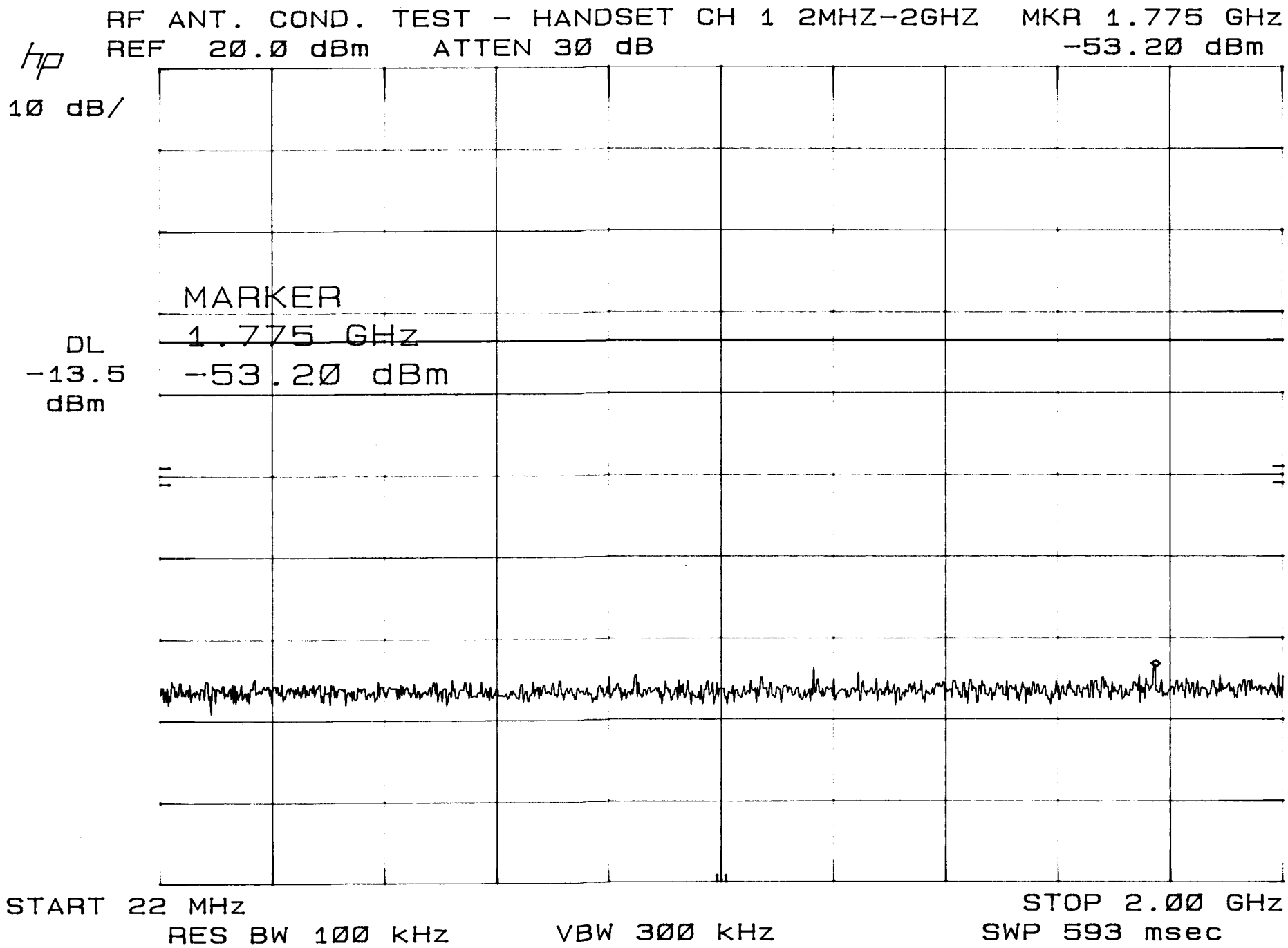
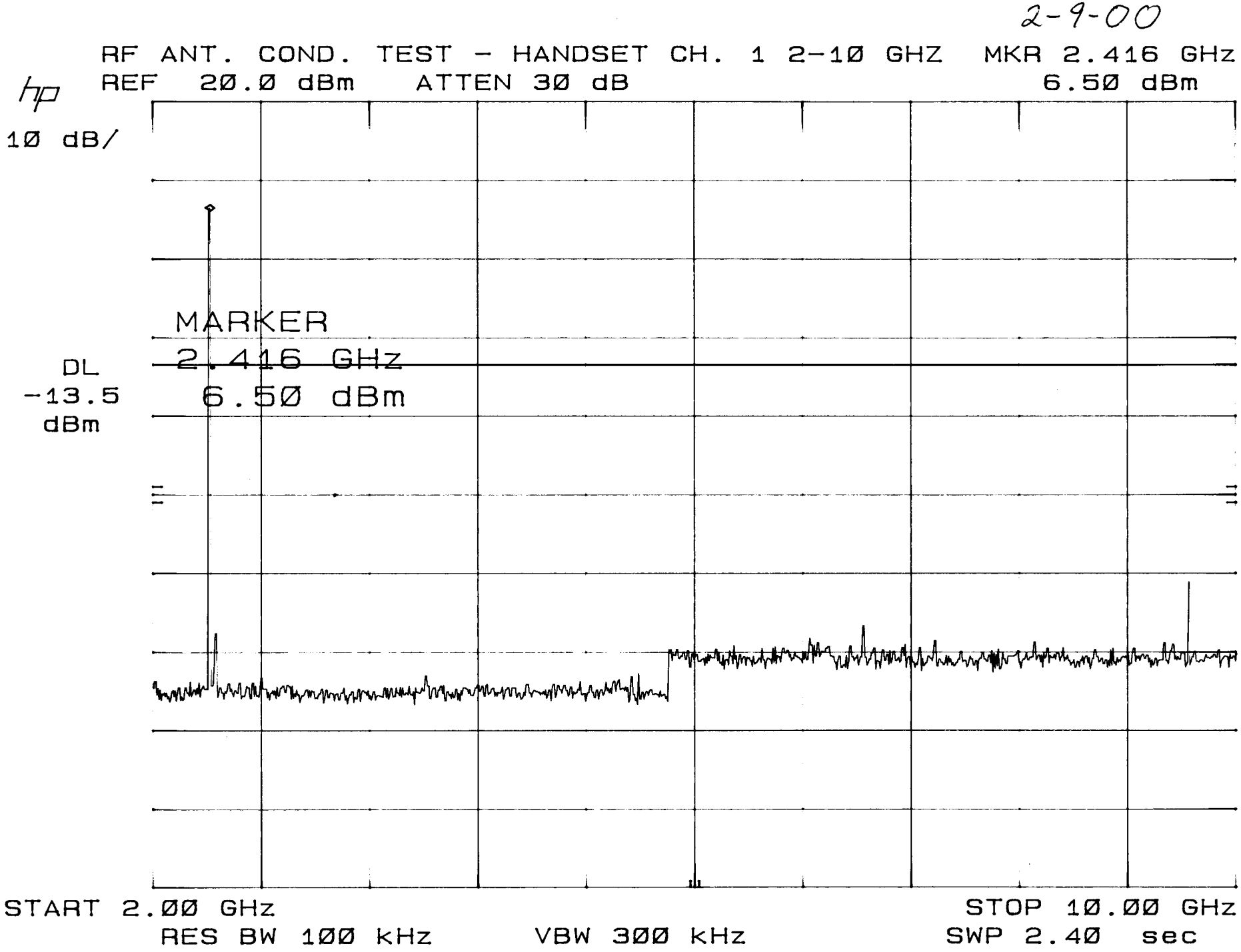
RF ANTENNA CONDUCTED DATA SHEETS FOR THE HANDSET

114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

2-9-00


RF ANT. COND. TEST – HANDSET CH 1 2MHZ–2GHZ
MKR 1.775 GHz
REF 20.0 dBm
ATTEN 30 dB
–53.20 dBm
10 dB/
MARKER
1.775 GHz
–53.20 dBm
DL
–13.5
dBm
START 22 MHz
STOP 2.00 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 593 msec

