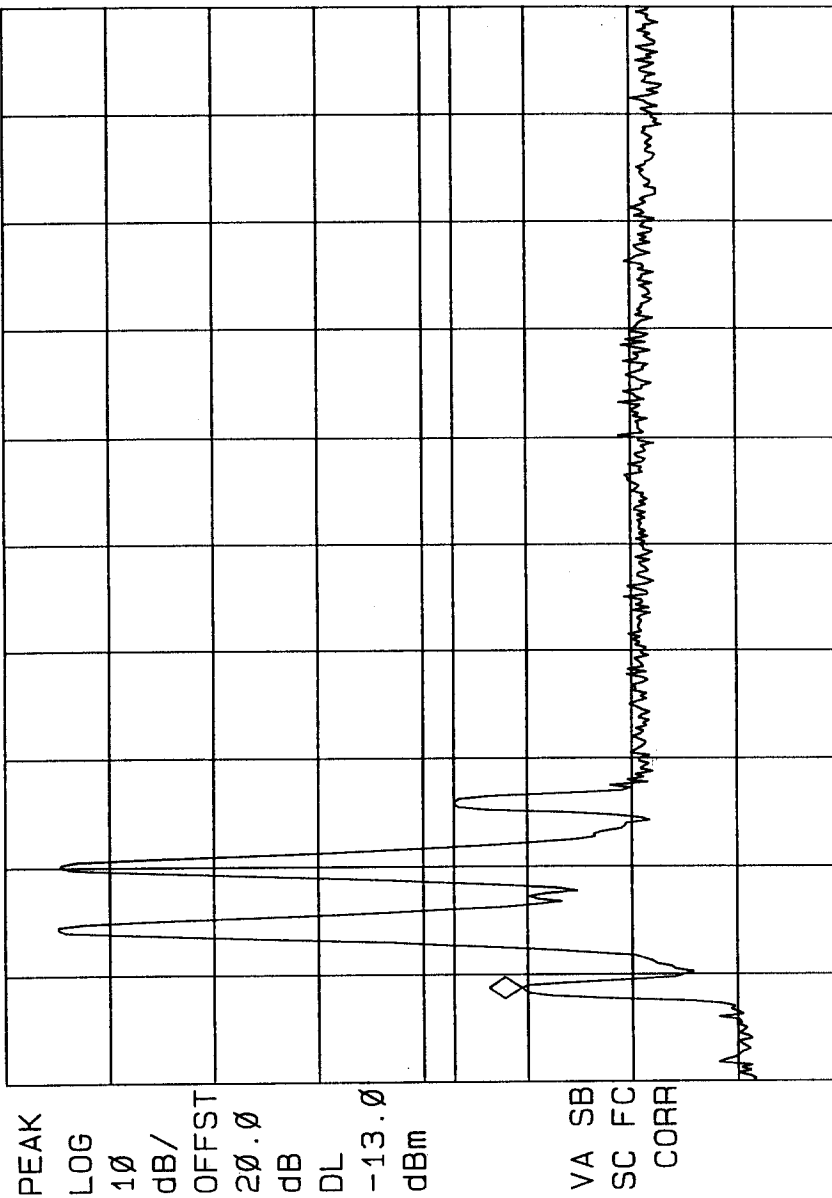


R-4023N Customer: Cellular Specialties, Inc Test Sample: Bidirectional Amplifier Model:610PCS
Test: Two Tone GSM downlink low end of band

