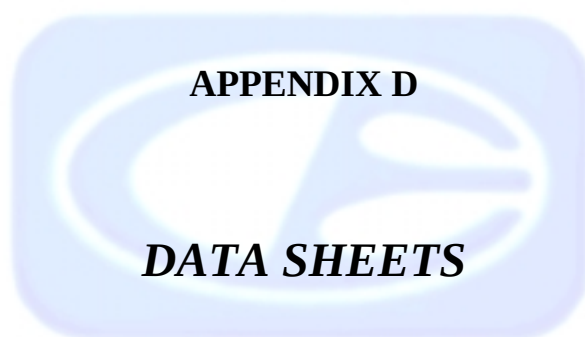




***RADIATED EMISSIONS FOR THE TRANSMITTER
DATA SHEETS***



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	Xircom, Inc.	DATE	6/19/2001
EUT	REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER	DUTY CYCLE	N/A
MODEL	R2BT	PEAK TO AVG	N/A
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
2402.0000	60.5	A	H	1.0	180	X	LOW	30.5	3.6	0.0	94.6			
2402.0000	61.4	A	V	1.0	180	X	LOW	30.5	3.6	0.0	95.5			
2442.0000	56.7	A	H	1.5	180	X	MID	30.6	3.5	0.0	90.8			
2442.0000	57.2	A	V	1.0	90	X	MID	30.6	3.5	0.0	91.3			
2480.0000	49.1	A	H	1.5	180	X	HIGH	30.7	3.5	0.0	83.3			
2480.0000	53.1	A	V	1.0	180	X	HIGH	30.7	3.5	0.0	87.3			

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

** DELTA = SPEC LIMIT - CORRECTED READING

PAGE 1

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	Xircom, Inc.	DATE	6/19/2001
EUT	REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER	DUTY CYCLE	N/A
MODEL	R2BT	PEAK TO AVG	N/A
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
4804.0000	49.5	38.7 A	H	1.0	90	X	LOW	34.2	5.4	32.0	46.2	-7.8	54.0	
4804.0000	53.9	41.6 A	V	1.0	90	X	LOW	34.2	5.4	32.0	49.2	-4.8	54.0	
4884.0000	47.1	36.1 A	H	1.5	90	X	MID	34.4	5.6	32.1	44.0	-10.0	54.0	
4884.0000	48.7	37.9 A	V	1.5	90	X	MID	34.4	5.6	32.1	45.7	-8.3	54.0	
4960.0000	47.4	36.2 A	H	1.5	90	X	HIGH	34.7	5.7	32.2	44.3	-9.7	54.0	
4960.0000	50.4	38.9 A	V	1.5	90	X	HIGH	34.7	5.7	32.2	47.0	-7.0	54.0	

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

** DELTA = SPEC LIMIT - CORRECTED READING

PAGE 2

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	Xircom, Inc.	DATE	6/19/2001
EUT	REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER	DUTY CYCLE	N/A
MODEL	R2BT	PEAK TO AVG	N/A
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
7206.0000	44.1	31.7 A	H	1.5	180	X	LOW	38.7	8.1	32.5	46.0	-8.0	54.0	
7206.0000	44.7	33.2 A	V	2.0	0	X	LOW	38.7	8.1	32.5	47.5	-6.5	54.0	
7326.0000	49.1	36.1 A	H	1.5	90	X	MID	38.6	8.1	32.7	50.1	-3.9	54.0	
7326.0000	49.9	37.3 A	V	1.5	90	X	MID	38.6	8.1	32.7	51.3	-2.7	54.0	
7440.0000	45.7	33.2 A	H	1.5	90	X	HIGH	38.6	7.9	32.9	46.8	-7.2	54.0	
7440.0000	47.1	34.8 A	V	1.5	0	X	HIGH	38.6	7.9	32.9	48.4	-5.6	54.0	

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

** DELTA = SPEC LIMIT - CORRECTED READING

PAGE 3

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	Xircom, Inc.	DATE	6/19/2001
EUT	REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER	DUTY CYCLE	N/A
MODEL	R2BT	PEAK TO AVG	N/A
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
9608.0000	43.4	A	H	2.5	90	X	LOW	39.6	9.2	30.9	61.3	-14.2	75.5	
														Note:
														No Harmonics nor
9608.0000	44.7	A	V	1.5	90	X	LOW	39.6	9.2	30.9	62.6	-12.9	75.5	Emissions found after the
														4th Harmonic
9768.0000	43.3	A	H	1.5	90	X	MID	39.7	9.4	31.2	61.1	-10.2	71.3	
9768.0000	44.8	31.8 A	V	1.5	90	X	MID	39.7	9.4	31.2	49.6	-21.7	71.3	
9920.0000	43.7	30.2 A	H	1.5	90	X	HIGH	39.7	9.8	31.5	48.3	-19.0	67.3	
9920.0000	44.2	33.3 A	V	1.5	90	X	HIGH	39.7	9.8	31.5	51.4	-15.9	67.3	