2-9-00

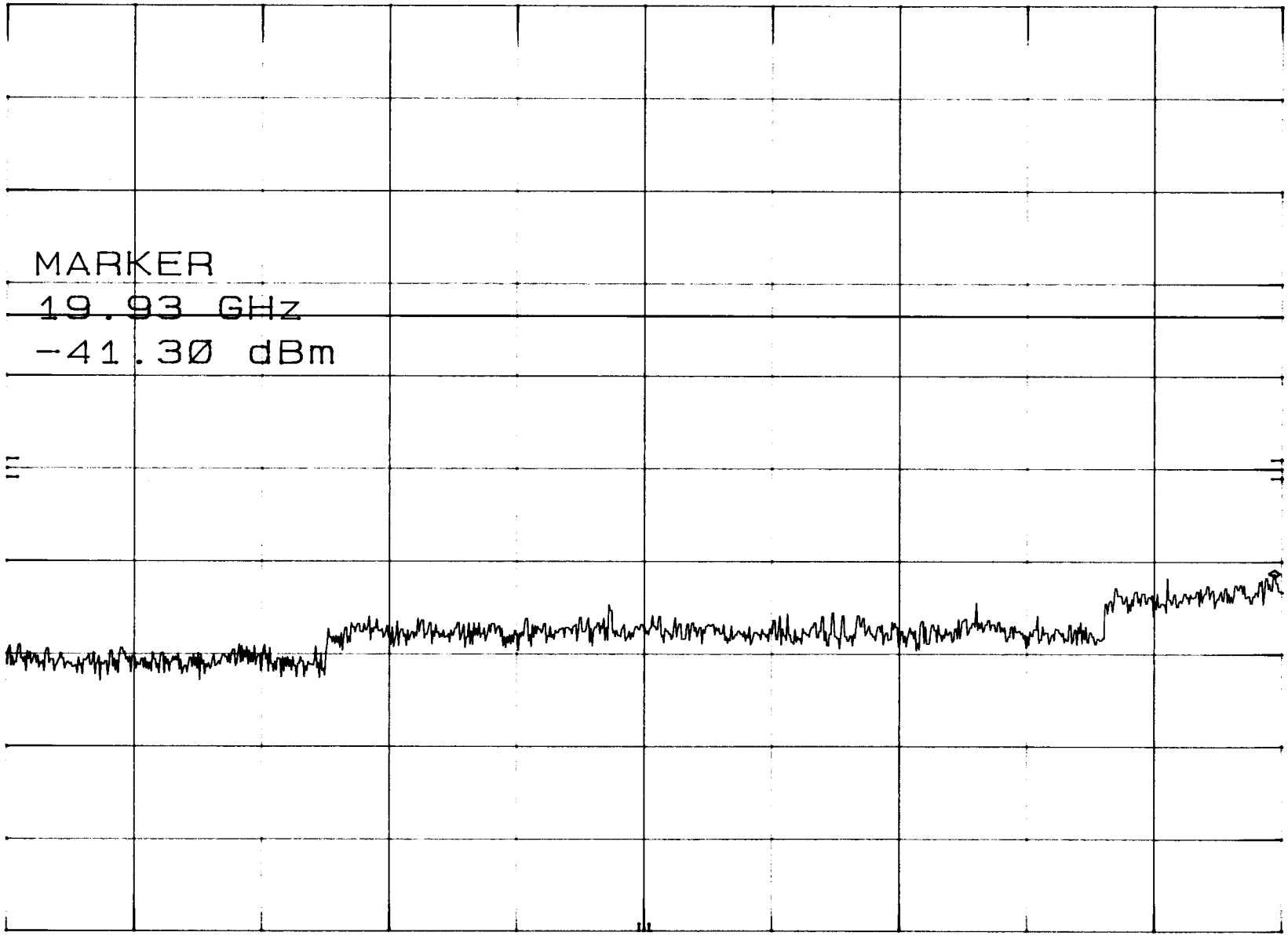

RF ANT. COND. TEST - HANDSET CH. 1 2-10 GHZ MKR 2.416 GHz
REF 20.0 dBm ATTEN 30 dB 6.50 dBm
hp
10 dB/
MARKER
2.416 GHz
6.50 dBm
DL
-13.5
dBm
START 2.00 GHz
STOP 10.00 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 2.40 sec