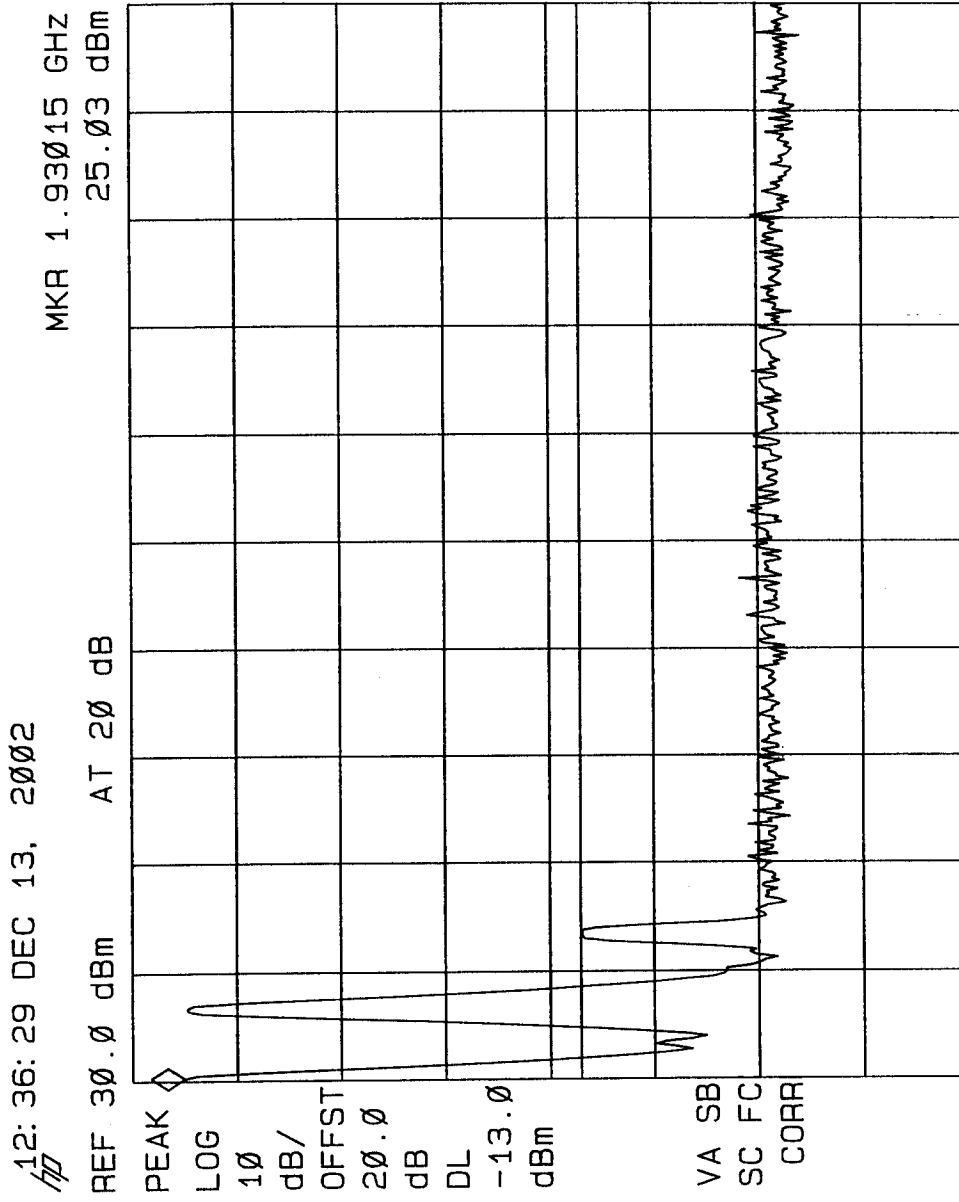
12:35:14 DEC 13, 2002
HP

MKR 1.92613 GHz
-19.48 dBm

REF 30.0 dBm AT 20 dB

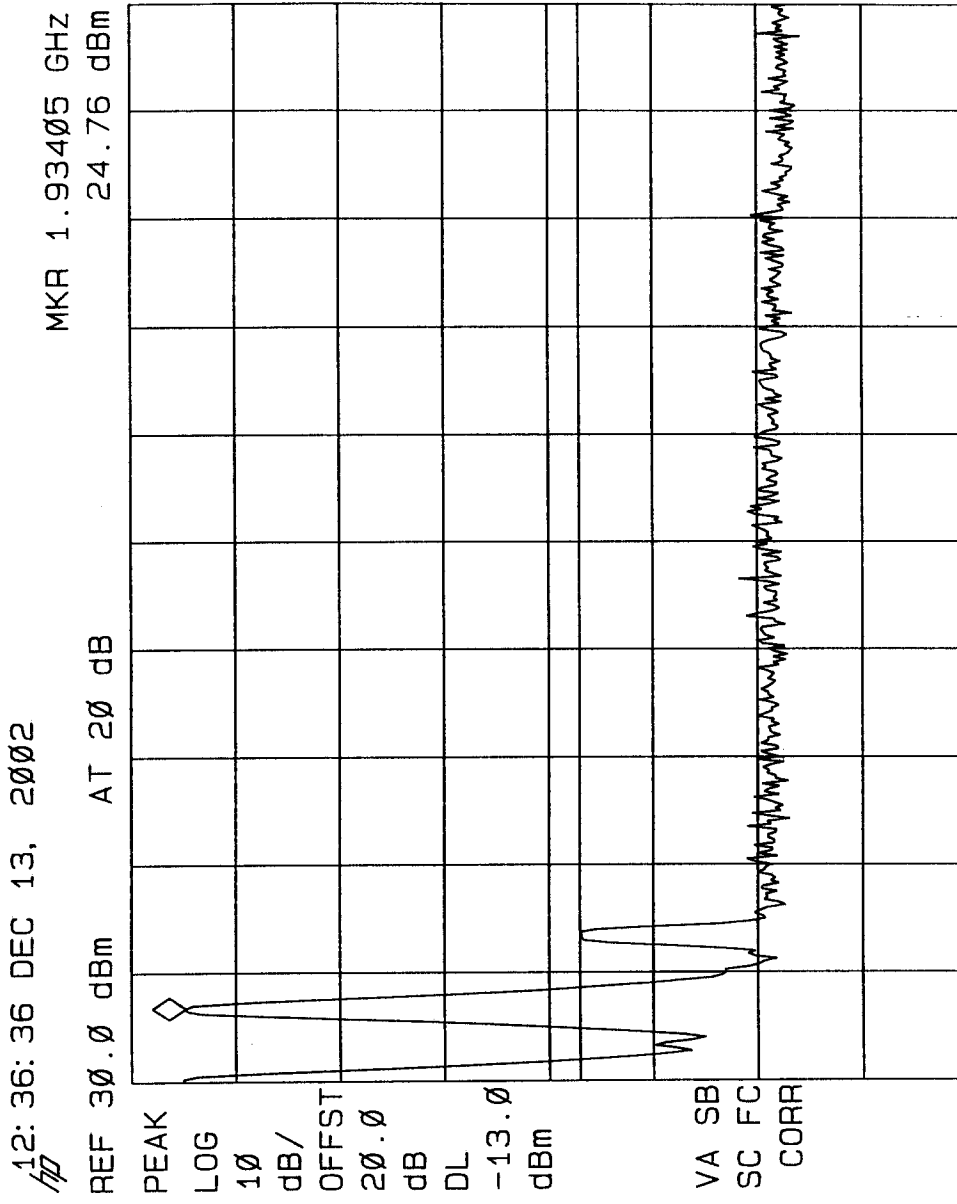


START 1.92000 GHz STOP 1.99000 GHz
#RES BW 300 kHz VBW 1 MHz SWP 20.0 msec

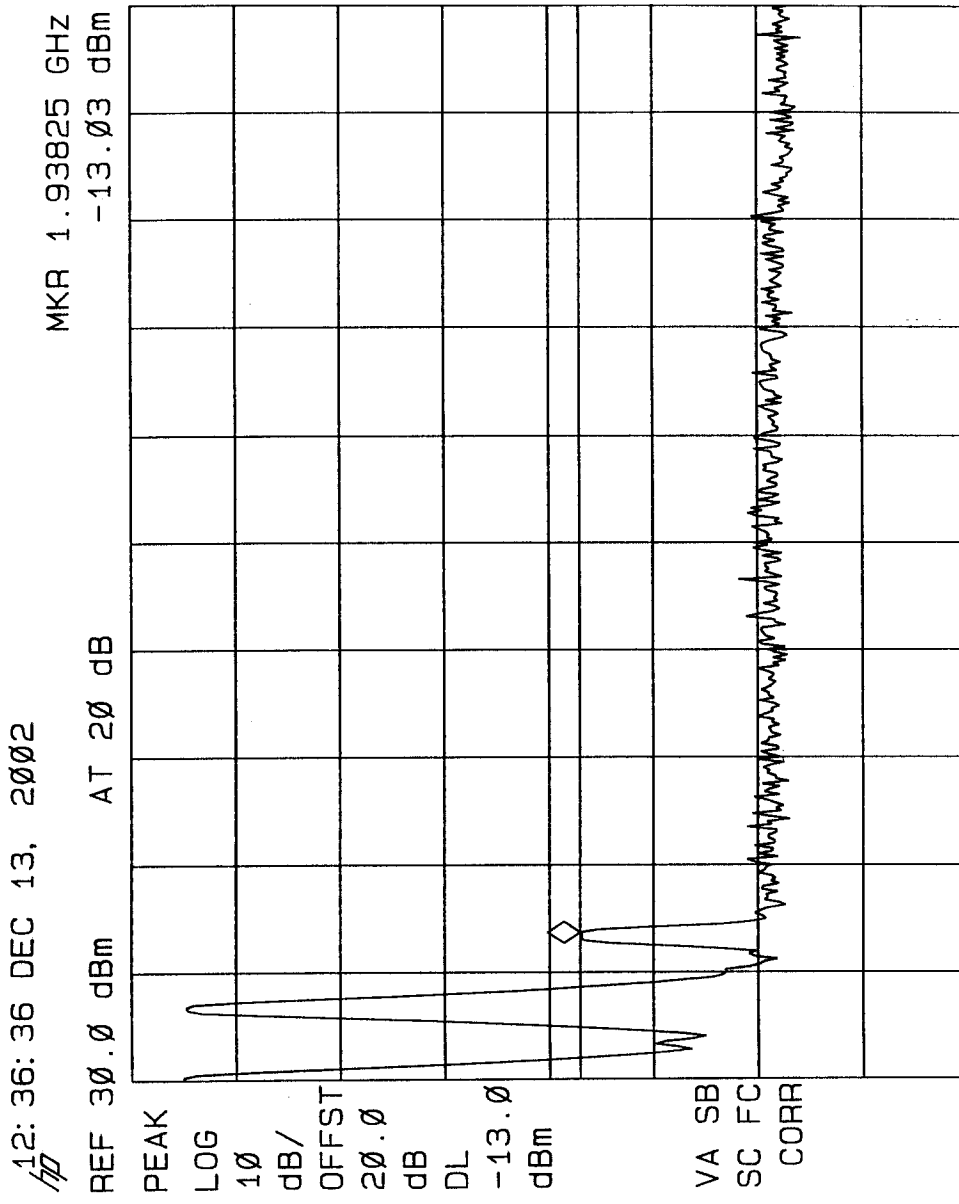