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

PAGE 4

SPECTRAL PLOT OF 2ND HARMONIC

MKR 4.803 70 GHz
53.90 dB μ V

hp REF 97.0 dB μ V ATTN 0 dB

10 dB/

DL
57.0
dB μ V

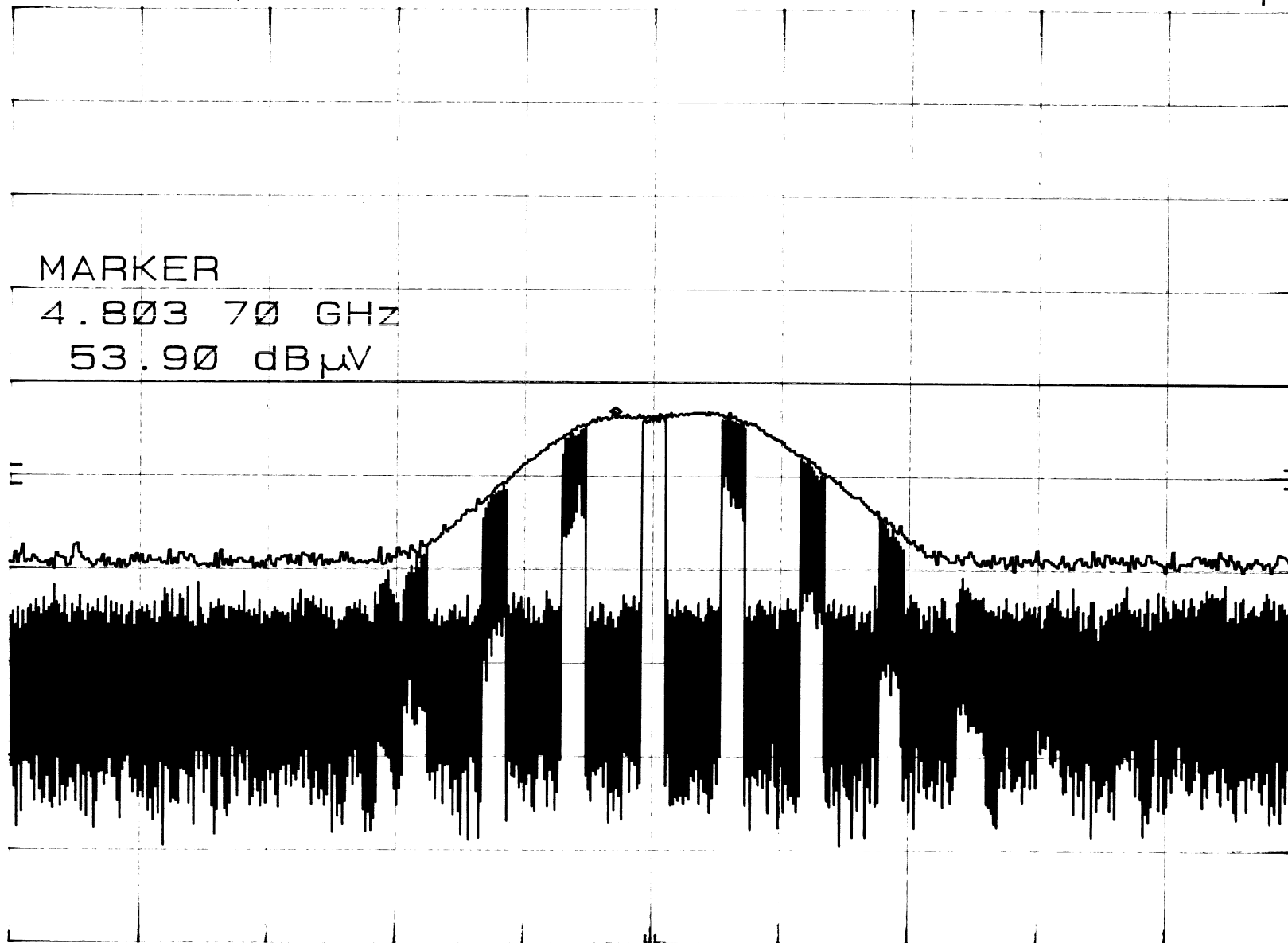
MARKER
4.803 70 GHz
53.90 dB μ V

CORR'D

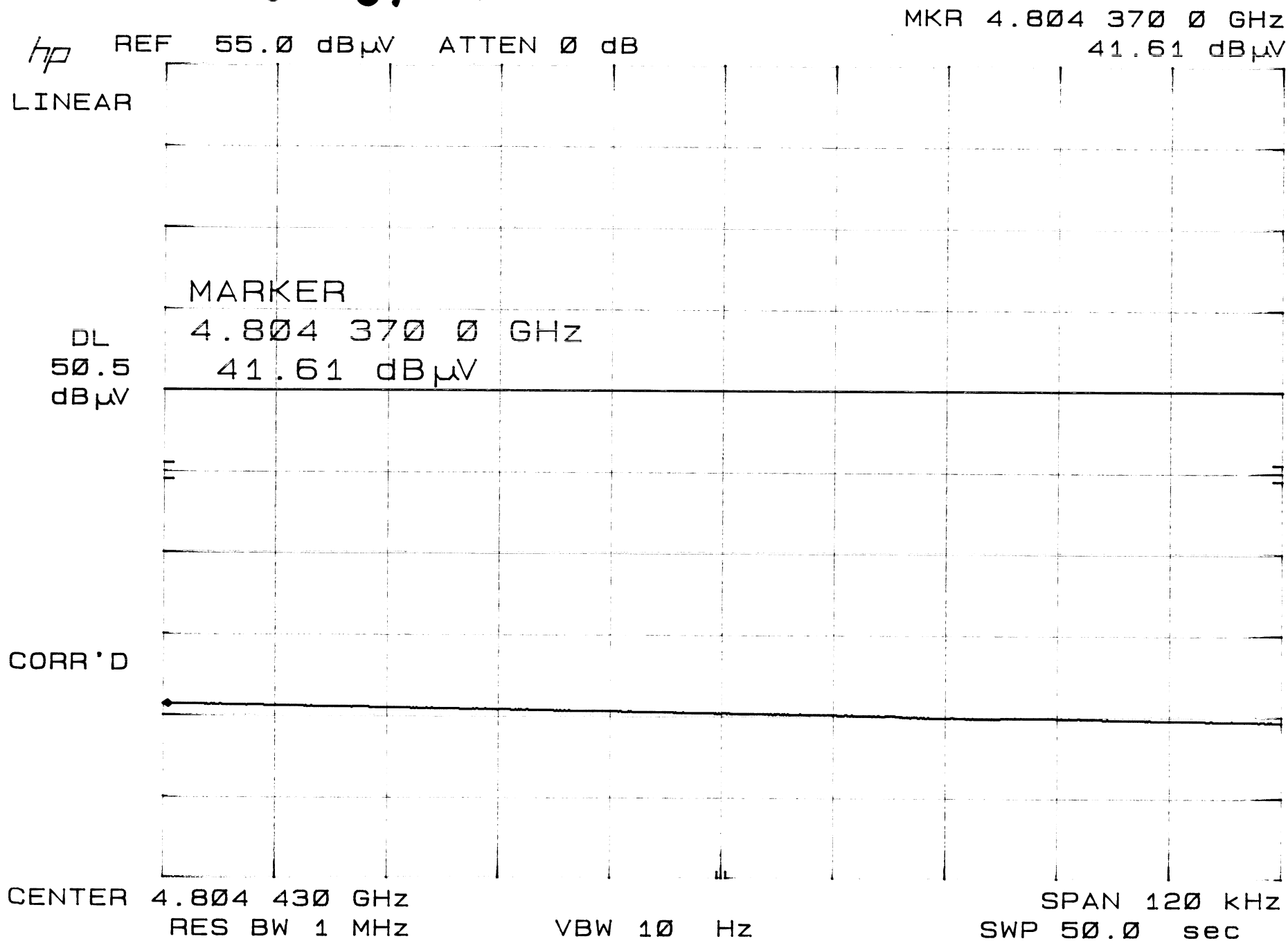
CENTER 4.804 0 GHz
RES BW 1 MHz

VBW 1 MHz

SPAN 10.0 MHz
SWP 20.0 msec



AVERAGE OF 2ND HARMONIC



SPECTRAL PLOT OF 3RD HARMONIC

MKR 7.440 48 GHz

53.30 dB μ V

hp REF 97.0 dB μ V ATTN 0 dB

10 dB/

DL
57.0
dB μ V

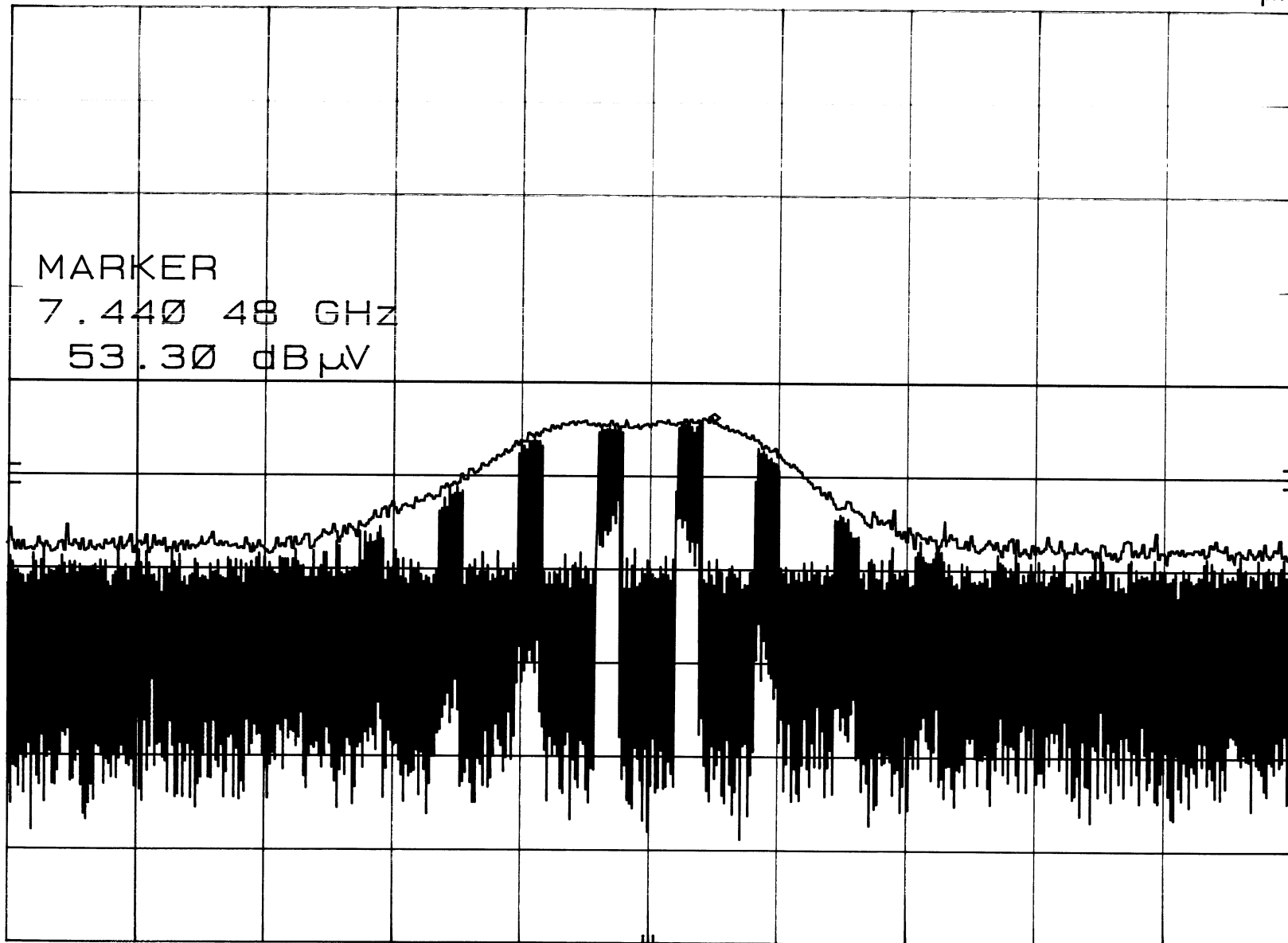
MARKER
7.440 48 GHz
53.30 dB μ V

CORR'D

CENTER 7.440 0 GHz
RES BW 1 MHz

VBW 1 MHz

SPAN 10.0 MHz
SWP 20.0 msec



AVERAGE OF 3RD HARMONIC

MKR 7.440 420 8 GHz

36.66 dB μ V

hp

REF 38.0 dB μ V ATTN 0 dB

LINEAR

MARKER

7.440 420 8 GHz

36.66 dB μ V

DL

33.5
dB μ V

CORR'D

CENTER 7.440 469 GHz

RES BW 1 MHz

VBW 10 Hz

SPAN 100 KHz

SWP 50.0 sec

Test location: Compatible Electronics

Customer : XIRCOM, INC.

Date : 6/13/2001

Manufacturer : XIRCOM, INC.

Time : 9.42

EUT name : REALPORT2 BLUETOOTH ADAPTER

Model: R2BT

Specification: Cspr_B Test distance: 10.0 mtrs Lab: D

Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00

Test Mode : REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER

VERTICAL POLARIZATION 30 MHz TO 1000 MHz

SPURIOUS EMISSIONS

TEMPERATURE 68 DEGREES F., RELATIVE HUMIDITY 70%

TESTED BY: KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1V	85.37	46.40	1.81	8.12	38.55	17.78	30.00	-12.22
2V	109.41	50.80	2.08	9.44	38.89	23.43	30.00	-6.57
3V	114.64	50.70	2.12	9.88	38.99	23.71	30.00	-6.29
4V	120.09	47.20	2.16	10.35	39.10	20.61	30.00	-9.39
5V	145.29	49.90	2.44	12.83	38.88	26.29	30.00	-3.71
6V	150.09	50.00	2.50	12.96	38.80	26.66	30.00	-3.34
7V	247.95	46.70	3.58	16.35	38.80	27.83	37.00	-9.17
8V	344.12	48.40	4.06	14.70	38.90	28.26	37.00	-8.74
9V	368.76	45.90	4.18	15.68	38.79	26.97	37.00	-10.03
10V	405.62	44.20	4.31	16.90	38.59	26.82	37.00	-10.18
11V	442.45	42.60	4.38	16.83	38.52	25.29	37.00	-11.71
12V	449.87	45.00	4.40	16.82	38.50	27.72	37.00	-9.28
13V	456.12	43.80	4.44	16.81	38.52	26.53	37.00	-10.47
14V	493.91	47.60	4.66	16.74	38.68	30.32	37.00	-6.68
15V	547.86	40.80	4.99	16.53	38.41	23.91	37.00	-13.09
16V	679.80	39.00	5.78	18.65	38.56	24.87	37.00	-12.13

Test location: Compatible Electronics
 Customer : XIRCOM, INC. Date : 6/13/2001
 Manufacturer : XIRCOM, INC. Time : 10.01
 EUT name : REALPORT2 BLUETOOTH ADAPTER Model: R2BT
 Specification: CispB Test distance: 10.0 mtrs Lab: D
 Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00
 Test Mode : REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER
 HORIZONTAL POLARIZATION 30 MHz TO 1000 MHz
 SPURIOUS EMISSIONS
 TEMPERATURE 68 DEGREES F., RELATIVE HUMIDITY 70%
 TESTED BY: KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1H	125.95	37.50	2.21	11.68	39.18	12.21	30.00	-17.79
2H	137.57	47.60	2.35	12.52	39.00	23.47	30.00	-6.53
3H	160.77	42.20	2.76	13.64	38.80	19.80	30.00	-10.20
5H	307.33	48.00	3.84	13.25	38.90	26.19	37.00	-10.81
6H	344.19	47.60	4.07	14.71	38.90	27.48	37.00	-9.52
7H	383.89	42.50	4.24	16.27	38.70	24.31	37.00	-12.69
8H	456.71	51.20	4.44	16.81	38.53	33.92	37.00	-3.08
9H	534.89	43.50	4.91	16.59	38.49	26.51	37.00	-10.49

Test location: Compatible Electronics
Customer : XIRCOM, INC. Date : 6/13/2001
Manufacturer : XIRCOM, INC. Time : 10.01
EUT name : REALPORT2 BLUETOOTH ADAPTER Model: R2BT
Specification: Cispr_B Test distance: 10.0 mtrs Lab: D
Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00
Test Mode : REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER
VERTICAL AND HORIZONTAL POLARIZATION 10 kHz TO 30 MHz
SPURIOUS EMISSIONS
TEMPERATURE 68 DEGREES F., RELATIVE HUMIDITY 70%
TESTED BY: KYLE FUJIMOTO