2-9-00

RF ANT. COND. TEST – HANDSET CH. 1 10–20GHZ MKR 19.93 GHz

REF 20.0 dBm ATTEN 30 dB −41.30 dBm

10 dB/

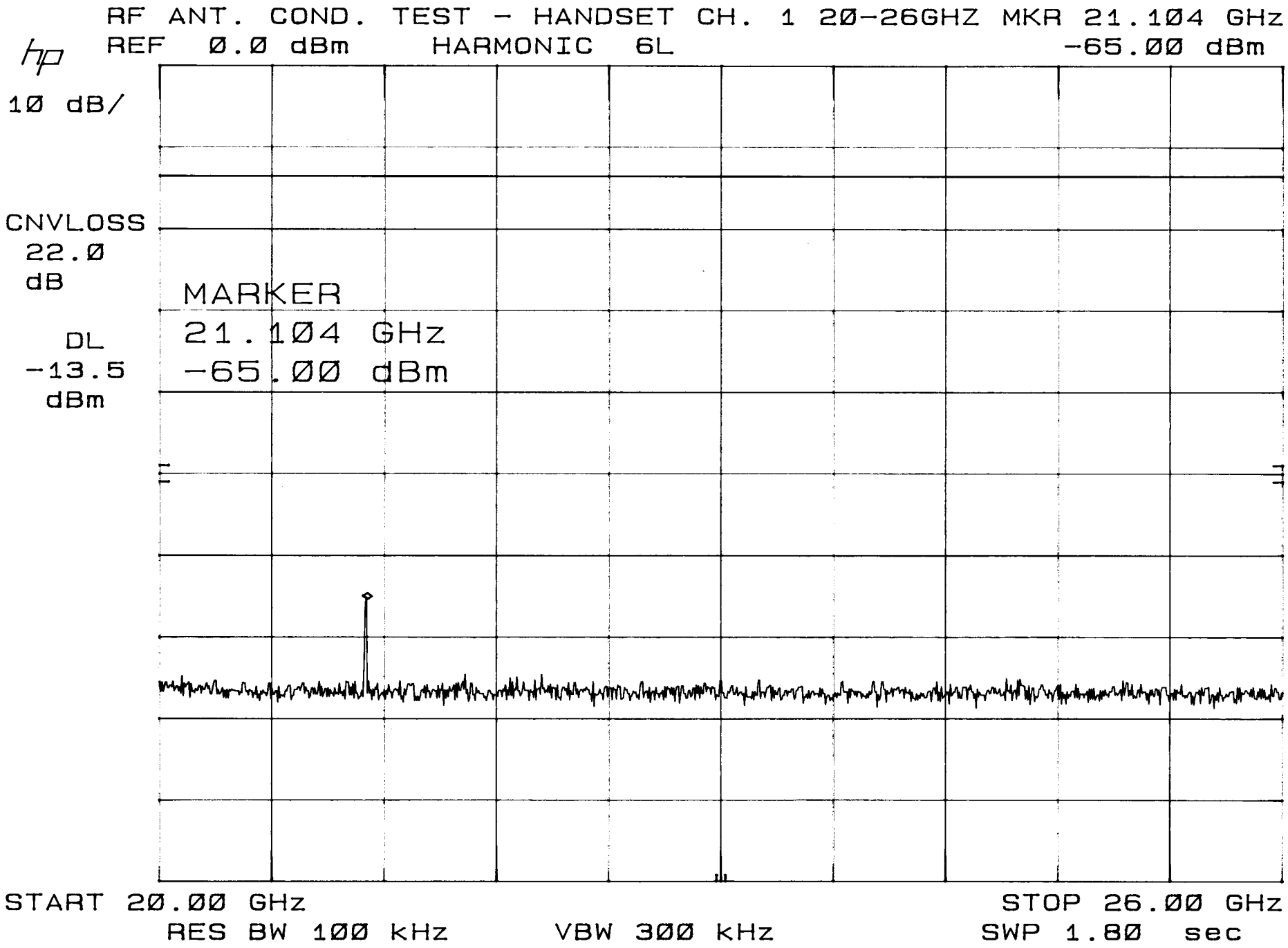


DL
−13.5
dBm

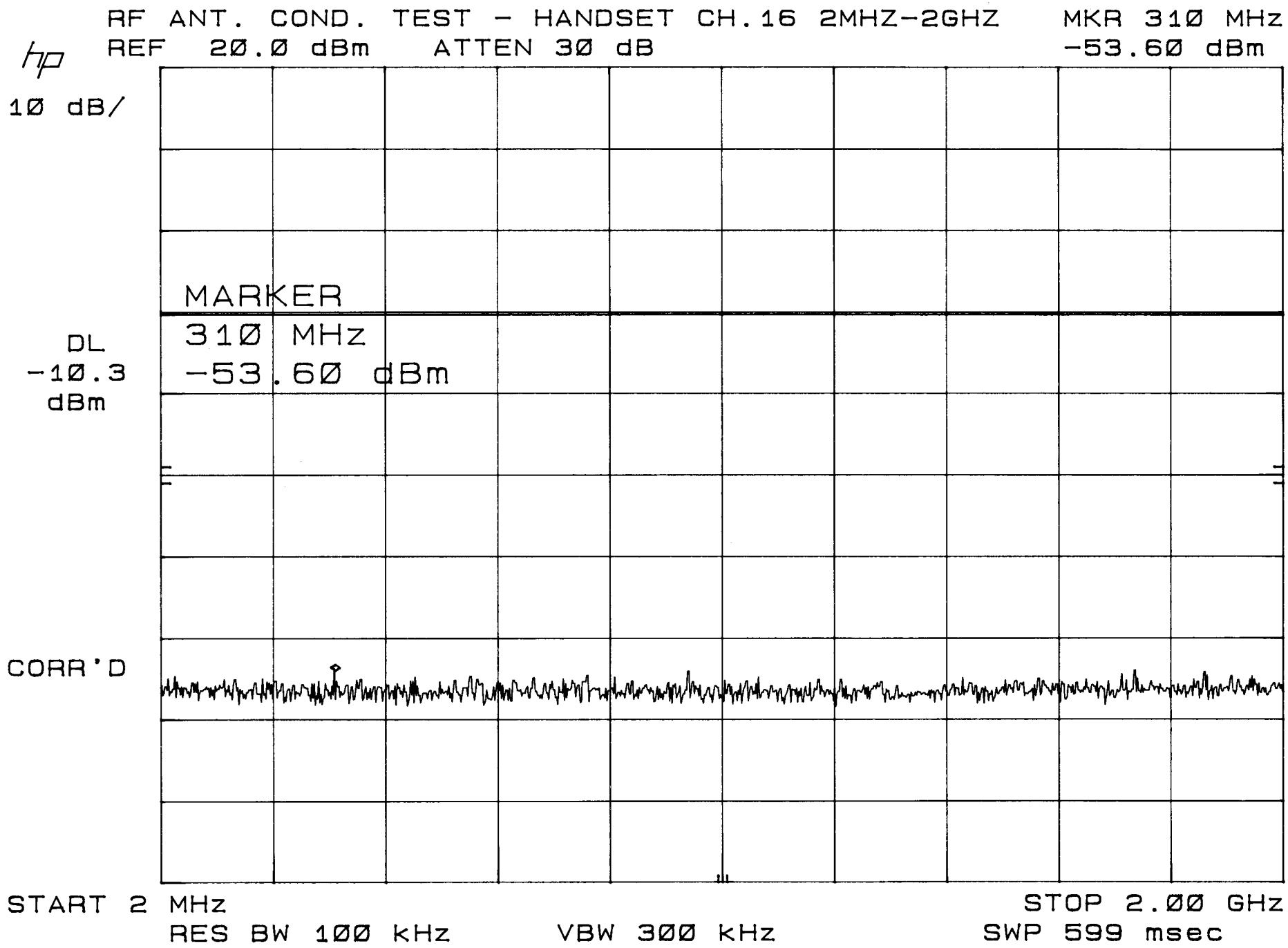
START 10.0 GHz STOP 20.0 GHz

RES BW 100 kHz VBW 300 kHz SWP 3.00 sec

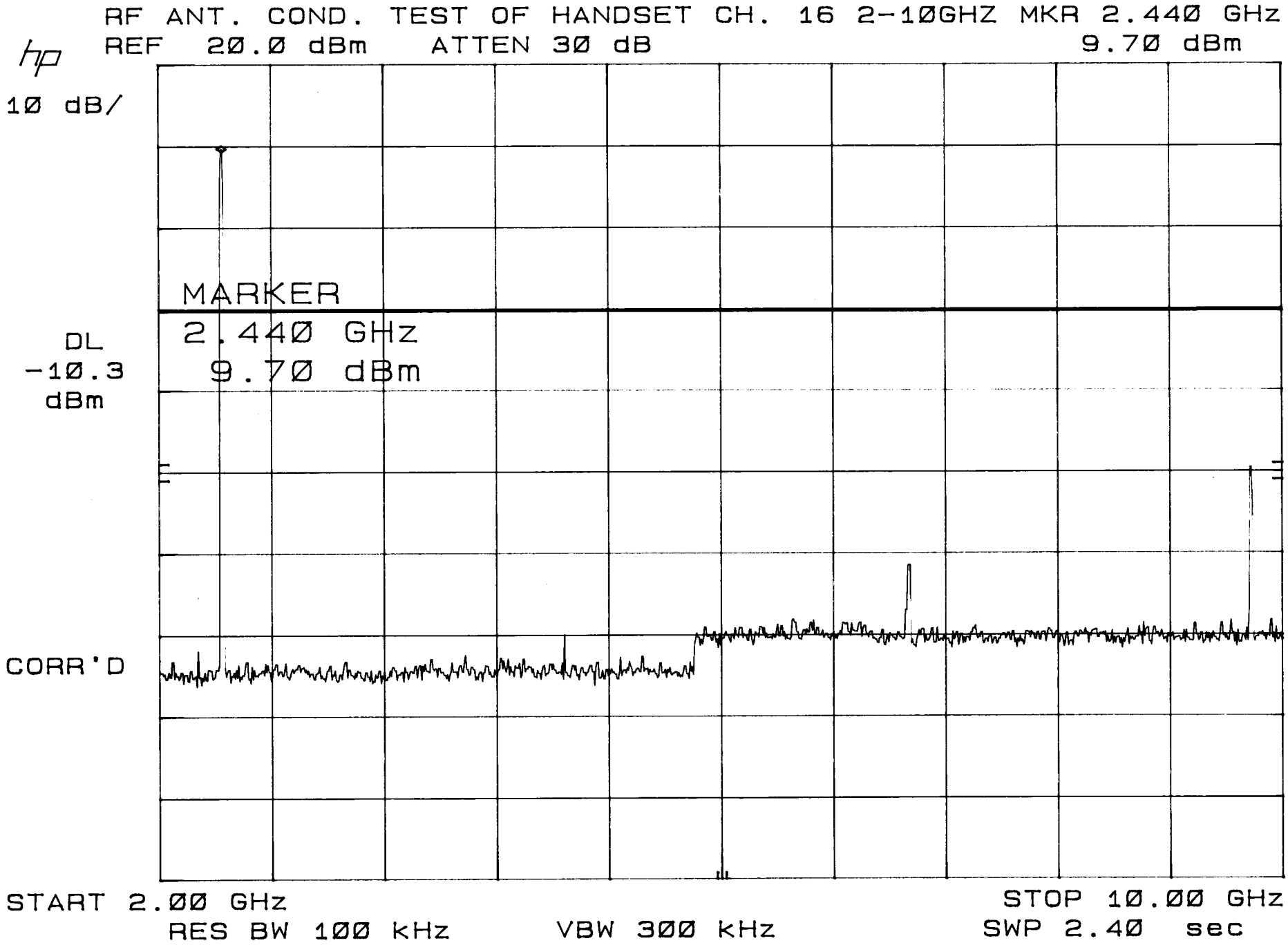
2-9-00


RF ANT. COND. TEST - HANDSET CH. 1 20-26GHZ MKR 21.104 GHz
REF 0.0 dBm
HARMONIC 6L
-65.00 dBm
10 dB/
CNVLOSS
22.0
dB
DL
-13.5
dBm
MARKER
21.104 GHz
-65.00 dBm
START 20.00 GHz
STOP 26.00 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 1.80 sec

2-9-00


RF ANT. COND. TEST - HANDSET CH.16 2MHZ-2GHZ
MKR 310 MHz
REF 20.0 dBm
ATTEN 30 dB
-53.60 dBm
hp
10 dB/
MARKER
310 MHz
-53.60 dBm
DL
-10.3
dBm
CORR'D
START 2 MHz
STOP 2.00 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 599 msec

