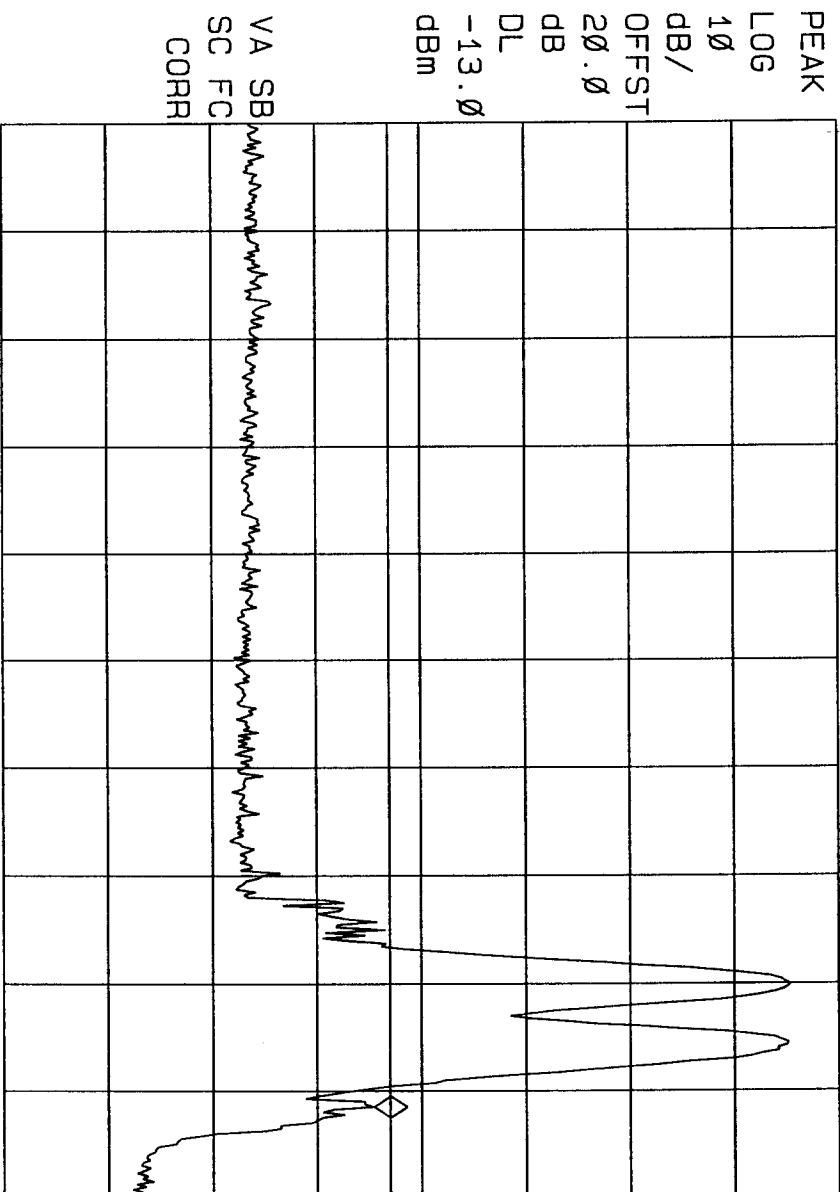


14:24:46 DEC 13, 2002

REF 30.0 dBm AT 20 dB

MKR 1.91405 GHz
 -14.56 dBm



START 1.85000 GHz STOP 1.92000 GHz
 #RES BW 1.0 MHz VBW 3 MHz SWP 20.0 msec

R-4023N

Customer: Cellular Specialties, Inc

Test Sample: Bidirectional Amplifier