NO EMISSIONS WERE FOUND FROM THE EUT FROM 10 kHz TO 30 MHz
IN EITHER POLARIZATION

***20 dB BANDWIDTH
DATA SHEETS***



6-19-01

-20 dB BANDWIDTH OF LOW CHANNEL

MKR Δ 800 kHz

hp

REF 0.0 dBm

ATTEN 10 dB

0.00 dB

10 dB/

DL
-40.0
dBm

MARKER Δ
800 kHz
-40.0 dB

CORR'D

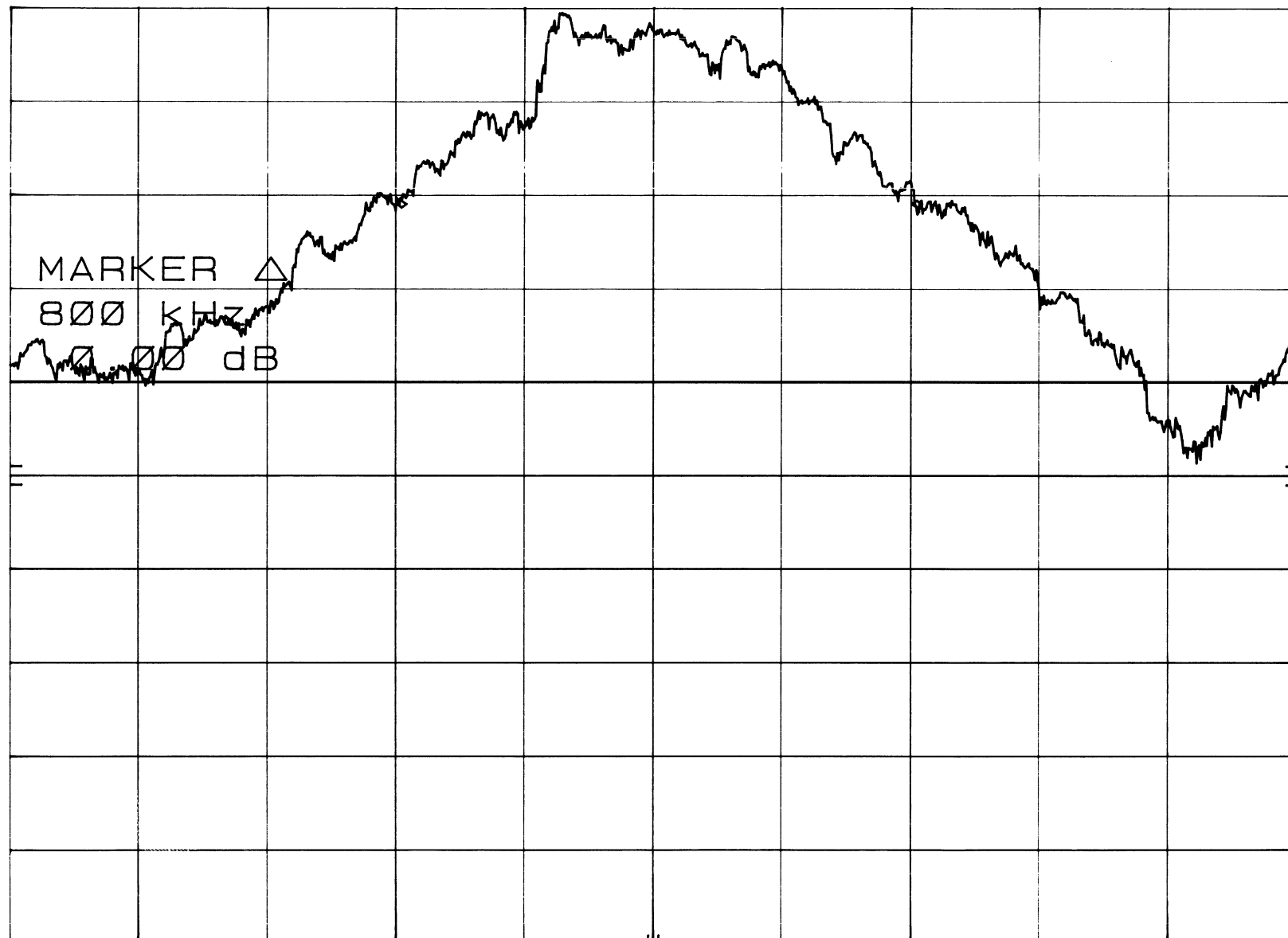
CENTER 2.402 00 GHz

RES BW 30 kHz

VBW 30 kHz

SPAN 2.00 MHz

SWP 20.0 msec



6-19-01

MIDDLE

-20 dB BANDWIDTH OF CHANNEL

MKR Δ 808 KHz

hp

REF 0.0 dBm

ATTEN 10 dB

-1.40 dB

10 dB/

DL
-40.0
dBm

MARKER Δ
808 KHz
-1.40 dB

CORR'D

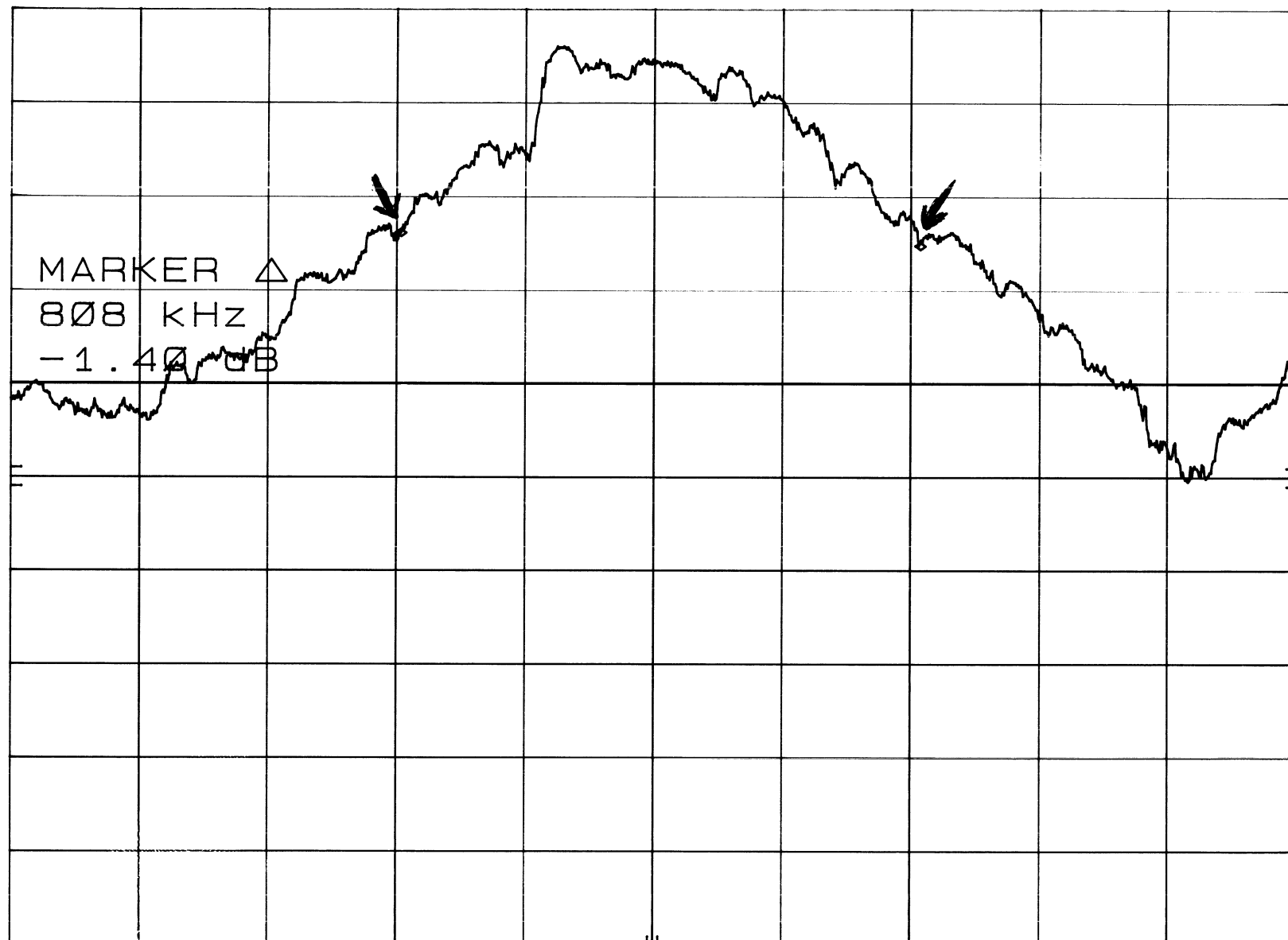
CENTER 2.442 00 GHz

RES BW 30 KHz

VBW 30 KHz

SPAN 2.00 MHz

SWP 20.0 msec



6-19-01

-20 dB BANDWIDTH OF HIGH CHANNEL

MKR Δ 864 kHz

hp

REF 0.0 dBm

ATTEN 10 dB

-0.10 dB

10 dB/

DL
-40.0
dBm

MARKER Δ
864 kHz
-0.10 dB

CORR'D

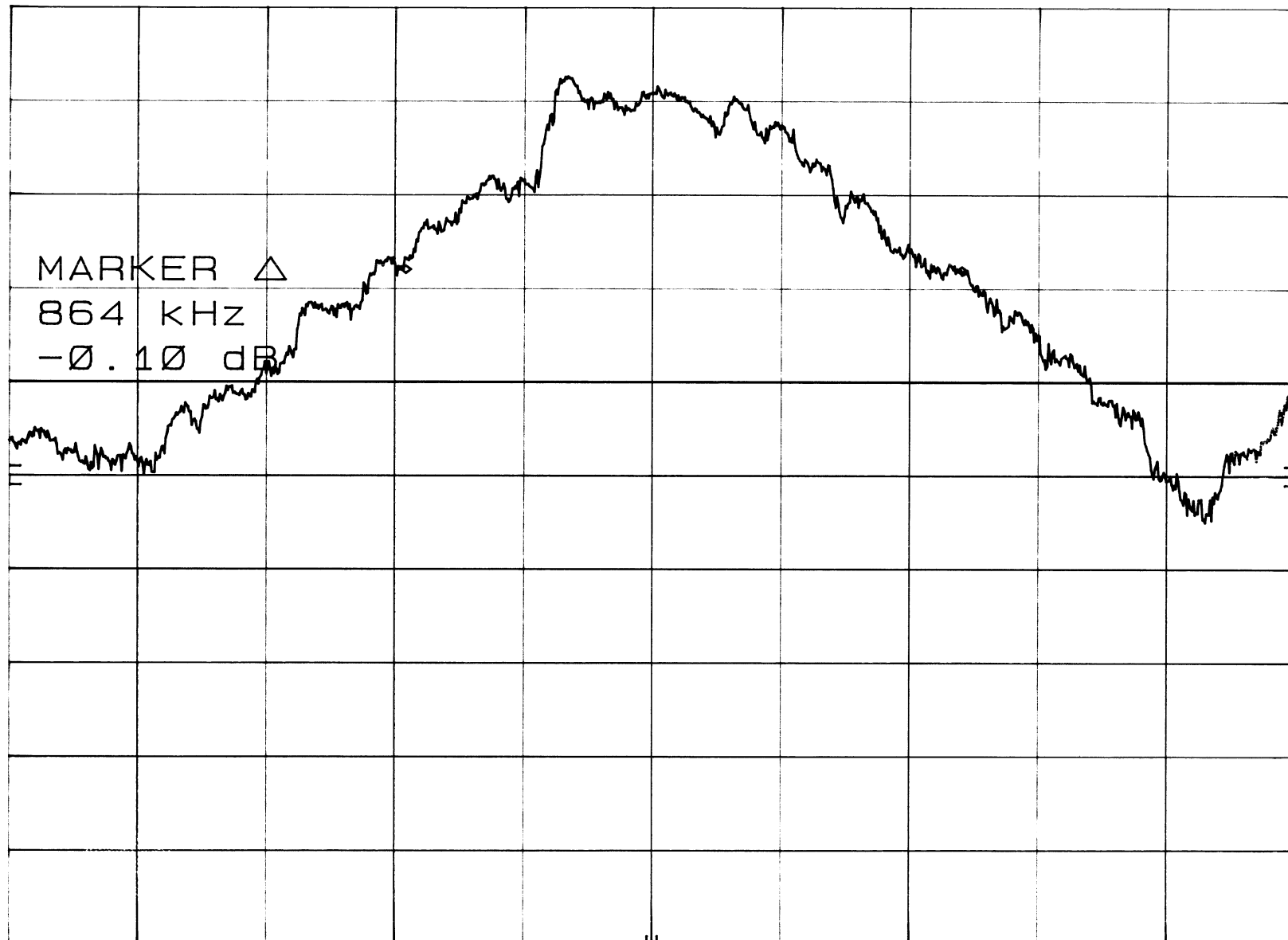
CENTER 2.480 00 GHz

RES BW 30 kHz

VBW 30 kHz

SPAN 2.00 MHz

SWP 20.0 msec



***PEAK OUTPUT POWER
DATA SHEETS***



PEAK OUTPUT POWER

XIRCOM, INC.

REALPORT2 BLUETOOTH
16 BIT TYPE III PC CARD ADAPTER

MODEL: R2BT

CHANNEL	PEAK POWER OUTPUT (dBm)
LOW	4.00
MID	1.47
HIGH	-1.45

***RF ANTENNA CONDUCTED
DATA SHEETS***



6-19-01

RF ANT. COND. TEST OF LOW CHANNEL 2MHZ-2GHZ MKR 1.203 GHz
REF 10.0 dBm ATTEN 30 dB -49.10 dBm

hp

10 dB/

DL
-19.1
dBm

MARKER

1.203 GHz
-49.10 dBm

CORR'D

START 2 MHz

RES BW 100 kHz

VBW 300 kHz

STOP 2.00 GHz
SWP 599 msec

6-19-01

RF ANT. COND. TEST - LOW CHANNEL 2-10GHz

MKR 2.392 GHz

hp

REF 10.0 dBm

ATTEN 20 dB

0.90 dBm

10 dB/

MARKER

2.392 GHz

0.90 dBm

DL
-19.1
dBm

CORR'D

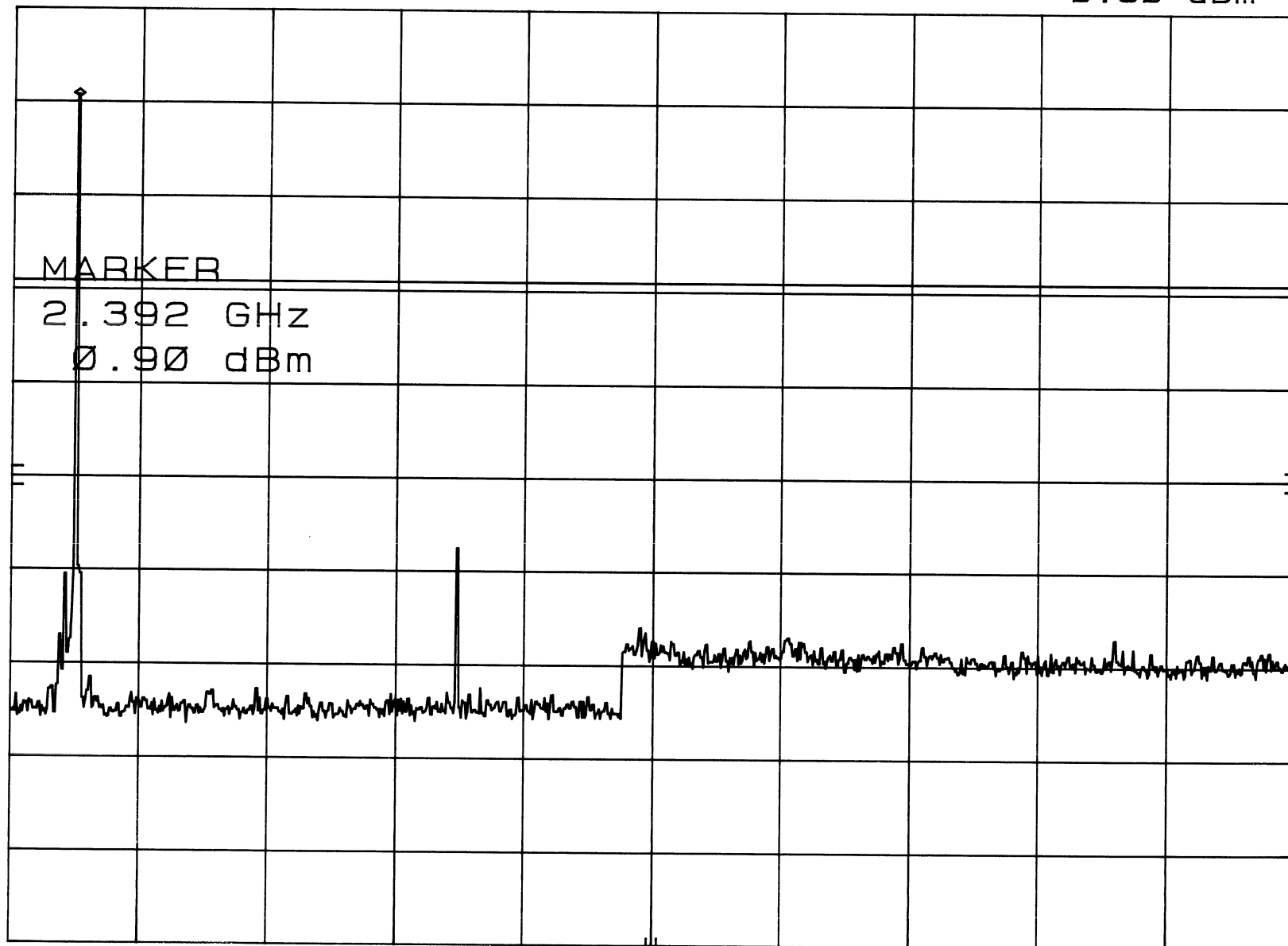
START 2.00 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 10.00 GHz