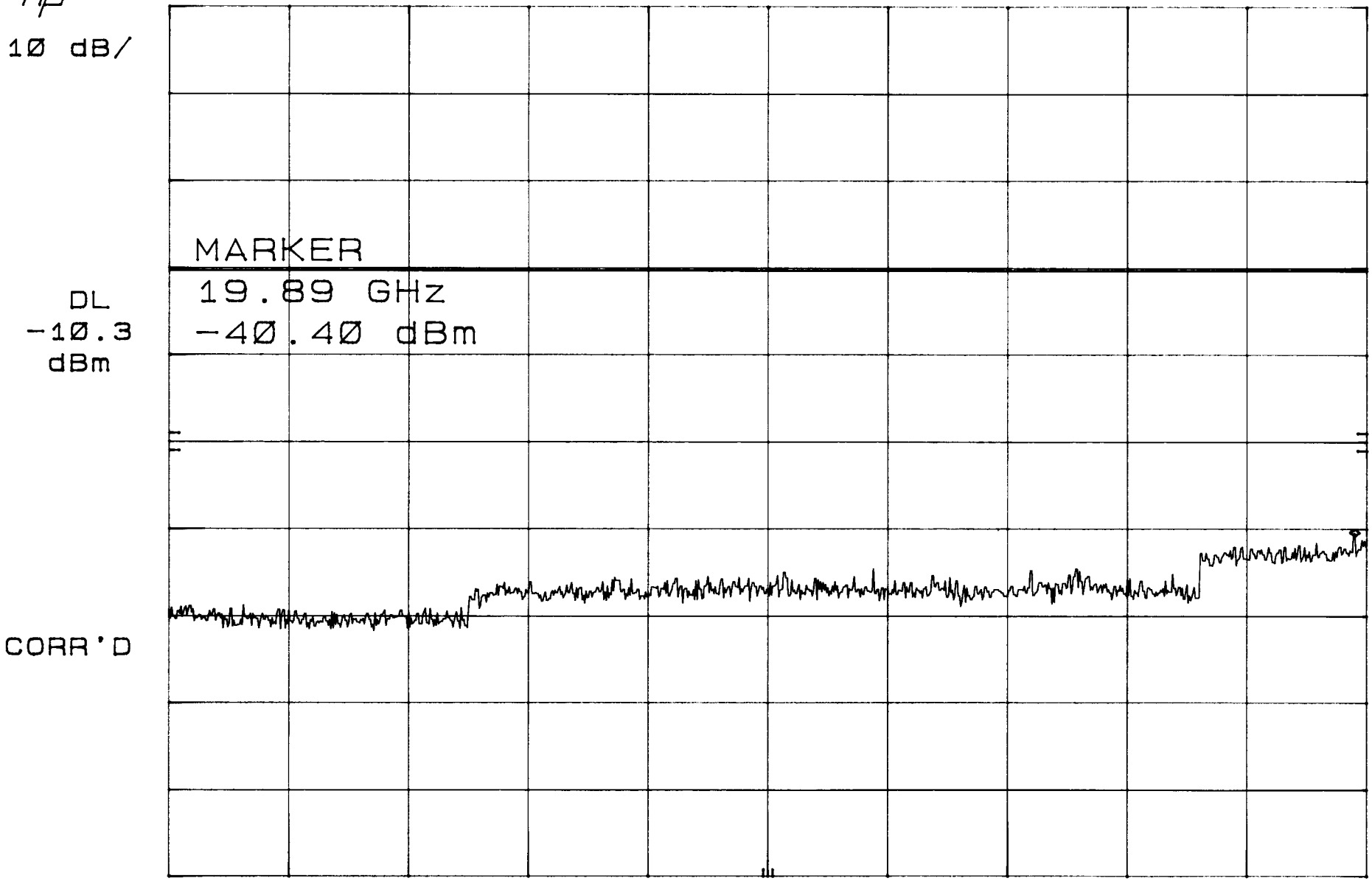
2-9-00


RF ANT. COND. TEST OF HANDSET CH. 16 2-10GHZ MKR 2.440 GHz
REF 20.0 dBm ATTEN 30 dB 9.70 dBm
10 dB/
MARKER
2.440 GHz
9.70 dBm
DL
-10.3
dBm
CORR'D
START 2.00 GHz
STOP 10.00 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 2.40 sec