START 1.93000 GHz STOP 1.99000 GHz
 #RES BW 300 KHZ VBW 1 MHz SWP 20.0 msec

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



START 1.93000 GHz STOP 1.99000 GHz
#RES BW 300 kHz VBW 1 MHz SWP 20.0 msec

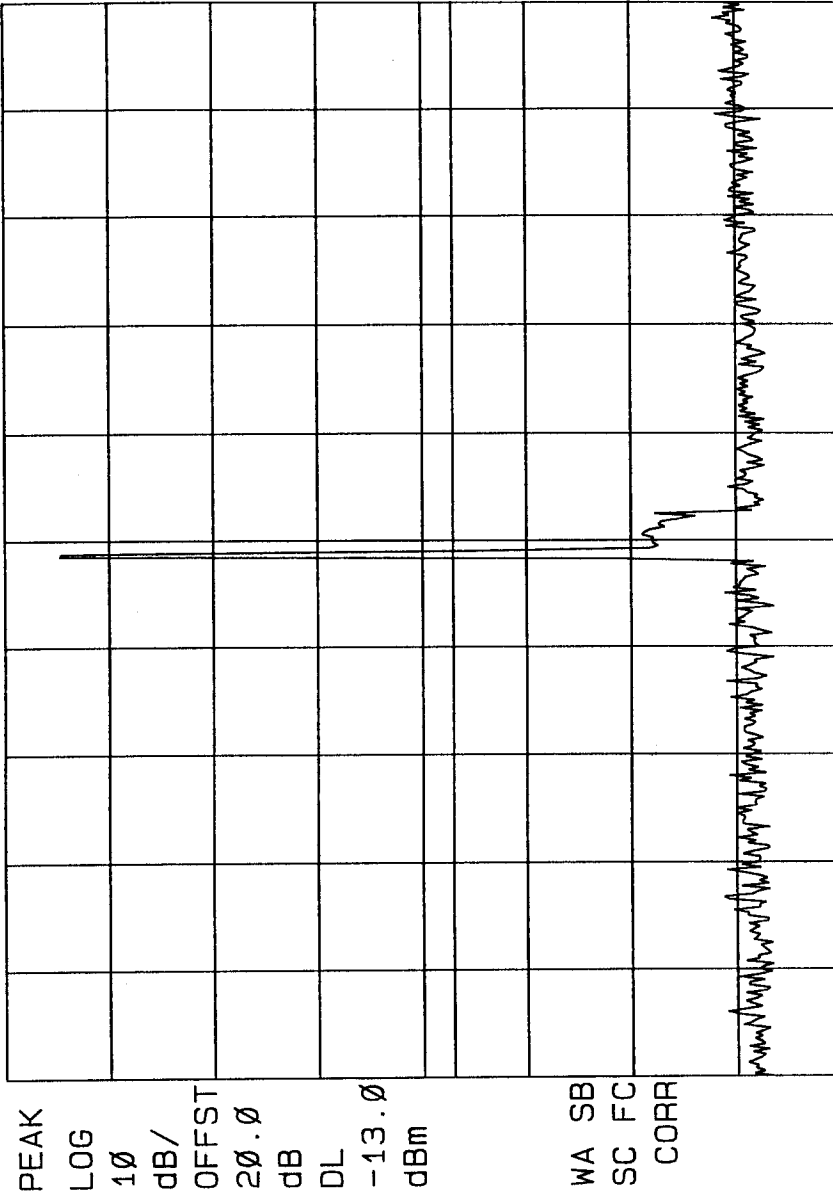


hp 12:38:45 DEC 13, 2002

[illegible]

12:38:57 DEC 13, 2002
hp

REF 30.0 dBm AT 20 dB



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

Model:610PCS

Model:610PCS

[illegible]

2 4.000 GHz

2 44.0 msec

Model:610PCS

Test Sample: Bidirectional Amplifier

Test: Two Tone GSM downlink low end of band

12:39:38 DEC 13, 2002

REF 30.0 dBm AT 20 dB

[illegible]

START 6.000 GHz	STOP 10.000 GHz
#RES BW 300 kHz	SWP 137 msec
	VBW 1 MHz

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

12:39:38 DEC 13, 2002

REF 30.0 dBm AT 20 dB

[illegible]

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