SWP 2.40 sec



6-19-01

RF ANT. COND. TEST OF LOW CHANNEL - 10-20GHz MKR 19.60 GHz
REF 10.0 dBm ATTN 30 dB -39.10 dBm

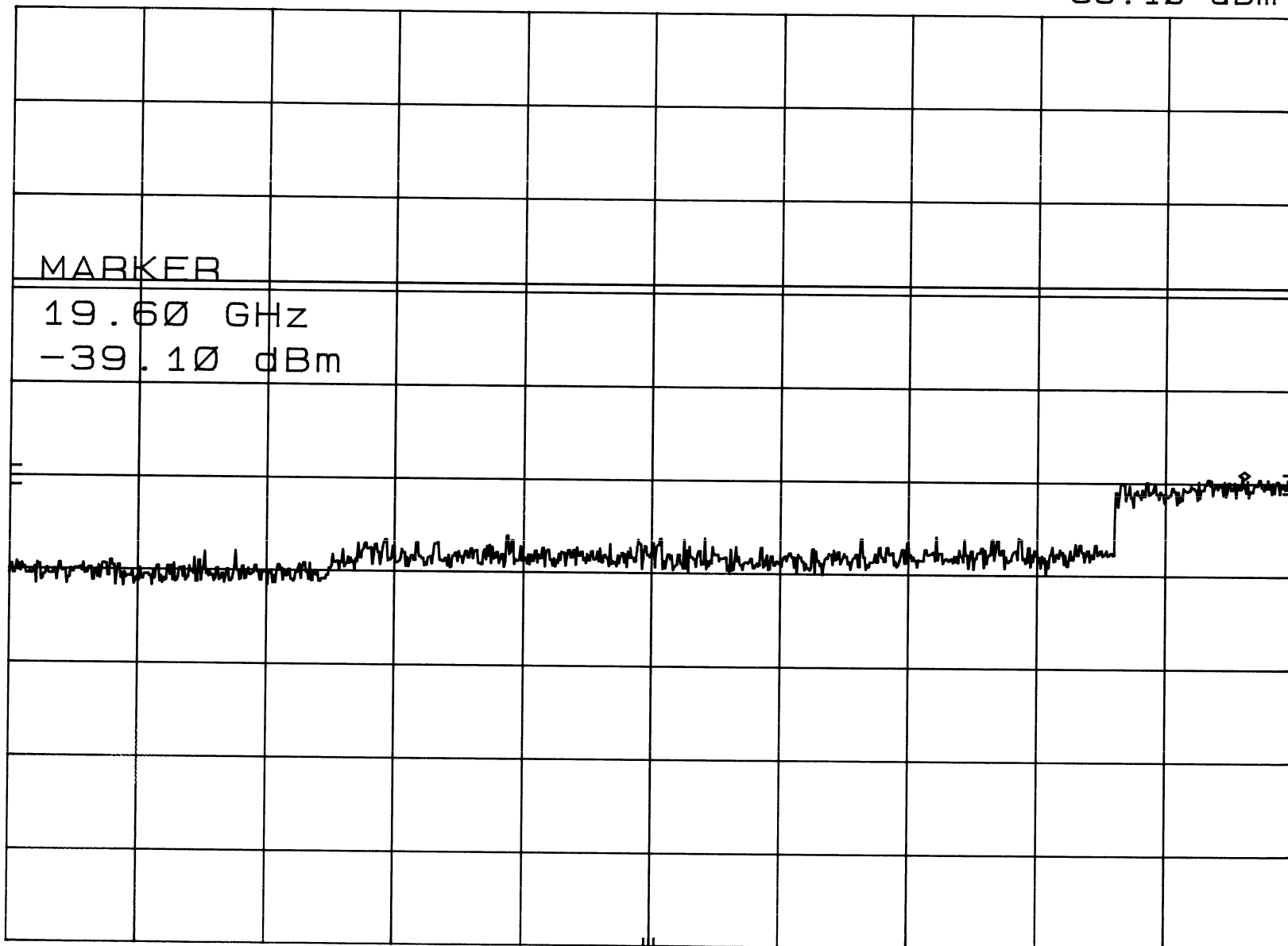
hp

10 dB/

MARKER

DL
-19.1
dBm

19.60 GHz
-39.10 dBm



START 10.0 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 20.0 GHz

SWP 3.00 sec

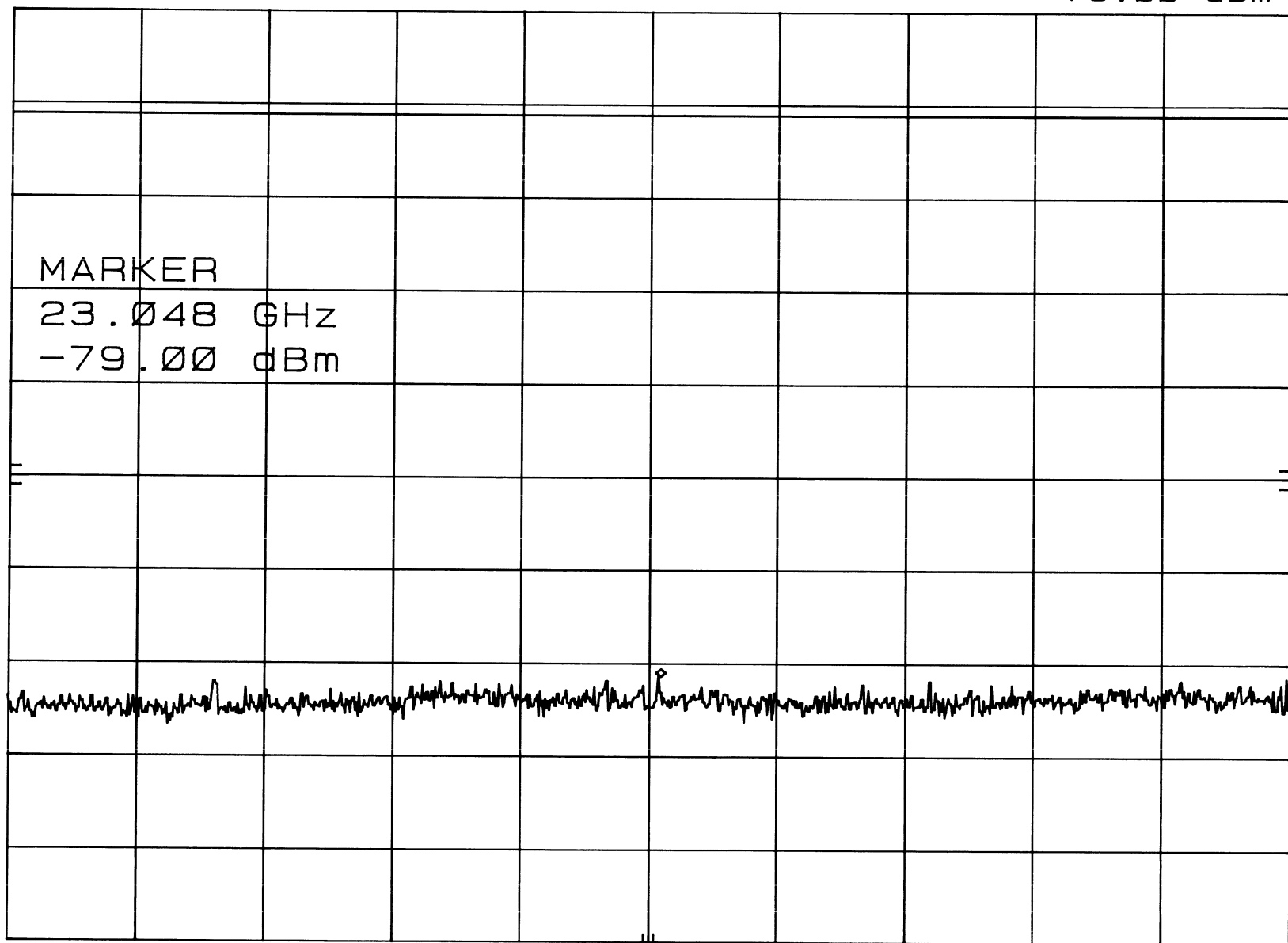
6-19-01

RF ANT. COND. TEST OF LOW CHANNEL 20-26GHz MKR 23.048 GHz
REF -8.0 dBm HARMONIC 8L -79.00 dBm

hp
10 dB/

CNVLOSS
22.0
dB

DL
-19.1
dBm



START 20.00 GHz STOP 26.00 GHz
RES BW 100 kHz VBW 300 kHz SWP 1.80 sec

6-19-01

RF ANT. COND. TEST MID CHANNEL 2MHZ-2GHZ
REF 0.0 dBm ATTEN 30 dB

MKR 1.223 GHz
-50.40 dBm

hp
10 dB/

DL
-24.1
dBm

MARKER

1.223 GHz
-50.40 dBm

CORR'D

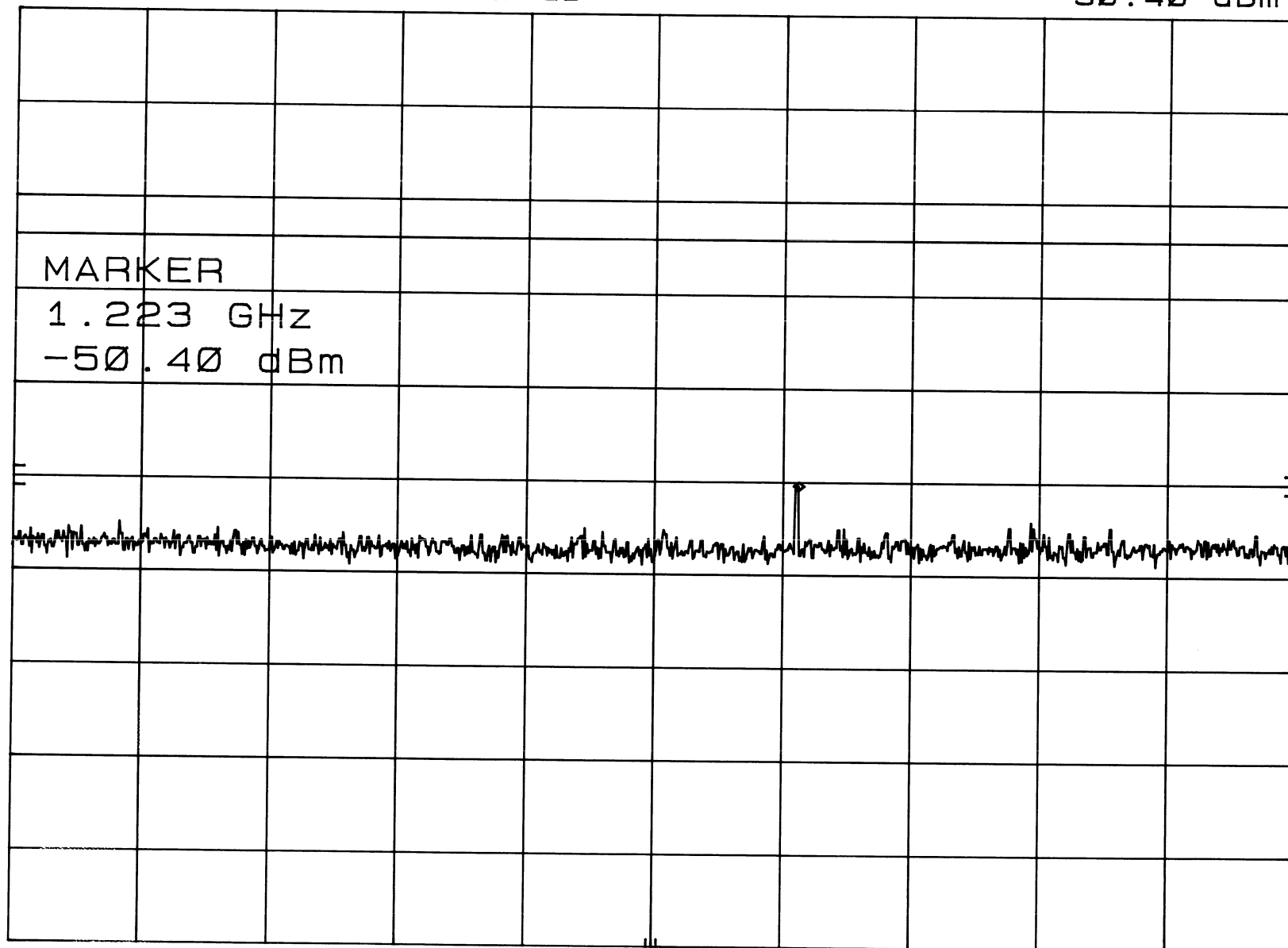
START 2 MHz

RES BW 100 kHz

VRW 300 kHz

STOP 2.00 GHz

SWP 599 msec