2-9-00

RF ANT. COND. TEST - HANDSET CH.16 10-20GHZ MKR 19.89 GHz

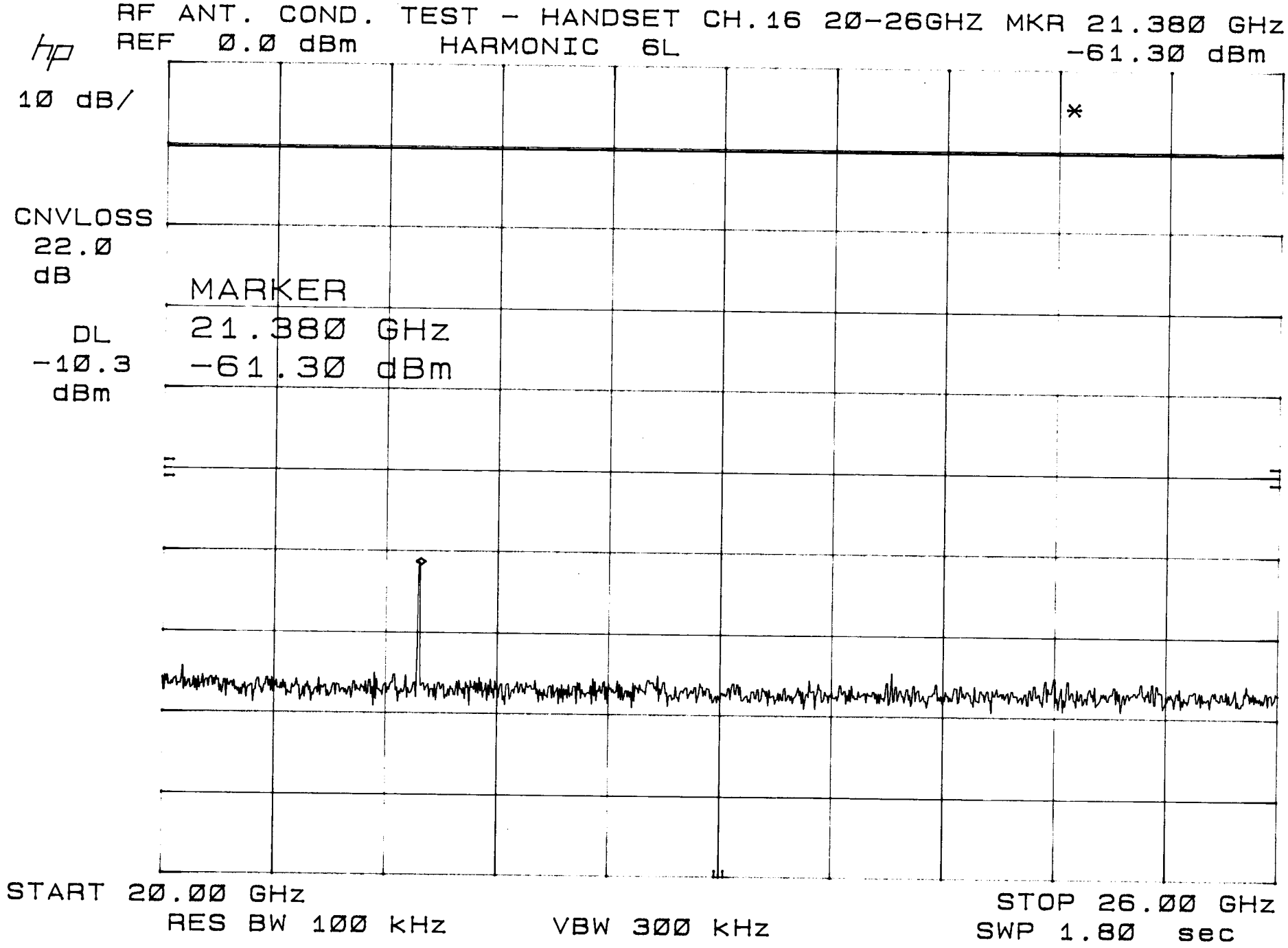
REF 20.0 dBm ATTEN 30 dB -40.40 dBm



START 10.0 GHz STOP 20.0 GHz

RES BW 100 kHz VBW 300 kHz SWP 3.00 sec

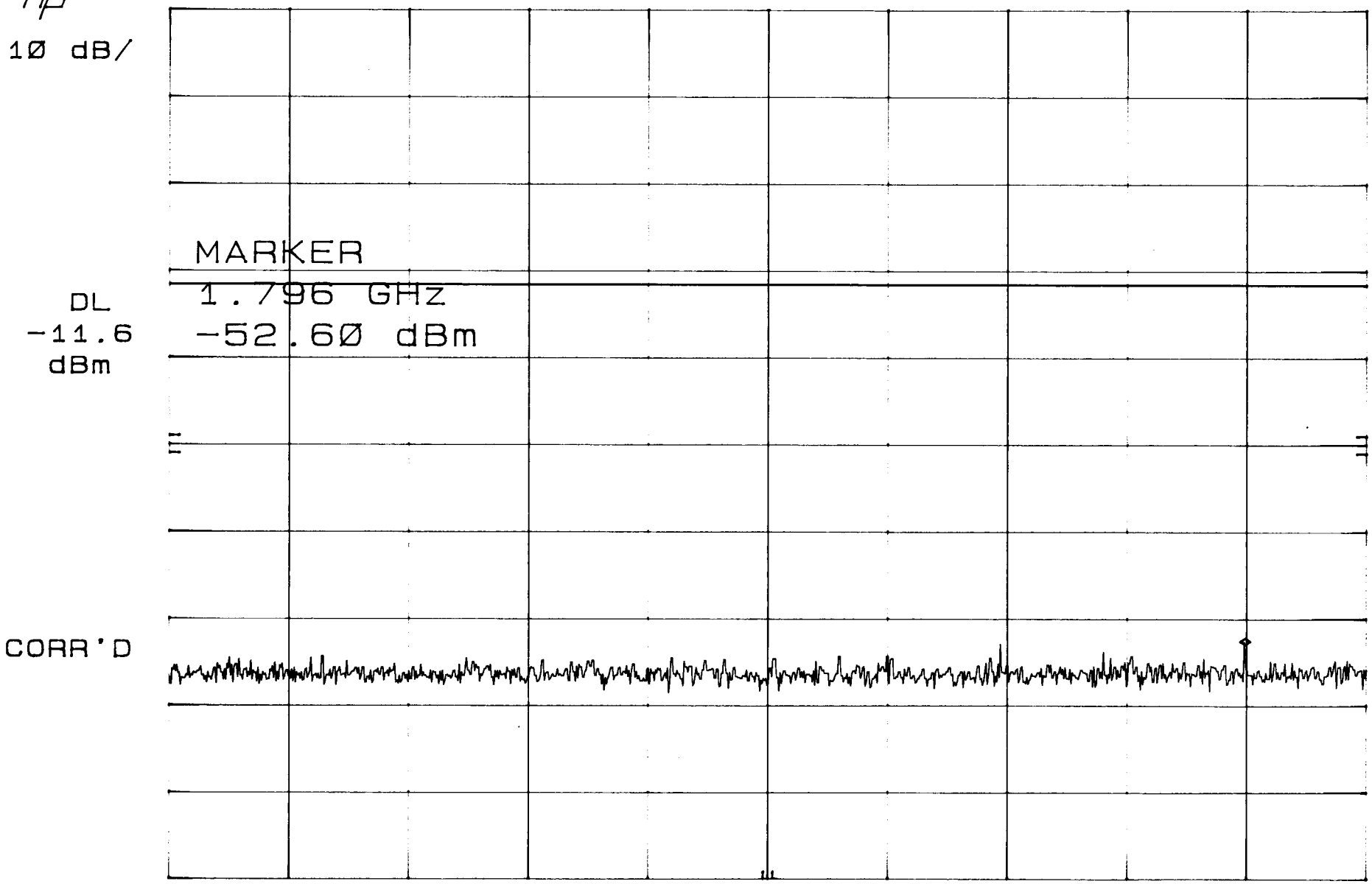
2-9-00


RF ANT. COND. TEST - HANDSET CH.16 20-26GHZ MKR 21.380 GHz
REF 0.0 dBm
HARMONIC 6L
-61.30 dBm
10 dB/
CNVLOSS
22.0
dB
MARKER
21.380 GHz
-61.30 dBm
DL
-10.3
dBm
START 20.00 GHz
RES BW 100 kHz
VBW 300 kHz
STOP 26.00 GHz
SWP 1.80 sec