Model:610PCS

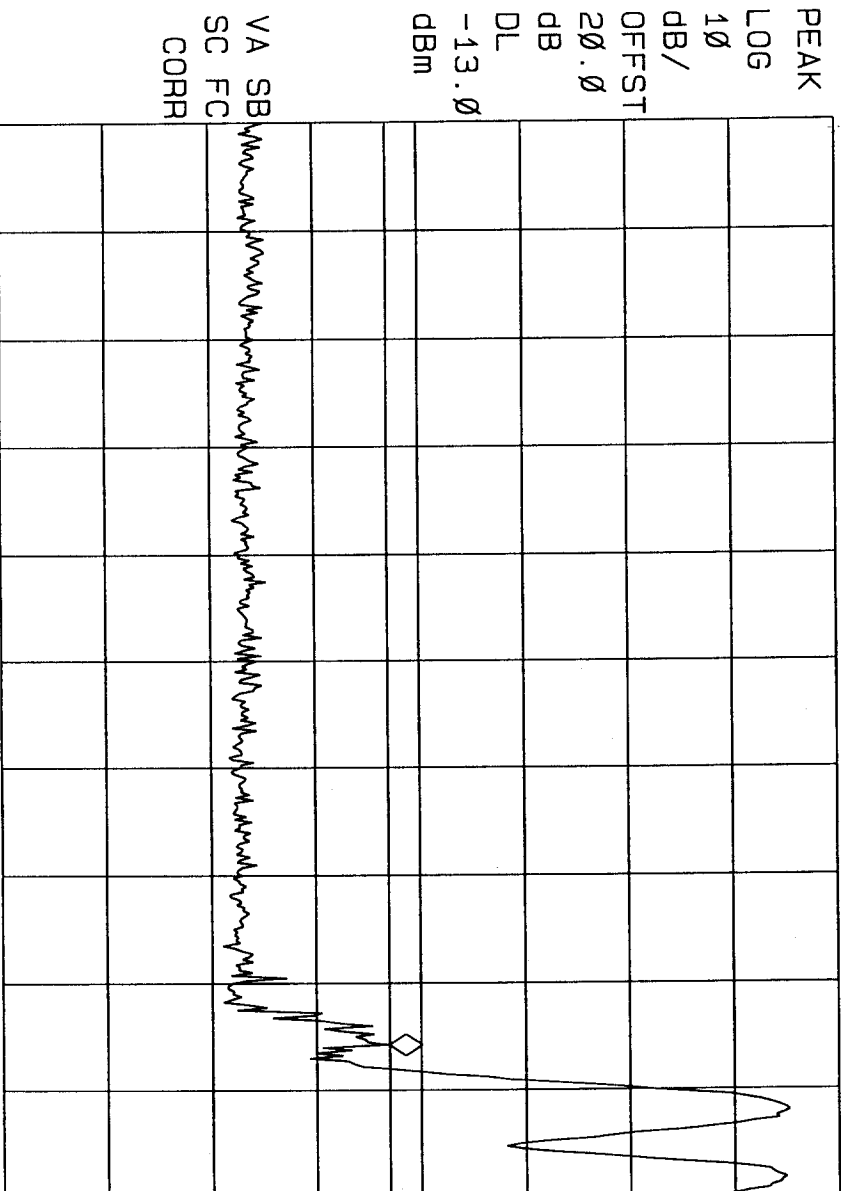
Test: Two Tone CDMA uplink high end of band

14:25:26 DEC 13, 2002

MKR 1.90231 GHz

REF 30.0 dBm AT 20 dB

-13.07 dBm



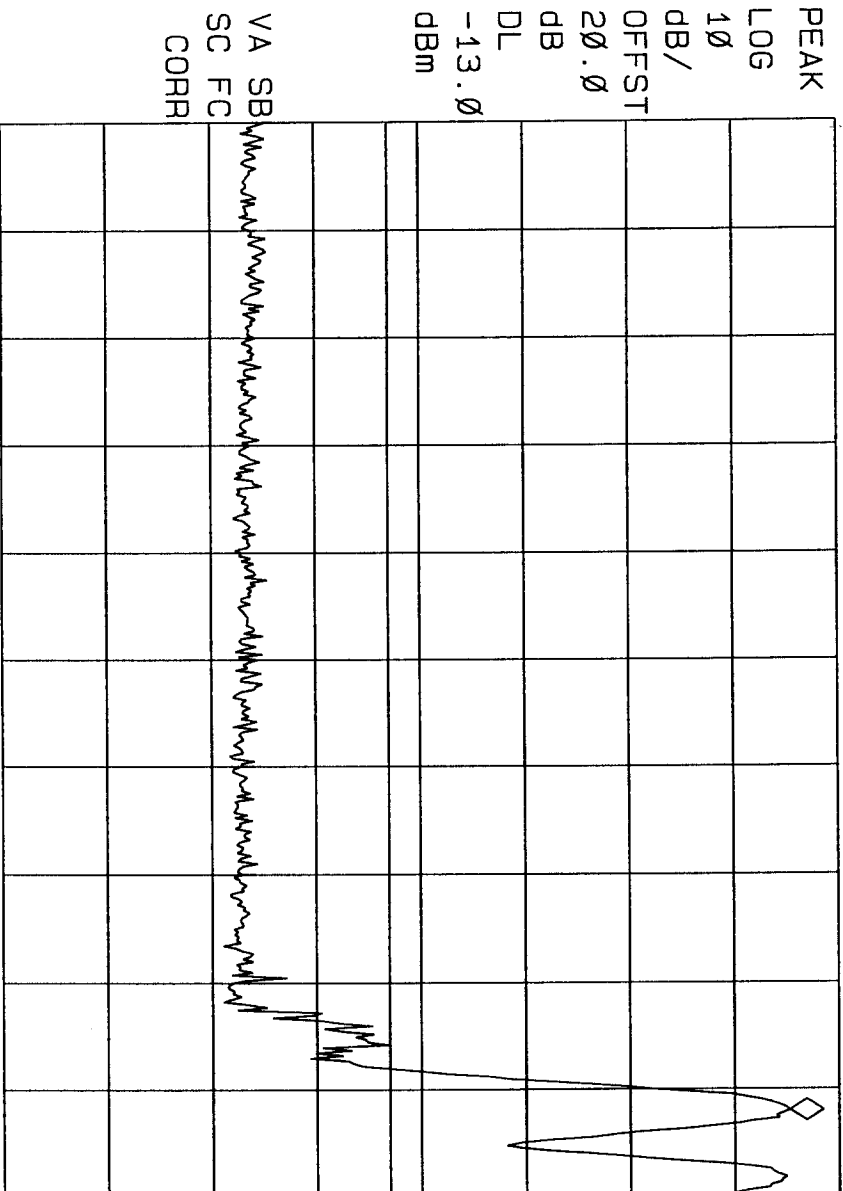
START 1.85000 GHz STOP 1.91100 GHz
#RES BW 1.0 MHz VBW 3 MHz SWP 20.0 msec