6-19-01

RF ANT. COND. TEST OF MID CHANNEL 2-10GHZ

MKR 2.432 GHz

hp

REF 0.0 dBm

ATTEN 20 dB

-4.10 dBm

10 dB/

DISPLAY LINE

-24.1 dBm

DL
-24.1
dBm

CORR'D

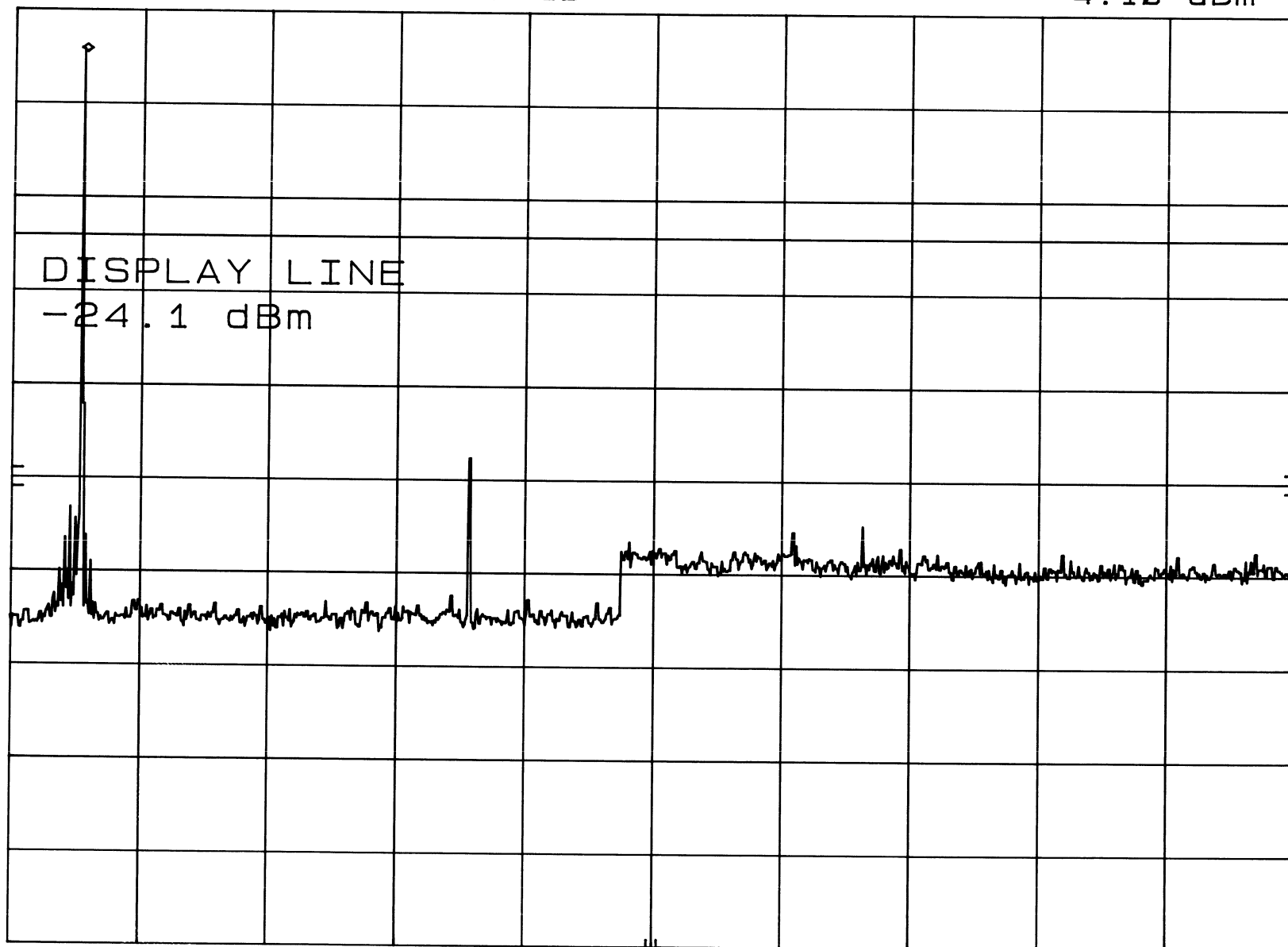
START 2.00 GHz

RES BW 100 kHz

VRW 300 kHz

STOP 10.00 GHz

SWP 2.40 sec



6-19-01

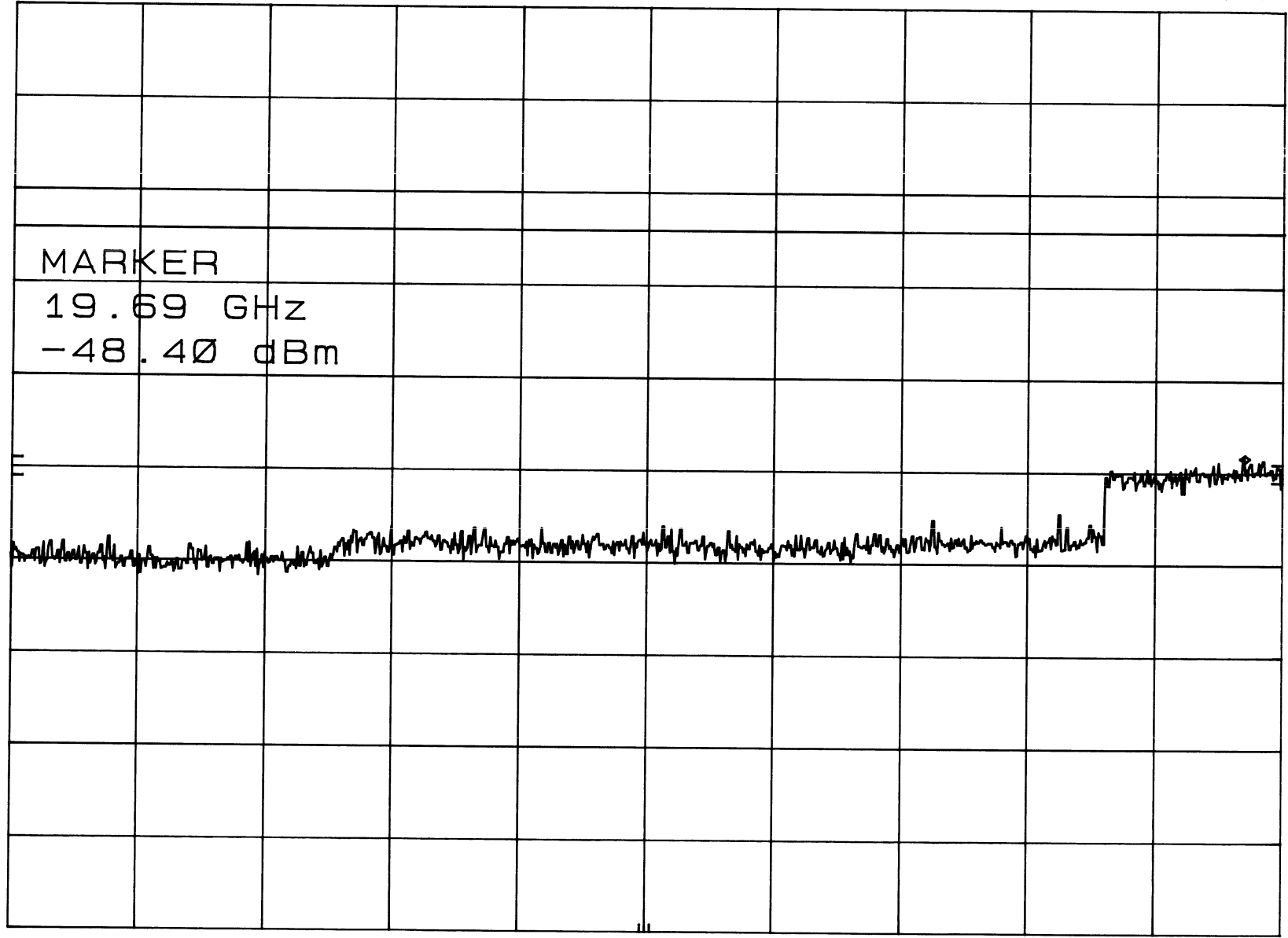
RF ANT. COND. OF MID CHANNEL 10-20GHz
REF 0.0 dBm ATTEN 20 dB

MKR 19.69 GHz
-48.40 dBm

hp
10 dB/

DL
-24.1
dBm

MARKER
19.69 GHz
-48.40 dBm



CORR'D

START 10.0 GHz STOP 20.0 GHz
RES BW 100 kHz VRW 300 kHz SWP 3.00 sec

6-19-01

RF ANT. COND. TEST MID CHANNEL - 20-26GHz
REF 0.0 dBm HARMONIC 8L

MKR 24.962 GHz
-73.90 dBm

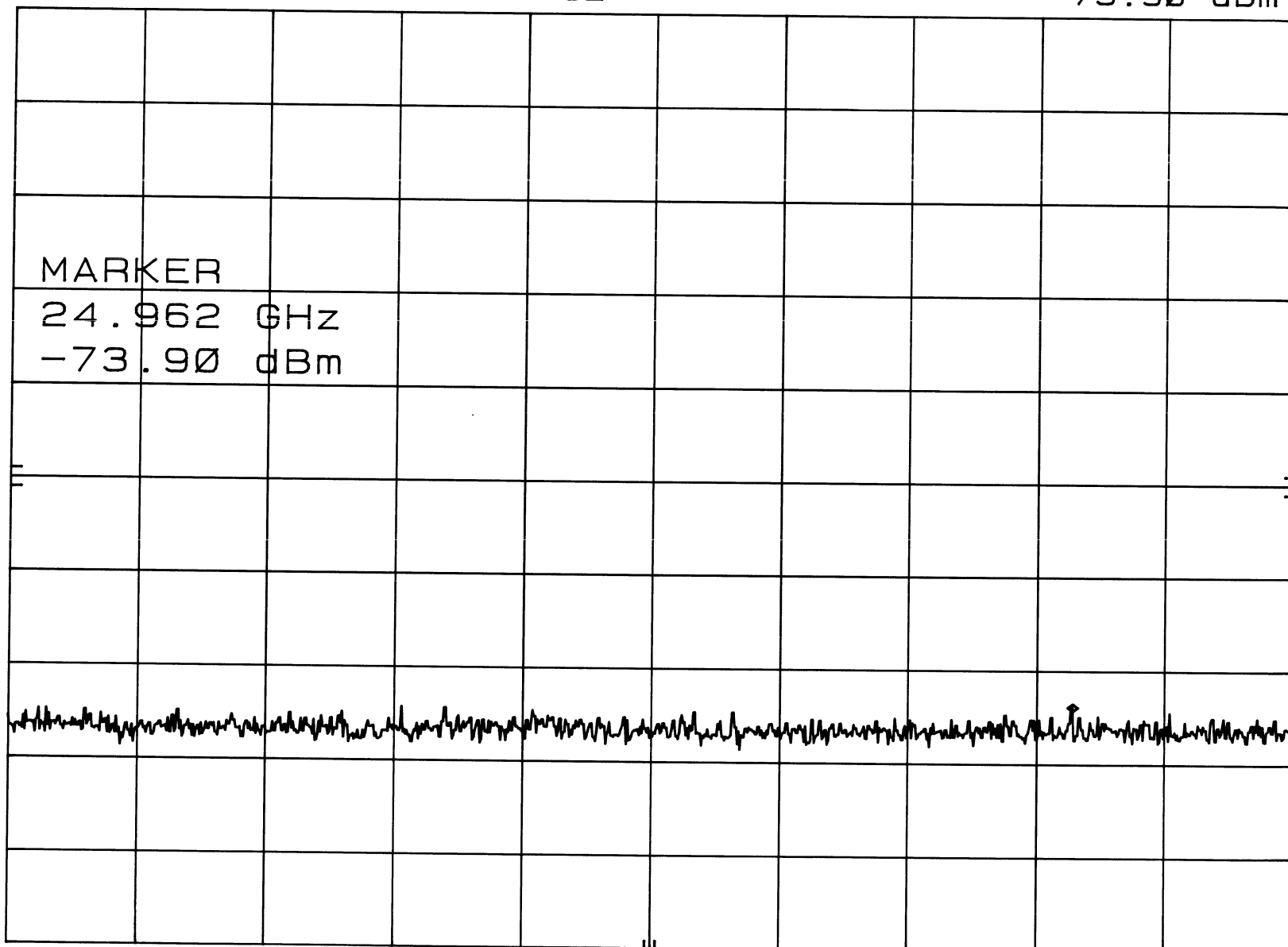
hp

10 dB/

CNVLOSS
22.0
dB

MARKER

24.962 GHz
-73.90 dBm



START 20.00 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 26.00 GHz
SWP 1.80 scc