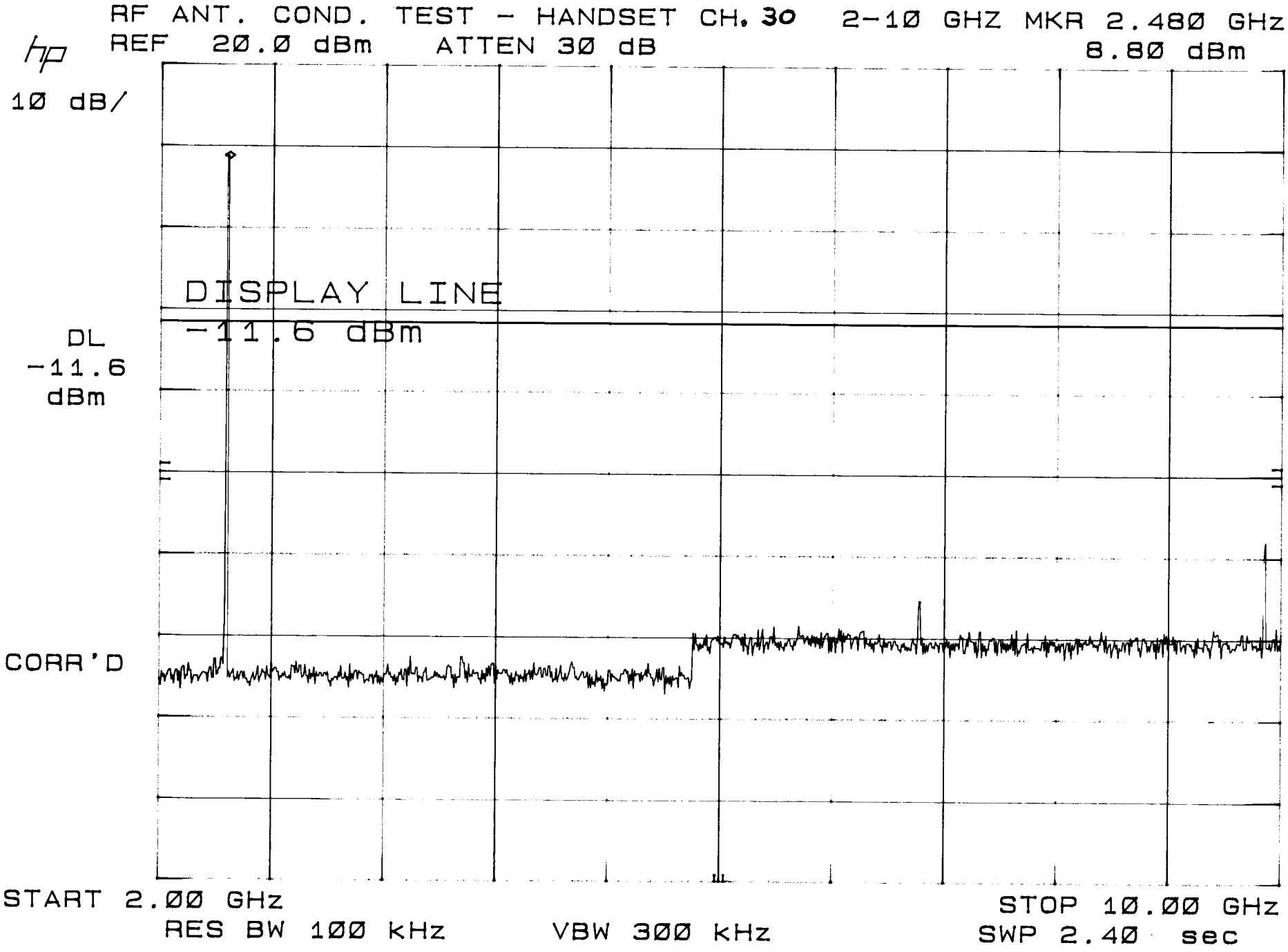
2-9-00

RF ANT. COND. TEST – HANDSET CH.30 2MHZ–2GHZ MKR 1.796 GHz

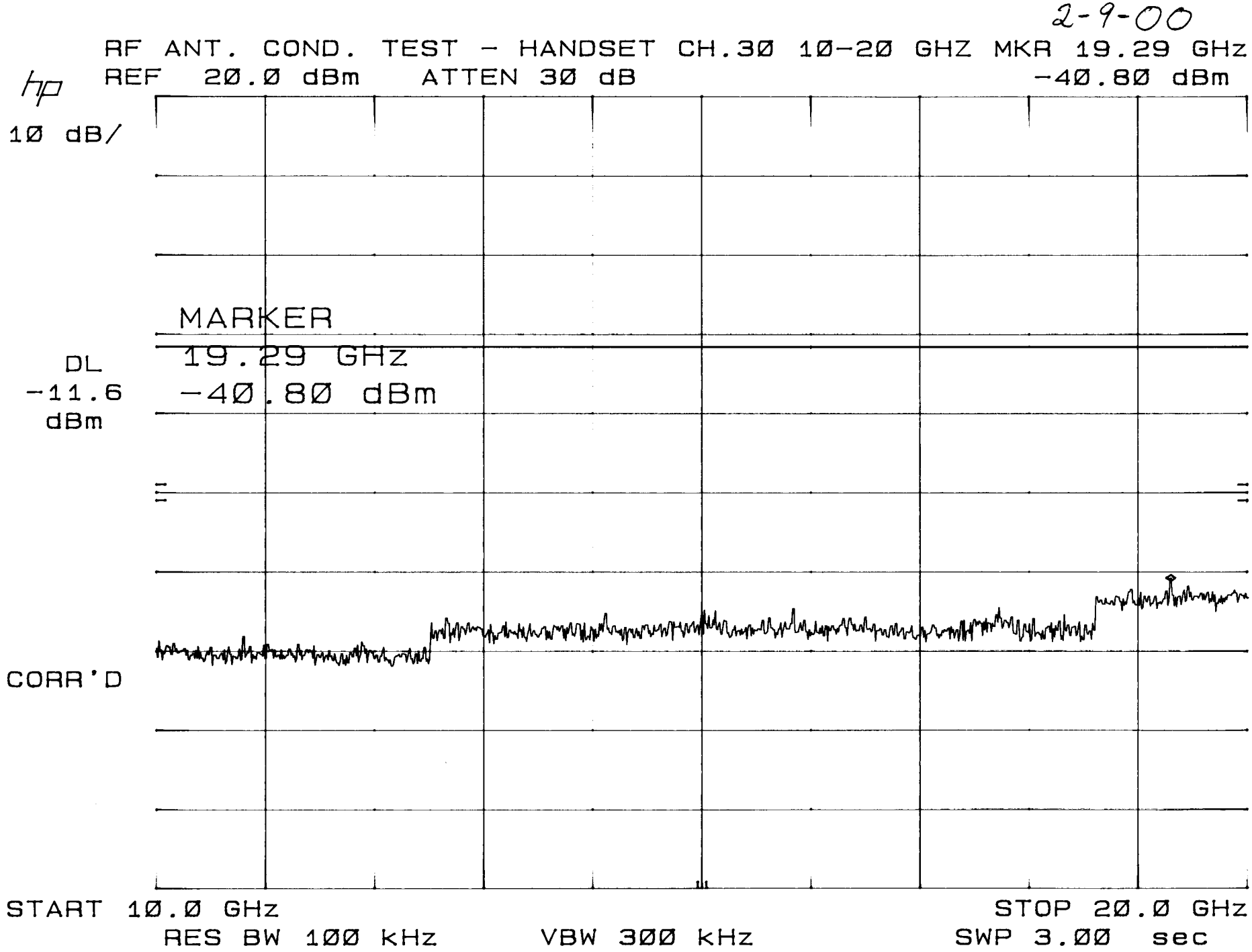
REF 20.0 dBm ATTEN 30 dB −52.60 dBm



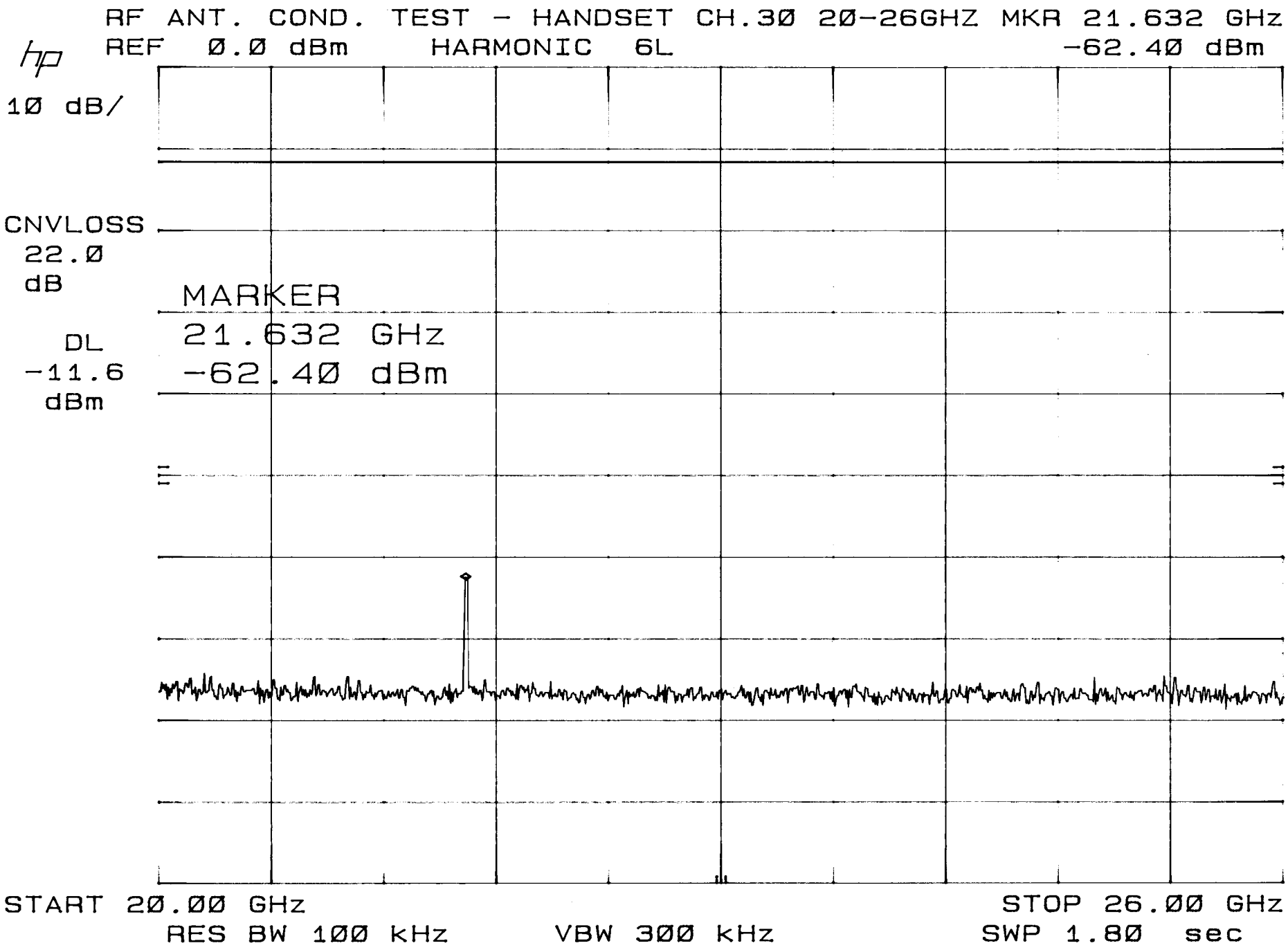
2-9-00


RF ANT. COND. TEST - HANDSET CH. 30
2-10 GHZ MKR 2.480 GHz
REF 20.0 dBm
ATTEN 30 dB
8.80 dBm
10 dB/
DISPLAY LINE
-11.6 dBm
DL
-11.6
dBm
CORR'D
START 2.00 GHz
STOP 10.00 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 2.40 sec

2-9-00


RF ANT. COND. TEST - HANDSET CH.30 10-20 GHZ MKR 19.29 GHz
REF 20.0 dBm ATTEN 30 dB -40.80 dBm
10 dB/
MARKER
19.29 GHz
-40.80 dBm
DL
-11.6
dBm
CORR'D
START 10.0 GHz
STOP 20.0 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 3.00 sec

2-9-00


RF ANT. COND. TEST - HANDSET CH.30 20-26GHZ MKR 21.632 GHz
REF 0.0 dBm
HARMONIC 6L
-62.40 dBm
hp
10 dB/
CNVLOSS
22.0
dB
DL
-11.6
dBm
MARKER
21.632 GHz
-62.40 dBm
START 20.00 GHz
STOP 26.00 GHz
RES BW 100 kHz
VBW 300 kHz
SWP 1.80 sec