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

14: 25: 34 DEC 13, 2002

REF 30.0 dBm AT 20 dB

MKR 1.90612 GHz
 25.27 dBm



START 1.85000 GHz STOP 1.91100 GHz
 #RES BW 1.0 MHz VBW 3 MHz SWP 20.0 msec

Model:610PCS

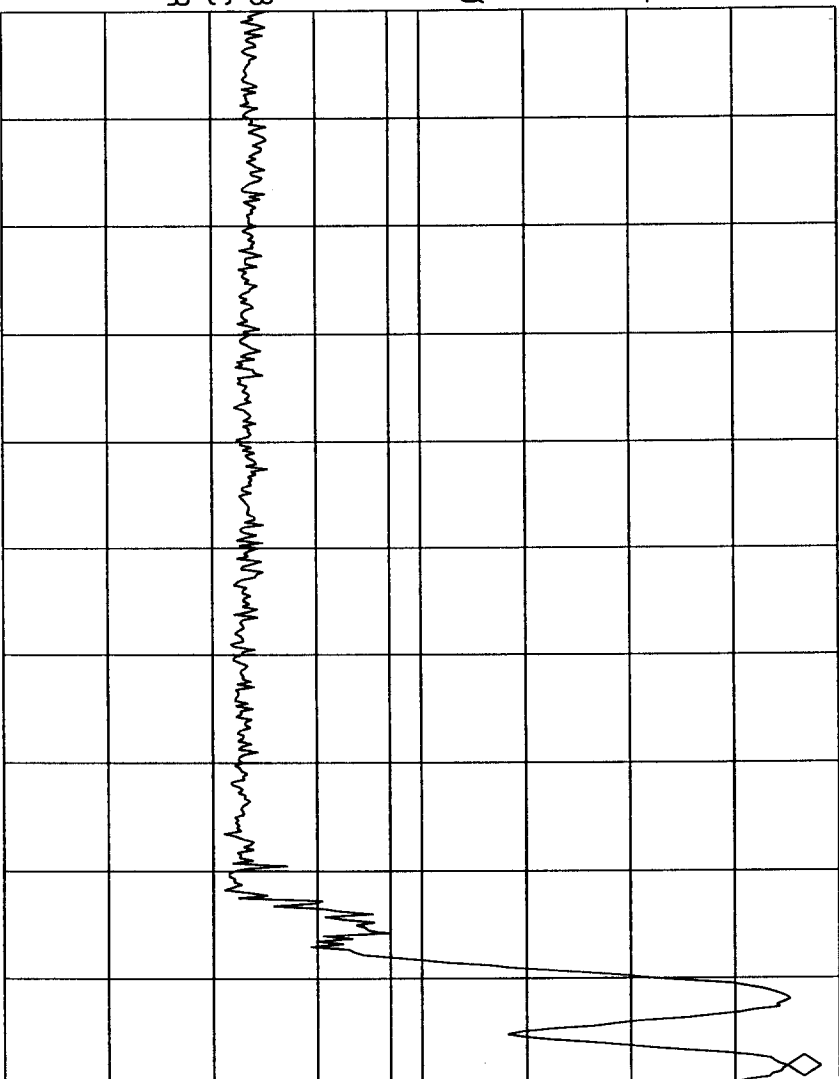
14:25:48 DEC 13, 2002
hp

MKR 1.90993 GHz

24.96 dBm

dBm

CORR



SWP 20.0 msec

14: 26: 23 DEC 13, 2002
 hp

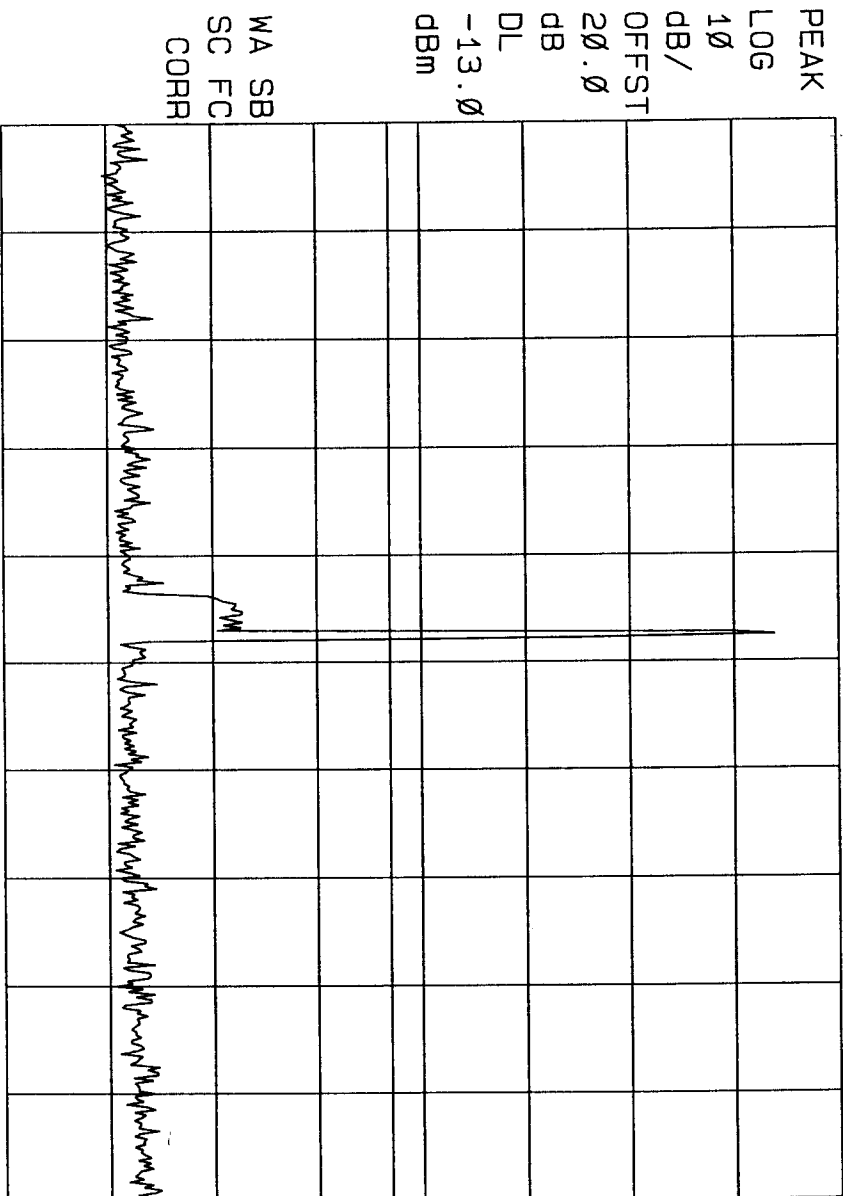
REF 30.0 dBm AT 20 dB

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

START 30.0 MHz STOP 1.0000 GHz
 #RES BW 1.0 MHz VBW 3 MHz SWP 20.0 msec

14: 26: 38 DEC 13, 2002

REF 30.0 dBm AT 20 dB



START 1.000 GHz STOP 2.921 GHz
 #RES BW 1.0 MHz VBW 3 MHz SWP 38.4 msec

Model:610PCS

14:26:44 DEC 13, 2002
hp

AT 20 dB

LOG

10

dB/

OFFST

20.0

BB

DL

-13.0

dBm

WA	SB
SC	FO

CORP

#RES BW 1.0 MHZ

VBW 3 MHz

STOP 4.000 GHz

SMP 26.4 msec

Test: Two Tone CDMA uplink high end of band

14: 27: 27 DEC 13, 2002

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 4.000 GHz STOP 6.000 GHz
#RES BW 1.0 MHz VBW 3 MHz SWP 40.0 msec

Test: Two Tone CDMA uplink high end of band

REF 30.0 dBm AT 20 dB

LOG

dB/

20.0

DL

dBm

SC FC

START 6.000 GHz	STOP 10.000 GHz
#RES BW 1.0 MHz	SMP 90.0 msec
	VBW 3 MHz

R-4023N

Customer: Cellular Specialties, Inc

Test Sample: Bidirectional Amplifier

Model: 610PCS

Test: Two Tone CDMA uplink high end of band