6-19-01

RF ANT. COND. TEST OF HIGH CHANNEL 2-10GHz

MKR 2.472 GHz

hp

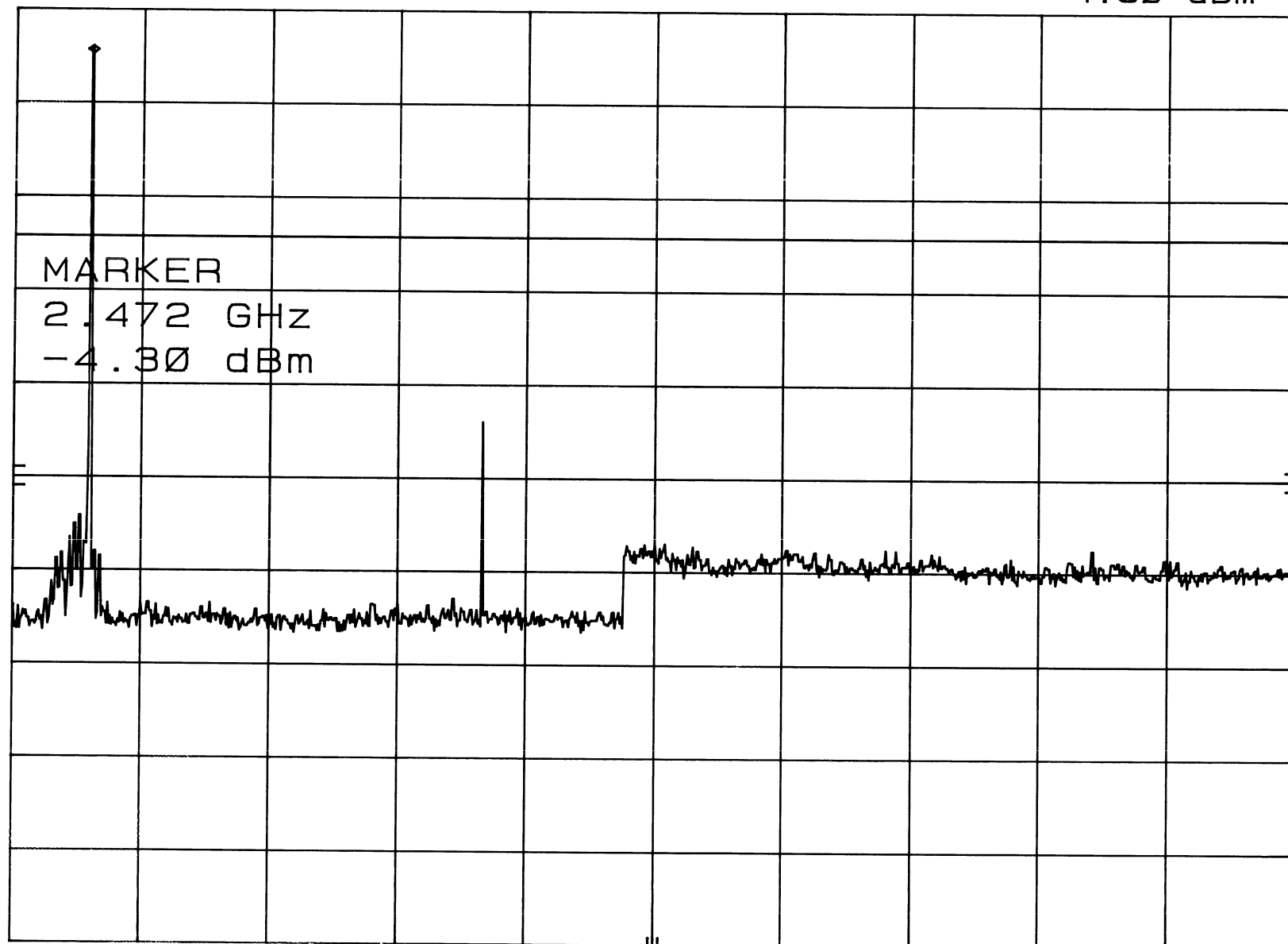
REF 0.0 dBm

ATTEN 20 dB

-4.30 dBm

10 dB/

DL
-24.3
dBm



START 2.00 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 10.00 GHz

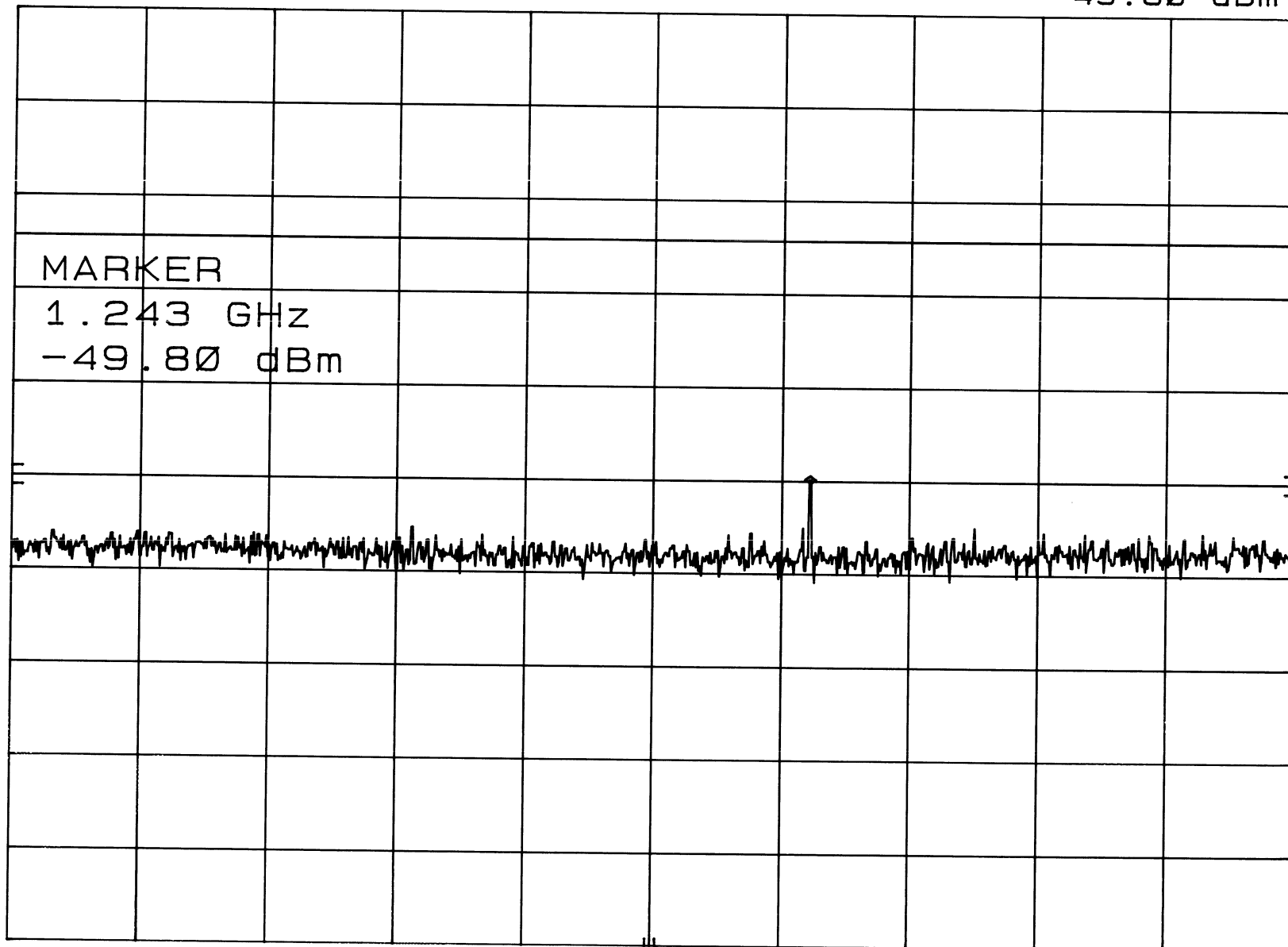
SWP 2.40 sec

RF ANT. COND. TEST OF HIGH CHANNEL 2MHZ-2GHZ MKR 1.243 GHz
REF 0.0 dBm ATTEN 30 dB -49.80 dBm

hp
10 dB/

DL
-24.3
dBm

MARKER
1.243 GHz
-49.80 dBm



START 2 MHz

RES BW 100 kHz

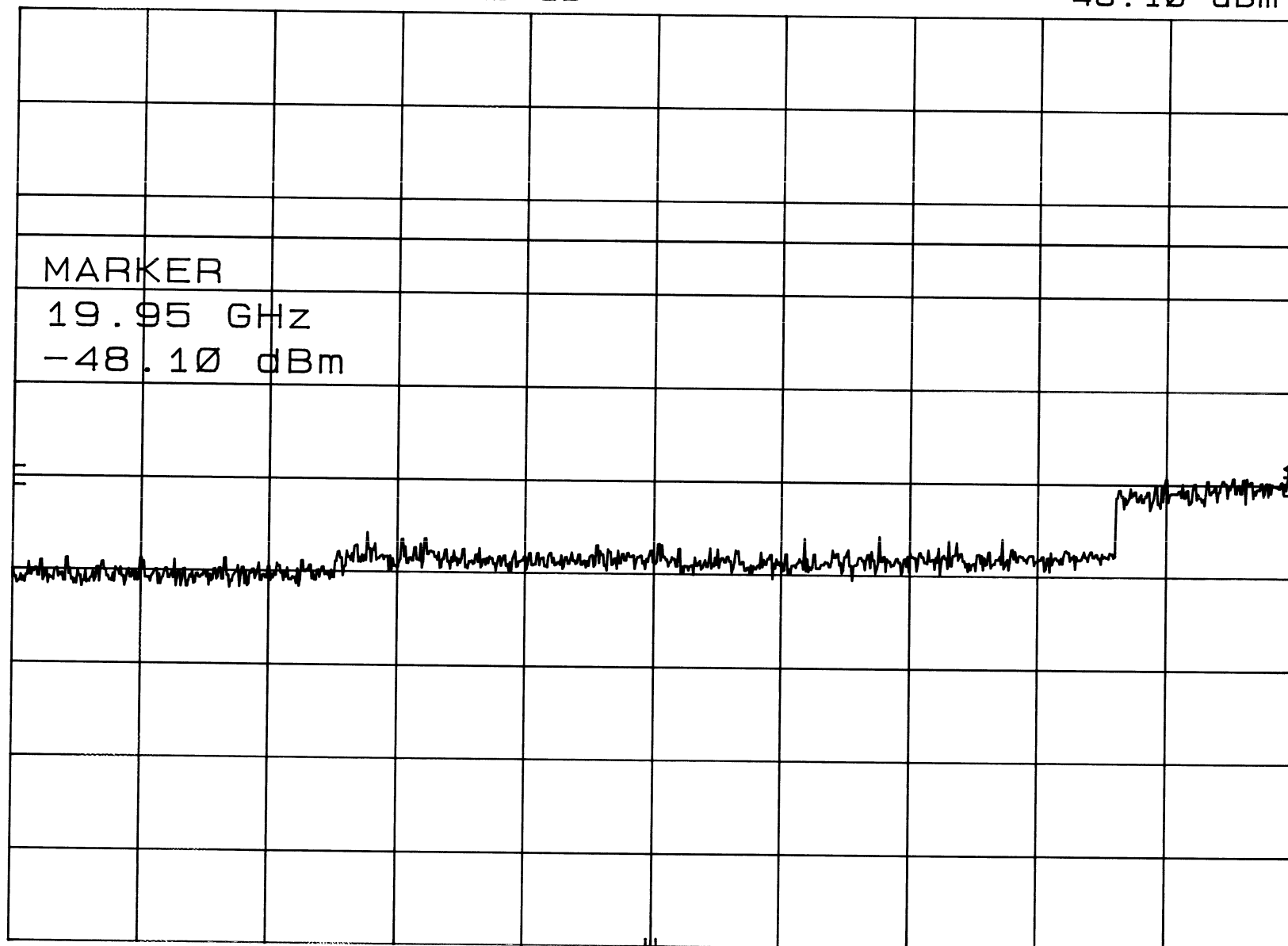
VBW 300 kHz

STOP 2.00 GHz
SWP 599 msec

RF ANT. COND. TEST OF HIGH CHANNEL 10-20GHz MKR 19.95 GHz
hp REF 0.0 dBm ATTEN 20 dB -48.10 dBm

10 dB/

DL
-24.3
dBm



START 10.0 GHz

RES BW 100 kHz

VBW 300 kHz

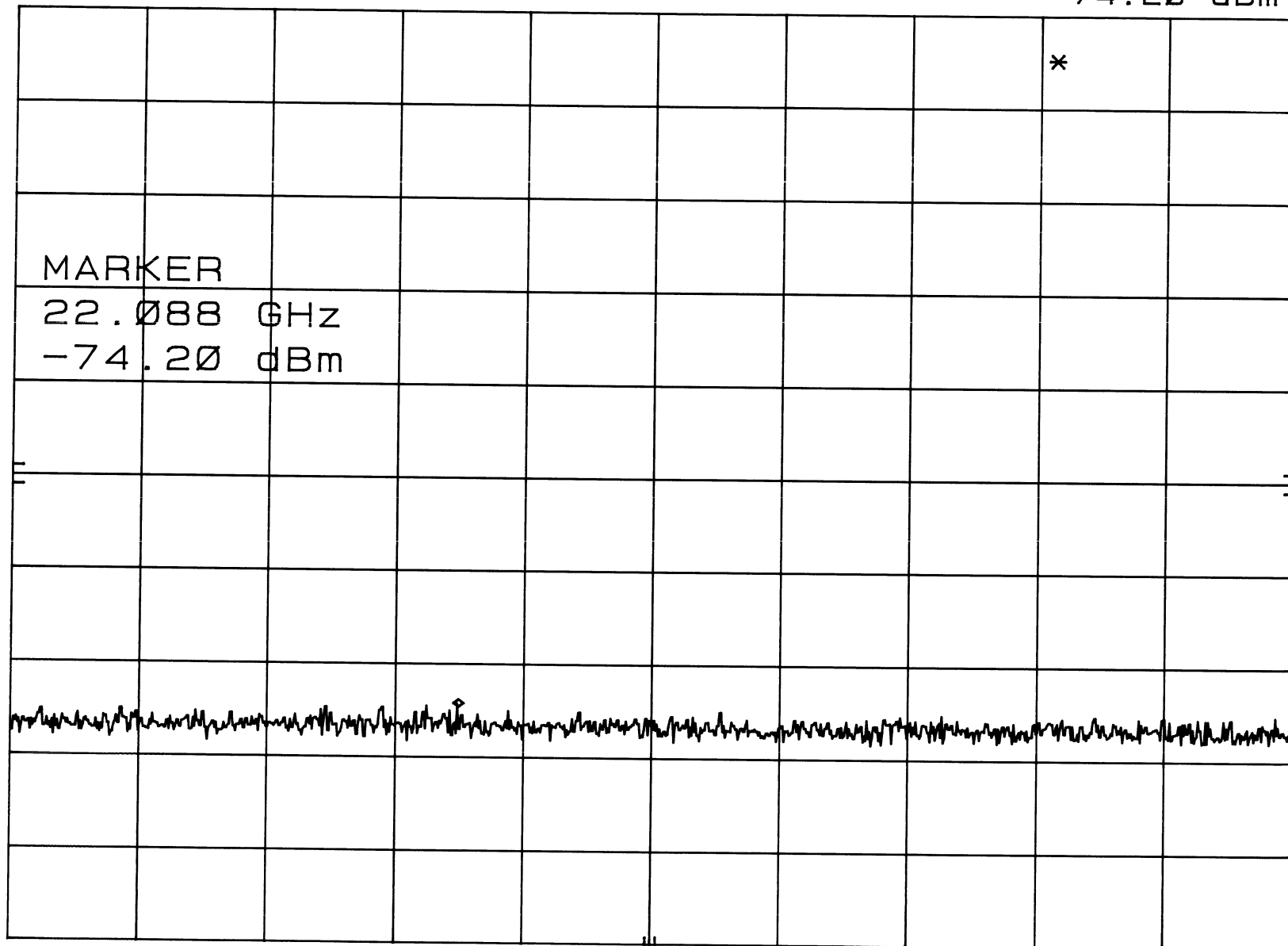
STOP 20.0 GHz

SWP 3.00 sec

RF ANT. COND. TEST OF HIGH CHANNEL 20-26GHz MKR 22.088 GHz
REF 0.0 dBm HARMONIC 6L -74.20 dBm

hp
10 dB/

CNVLOSS
22.0
dB



START 20.00 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 26.00 GHz

SWP 1.80 sec

***RF BAND EDGES
DATA SHEETS***



6-19-01

BANE EDGE OF LOW CHANNEL

MKR 2.389 90 GHz

hp REF 97.0 dB μ V ATTN 0 dB

53.60 dB μ V

10 dB/

MARKER

2.389 90 GHz

53.60 dB μ V

DL
93.0
dB μ V

CORR'D

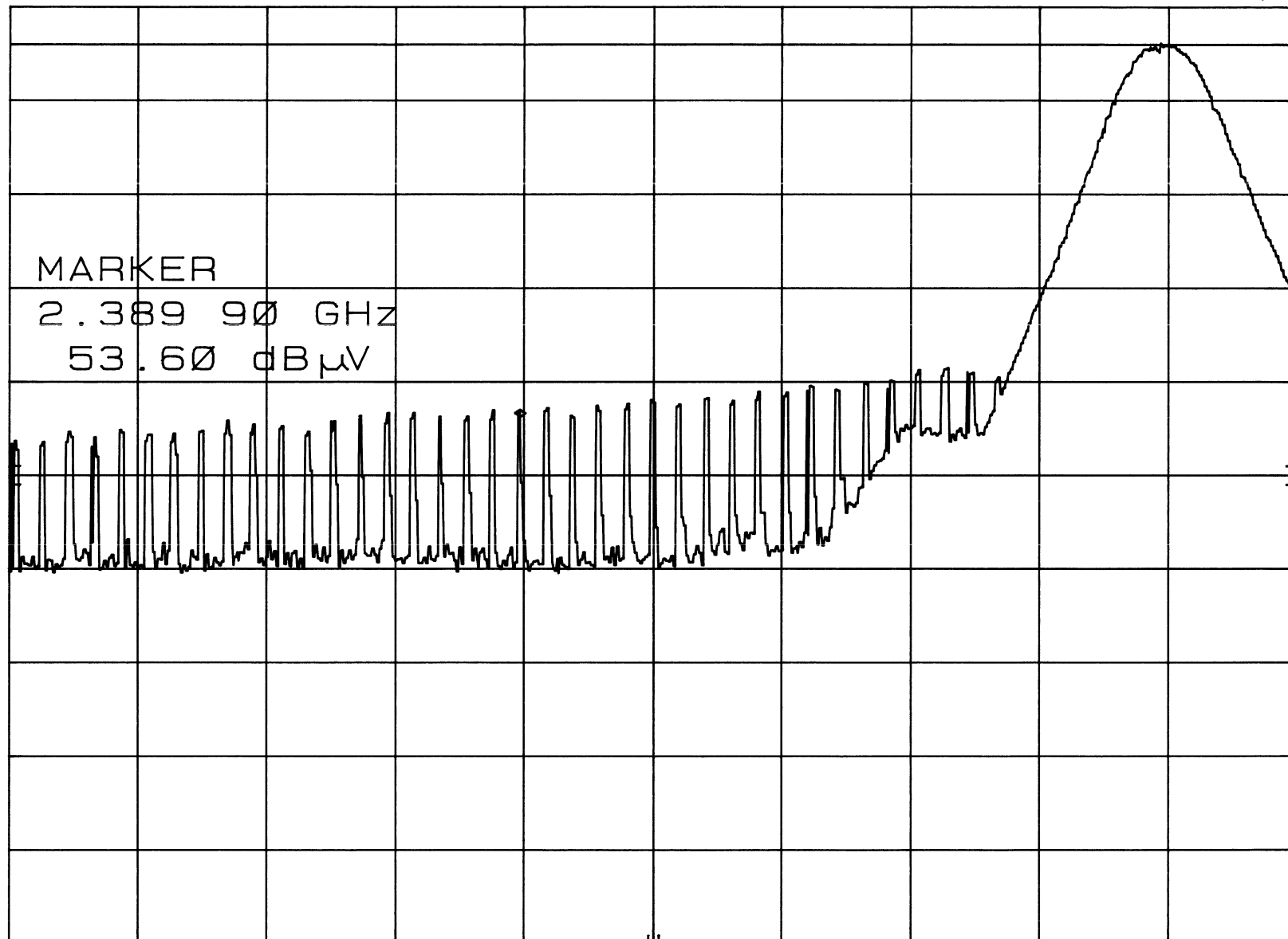
START 2.380 0 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.405 0 GHz

SWP 20.0 msec



6-19-01

AVERAGE READING OF BAND EDGE - LOW CH.