RF BAND EDGES FOR THE HANDSET

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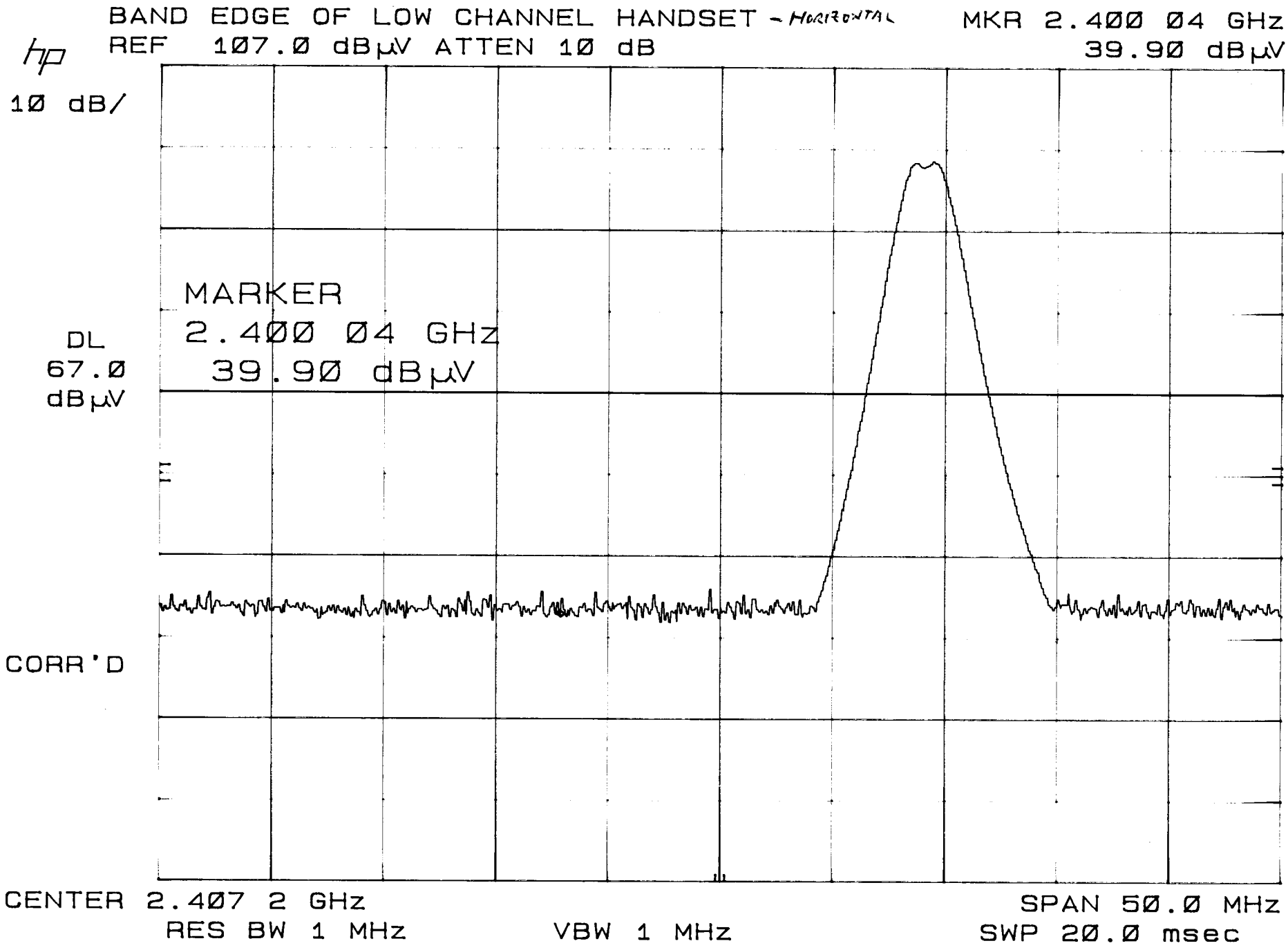
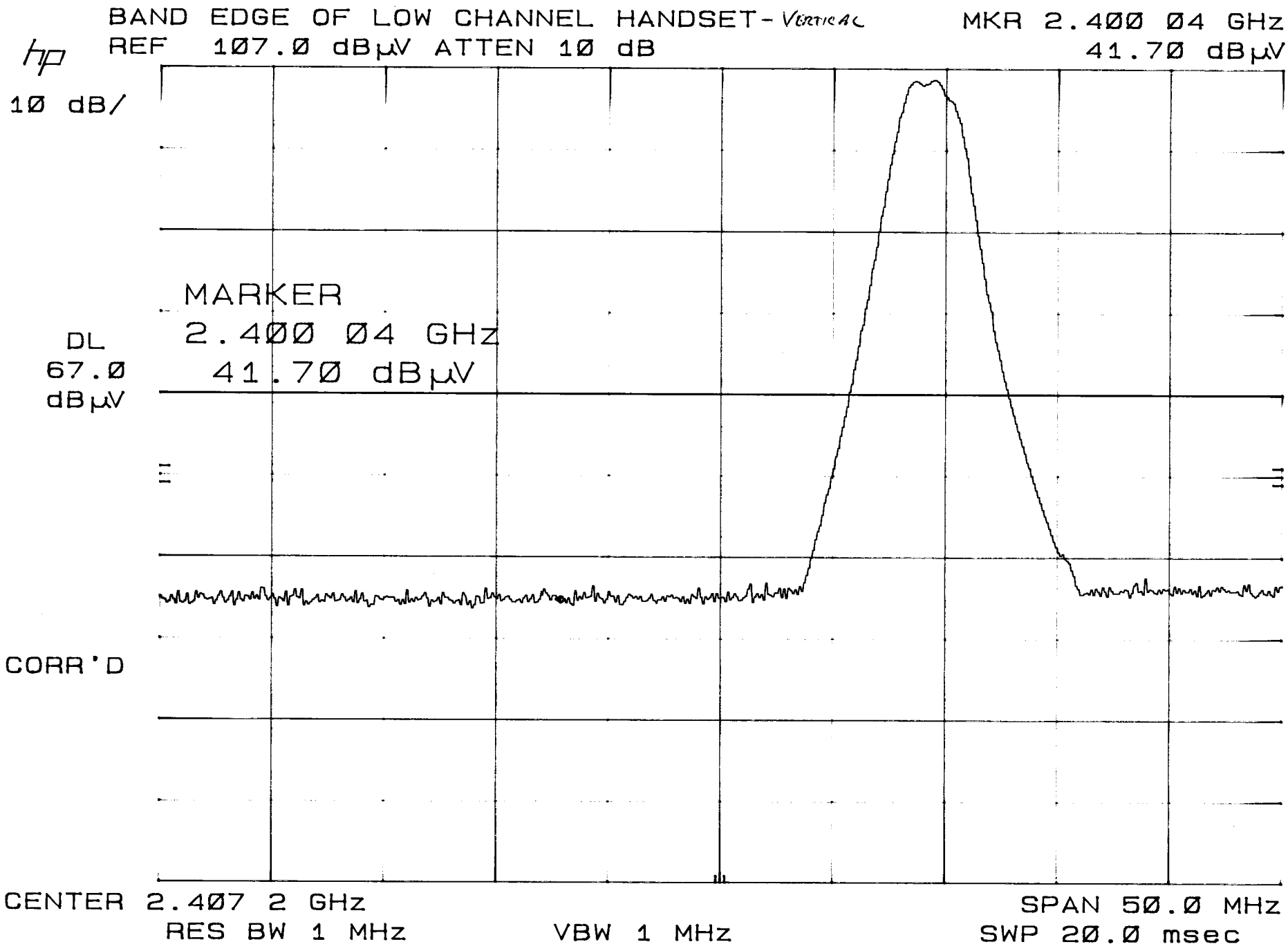
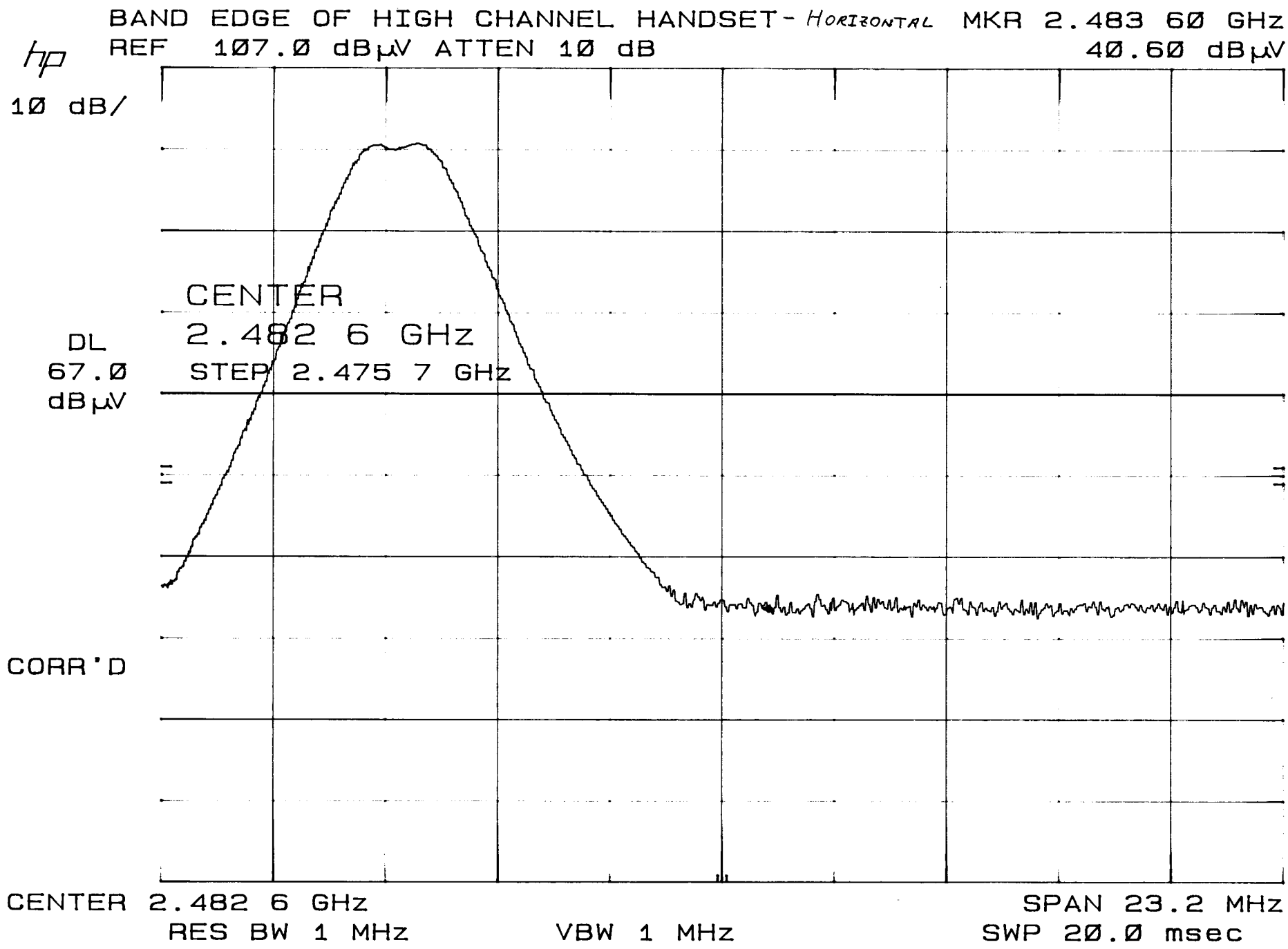
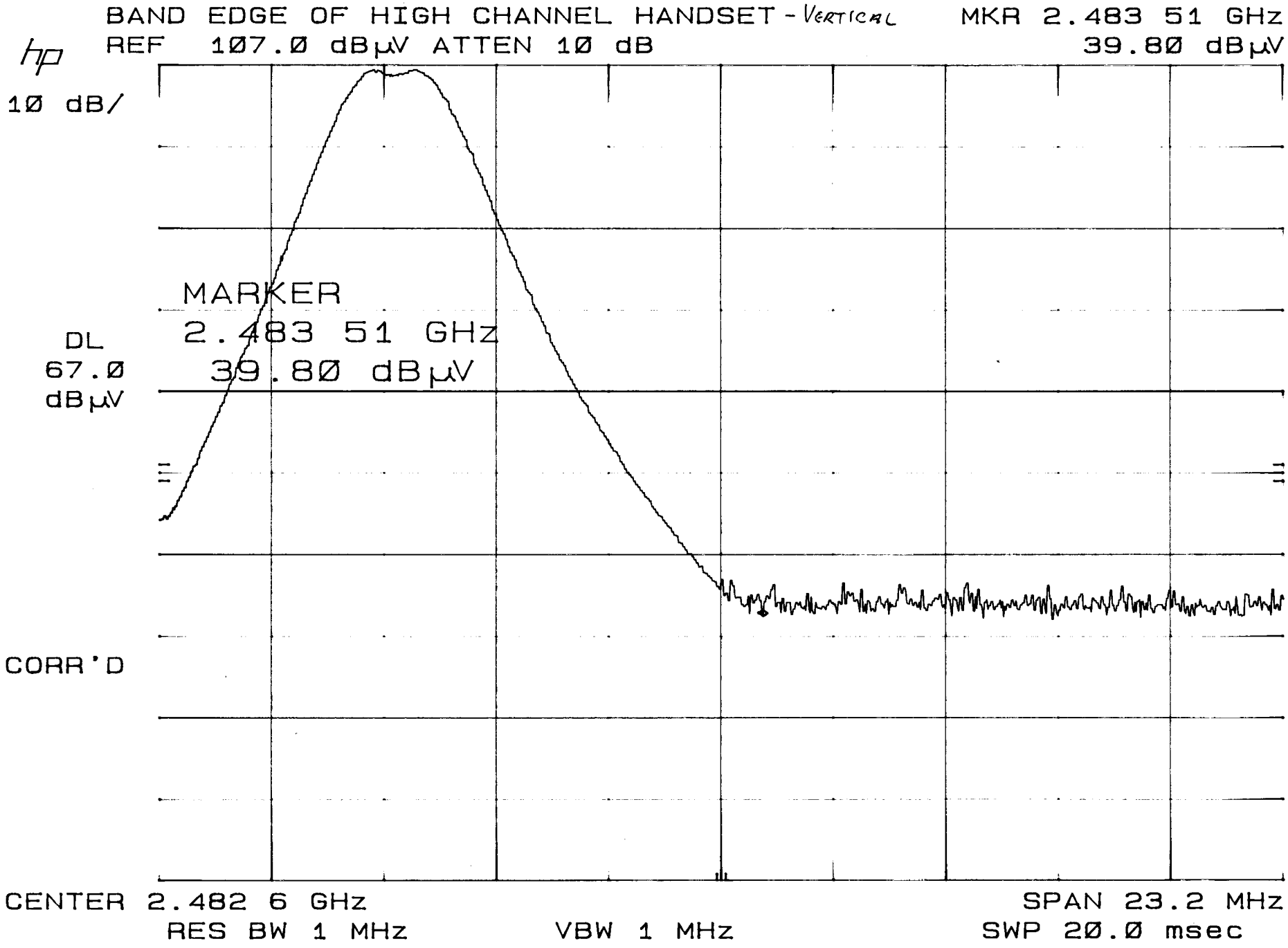