MKR 2.391 176 GHz

hp

REF 57.0 dB μ V ATTN 0 dB

36.65 dB μ V

LINEAR

MARKER

DL
56.6
dB μ V

2.391 176 GHz
36.65 dB μ V

CORR'D

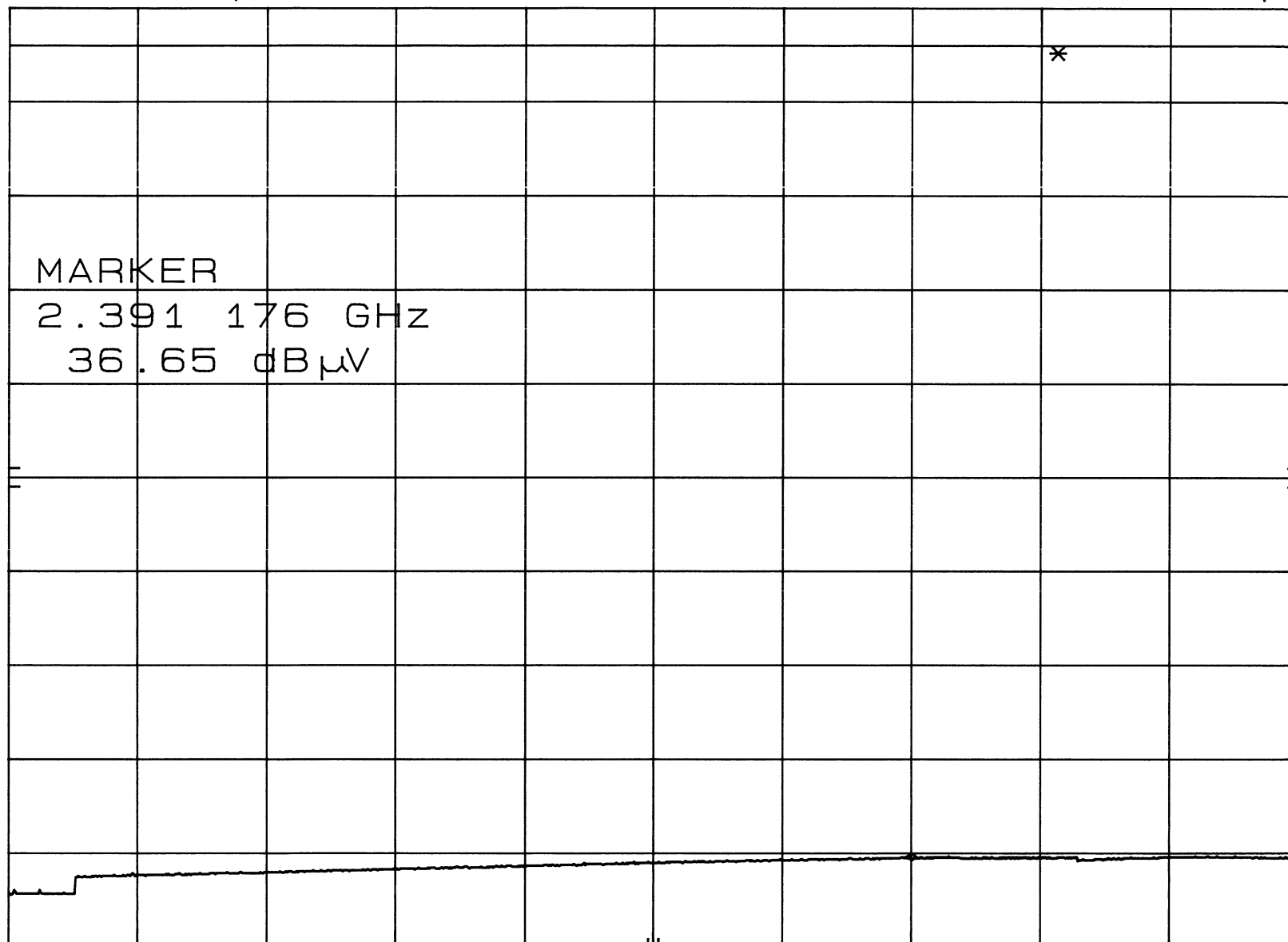
START 2.389 90 GHz

RES BW 1 MHz

VBW 10 Hz

STOP 2.391 72 GHz

SWP 50.0 sec



6-19-01

BAND EDGE OF HIGH CHANNEL
REF 97.0 dB μ V ATTEN 0 dB

MKR 2.483 50 GHz
53.30 dB μ V

hp

10 dB/

DL
85.0
dB μ V

MARKER
2.483 50 GHz
53.30 dB μ V

CORR'D

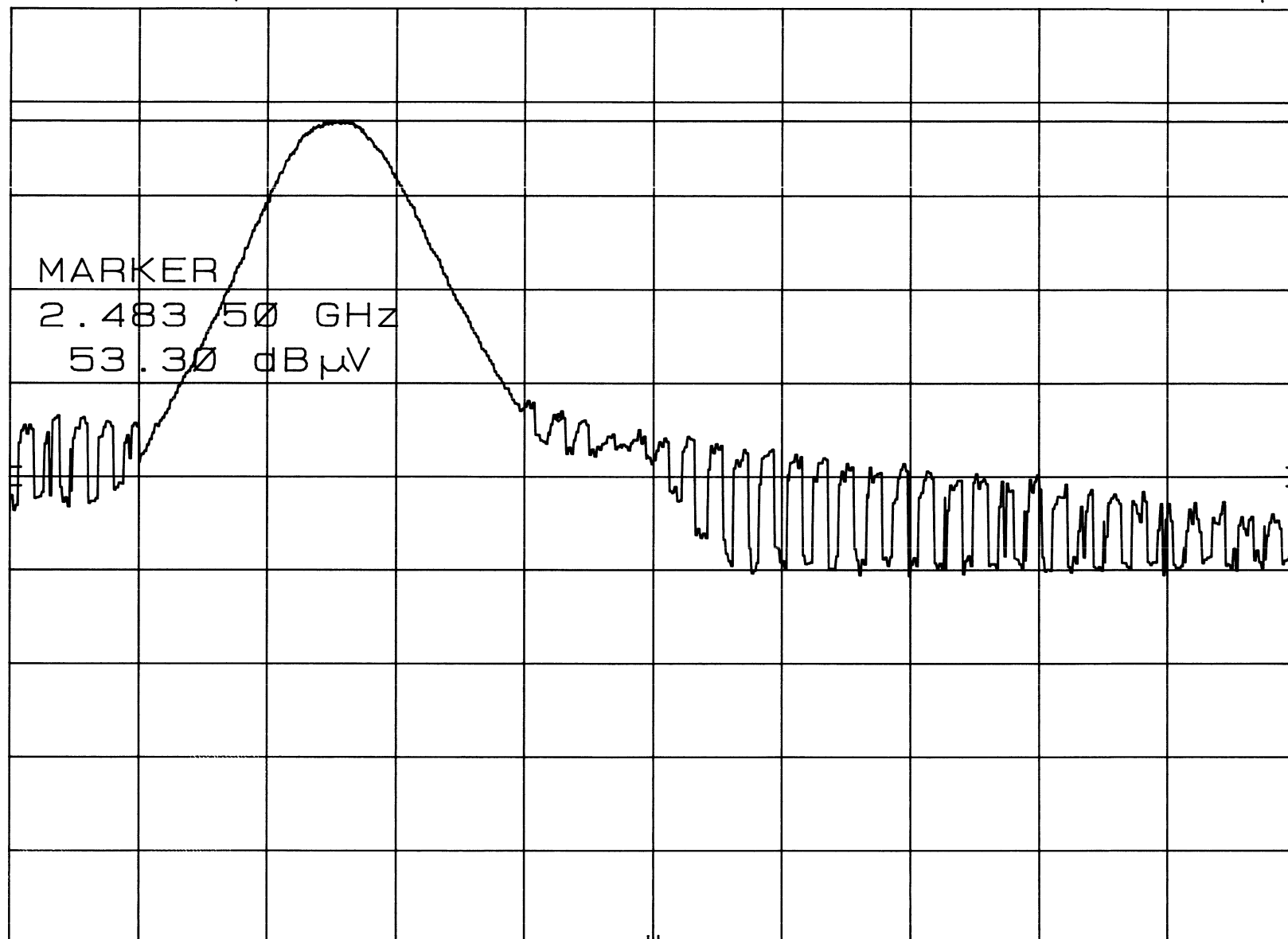
START 2.475 0 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.495 0 GHz

SWP 20.0 msec



6-19-01

AVERAGE READING OF BAND EDGE - HIGH CH. MKR 2.483 710 GHz
REF 56.0 dB μ V ATTN 0 dB 39.17 dB μ V

hp

LINEAR

DL
54.8
dB μ V

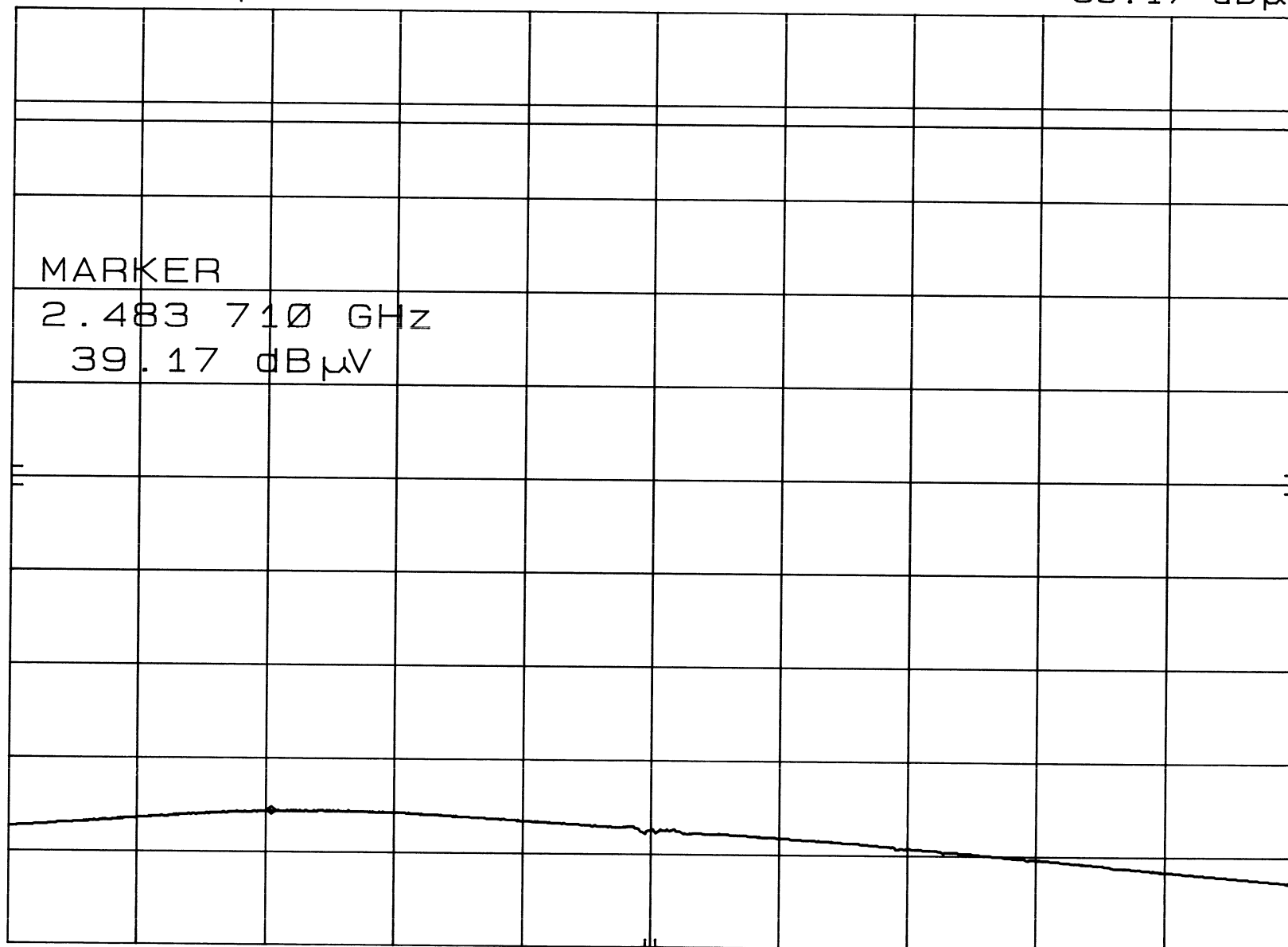
MARKER
2.483 710 GHz
39.17 dB μ V

CORR'D

START 2.483 40 GHz
RES BW 1 MHz

VBW 10 Hz

STOP 2.484 92 GHz
SWP 50.0 sec



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	Xircom, Inc.	DATE	6/19/01
EUT	REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER	DUTY CYCLE	N/A
MODEL	R2BT	PEAK TO AVG	N/A
S/N	N/A	TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO	LAB	D