BAND EDGE OF LOW CHANNEL HANDSET - HORIZONTAL
MKR 2.400 04 GHz
REF 107.0 dBµV ATTEN 10 dB
39.90 dBµV
10 dB/
MARKER
2.400 04 GHz
39.90 dBµV
DL
67.0
dBµV
CORR'D
CENTER 2.407 2 GHz
SPAN 50.0 MHz
RES BW 1 MHz
VBW 1 MHz
SWP 20.0 msec


BAND EDGE OF LOW CHANNEL HANDSET - Vertical
MKR 2.400 04 GHz
REF 107.0 dBµV ATTEN 10 dB
41.70 dBµV
hp
10 dB/
MARKER
2.400 04 GHz
41.70 dBµV
DL
67.0
dBµV
CORR'D
CENTER 2.407 2 GHz
SPAN 50.0 MHz
RES BW 1 MHz
VBW 1 MHz
SWP 20.0 msec


BAND EDGE OF HIGH CHANNEL HANDSET- HORIZONTAL
MKR 2.483 60 GHz
REF 107.0 dBµV
ATTEN 10 dB
40.60 dBµV
10 dB/
CENTER
2.482 6 GHz
DL
67.0
dBµV
STEP 2.475 7 GHz
CORR'D
CENTER 2.482 6 GHz
SPAN 23.2 MHz
RES BW 1 MHz
VBW 1 MHz
SWP 20.0 msec


BAND EDGE OF HIGH CHANNEL HANDSET - VERTICAL
MKR 2.483 51 GHz
REF 107.0 dBµV ATTEN 10 dB
39.80 dBµV
10 dB/
MARKER
2.483 51 GHz
39.80 dBµV
DL
67.0
dBµV
CORR'D
CENTER 2.482 6 GHz
SPAN 23.2 MHz
RES BW 1 MHz
VBW 1 MHz
SWP 20.0 msec

RP-1

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	SANYO	DATE	2/14/00
EUT	2.4 GHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET	DUTY CYCLE	50.00 %
MODEL	[redacted] CLT-2420	PEAK TO AVG	-6.02 dB
S/N	N/A	TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO	LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2400.0000	39.9	33.9 A	H	1.0	180	X	LOW	28.2	4.5	31.8	34.8	-19.2	54.0	Band Edge Low Channel
2400.0000	41.7	35.7 A	V	1.0	180	X	LOW	28.2	4.5	31.8	36.6	-17.4	54.0	Band Edge Low Channel
2483.5000	40.6	34.6 A	H	1.0	180	X	MID	28.2	4.5	31.8	35.5	-18.5	54.0	Band Edge High Channel
2483.5000	39.8	33.8 A	V	1.0	90	X	MID	28.2	4.5	31.8	34.7	-19.3	54.0	Band Edge High Channel

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

COMPATIBLE ELECTRONICS