[illegible]

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

***CARRIER FREQUENCY SEPARATION
DATA SHEETS***



6-19-01

CARRIER FREQUENCY SEPARATION

MKR Δ 999 kHz

hp

REF 10.0 dBm ATTN 20 dB

-0.10 dB

10 dB/

DL
-30.0
dBm

MARKER Δ
999 kHz
-0.10 dB

CORR'D

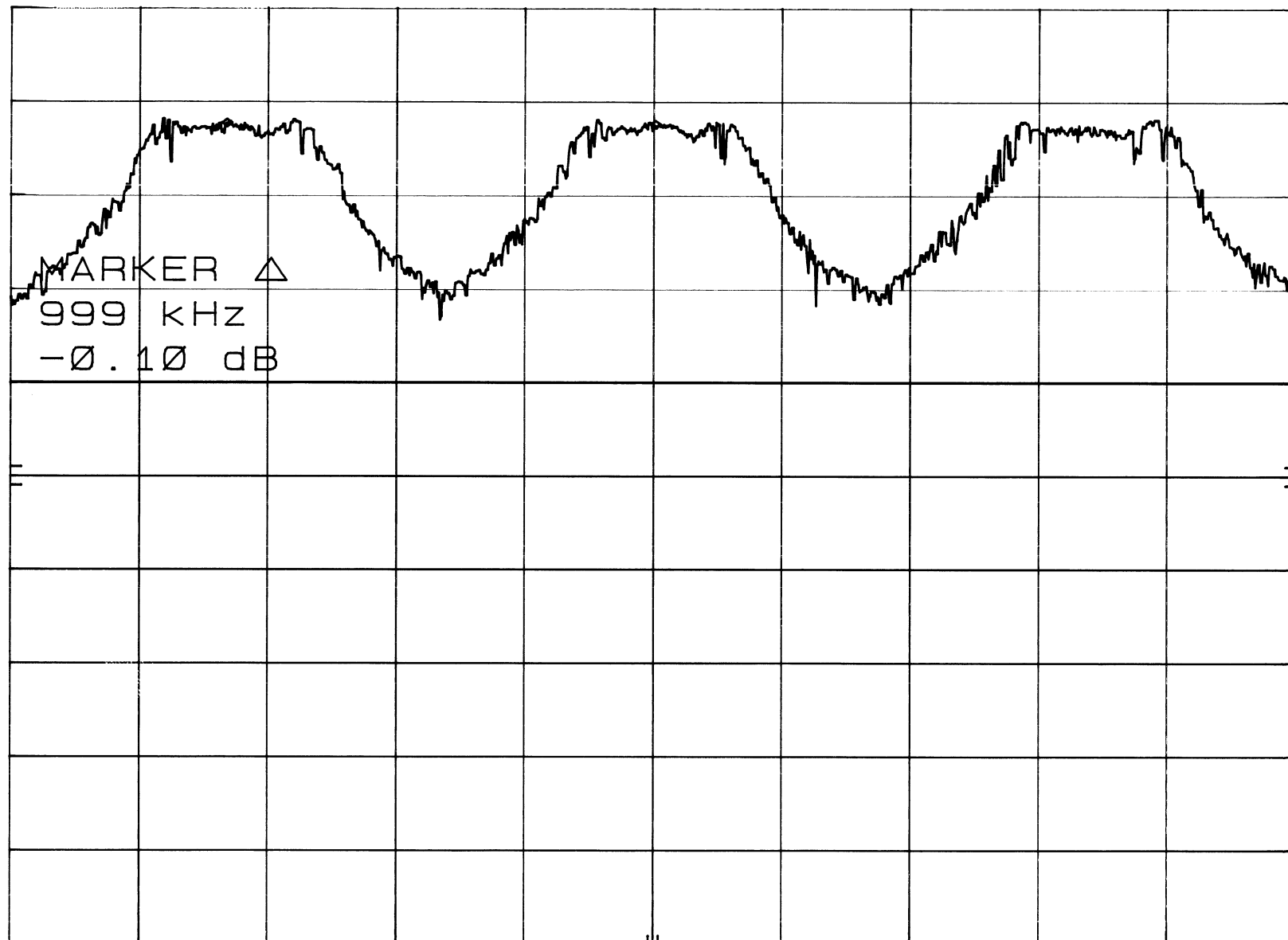
CENTER 2.442 00 GHz

RES BW 100 kHz

VBW 100 kHz

SPAN 3.00 MHz

SWP 20.0 msec



***NUMBER OF HOPPING FREQUENCIES
DATA SHEETS***



6-19-01

NUMBER OF HOPPING FREQUENCIES

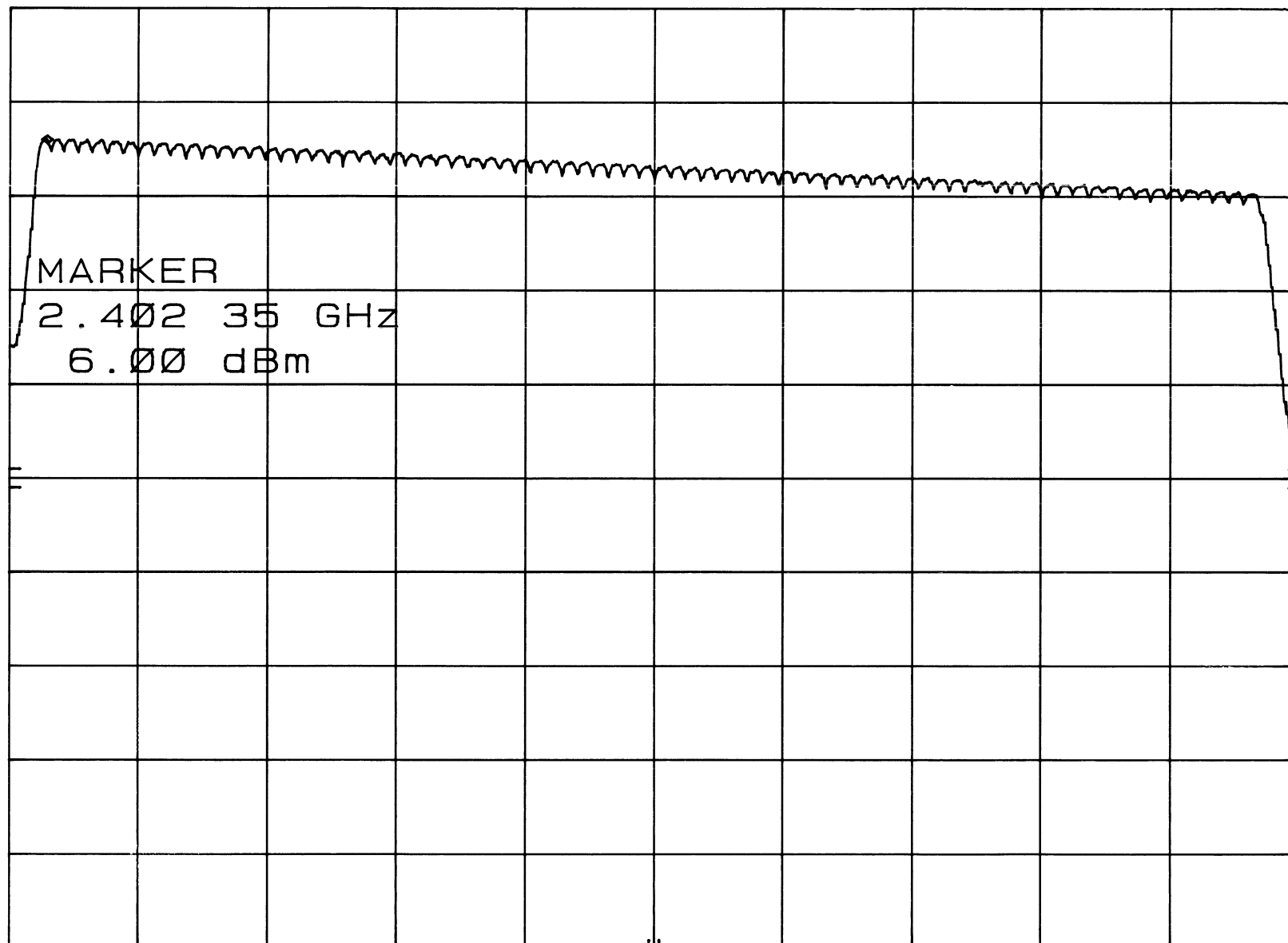
MKR 2.402 35 GHz

hp

REF 20.0 dBm ATTN 30 dB

6.00 dBm

10 dB/



START 2.400 0 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.484 0 GHz

SWP 20.0 msec

***AVERAGE TIME OF OCCUPANCY
DATA SHEETS***



6-19-01

TIME FOR ONE TRANSMISSION

MKR Δ 2.860 msec

hp

REF 97.0 dB μ V ATTN 0 dB

-0.80 dB

10 dB/

DL
85.0
dB μ V

MARKER Δ
2.860 msec
-0.80 dB

CORR'D

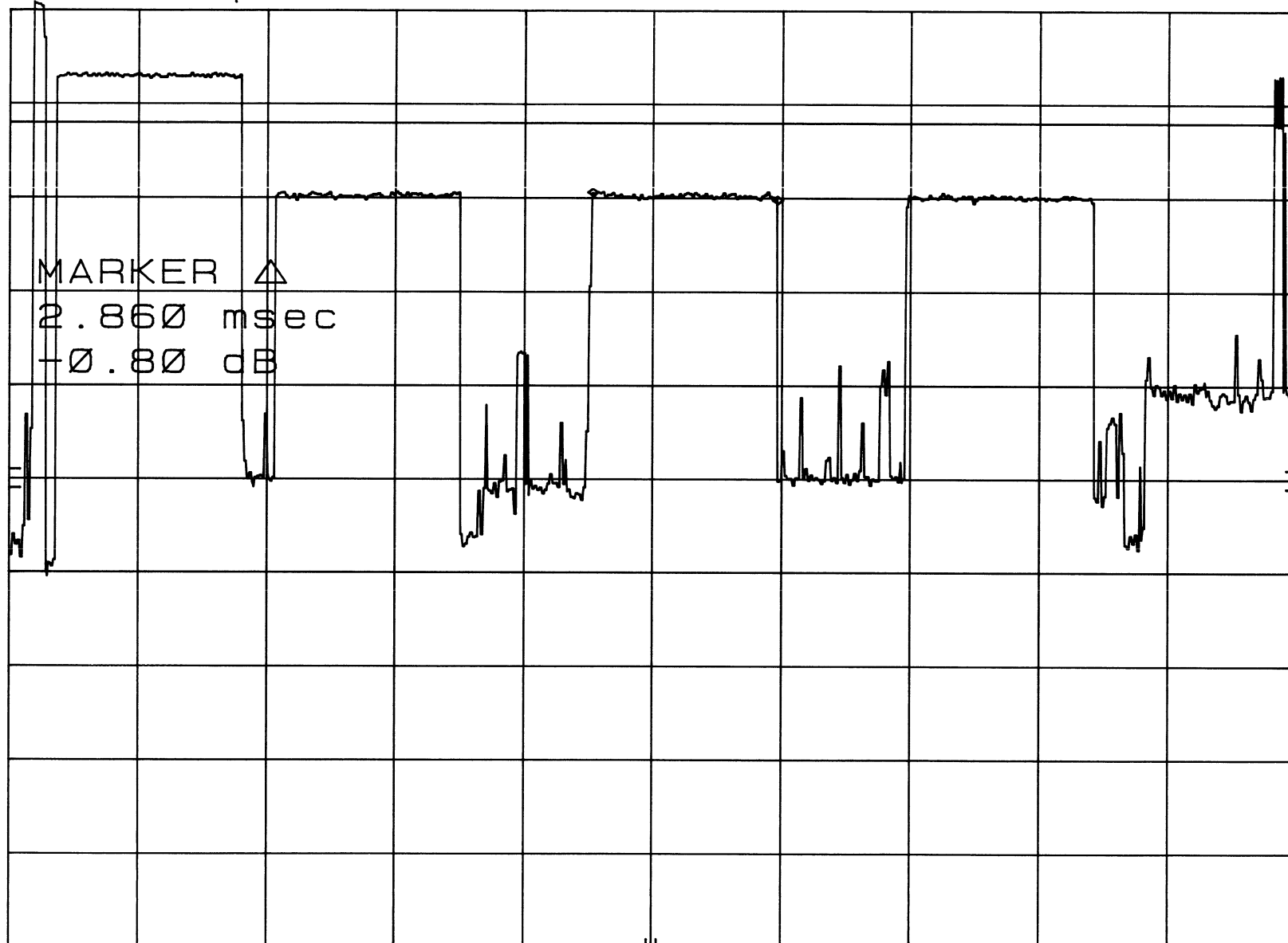
CENTER 2.442 000 000 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 0 Hz

SWP 20.0 msec



6-19-01

TIME OF TRANSMISSIONS IN 30 SECONDS

MKR 317.2 msec

hp

REF 97.0 dB μ V ATTEN 30 dB

55.70 dB μ V

10 dB/

DL
85.0
dB μ V

MARKER

317.2 msec

55.70 dB μ V

CORR'D

CENTER 2.442 000 000 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 0 Hz

SWP 400 msec

***SPECTRAL DENSITY OUTPUT
DATA SHEETS***



6-19-01

SPECTRAL DENSITY OUTPUT OF LOW CHANNEL

MKR 2.402 030 GHz

hp

REF 10.0 dBm

ATTEN 20 dB

-8.20 dBm

10 dB/

DL
8.0
dBm

MARKER

2.402 030 GHz

-8.20 dBm

CORR'D

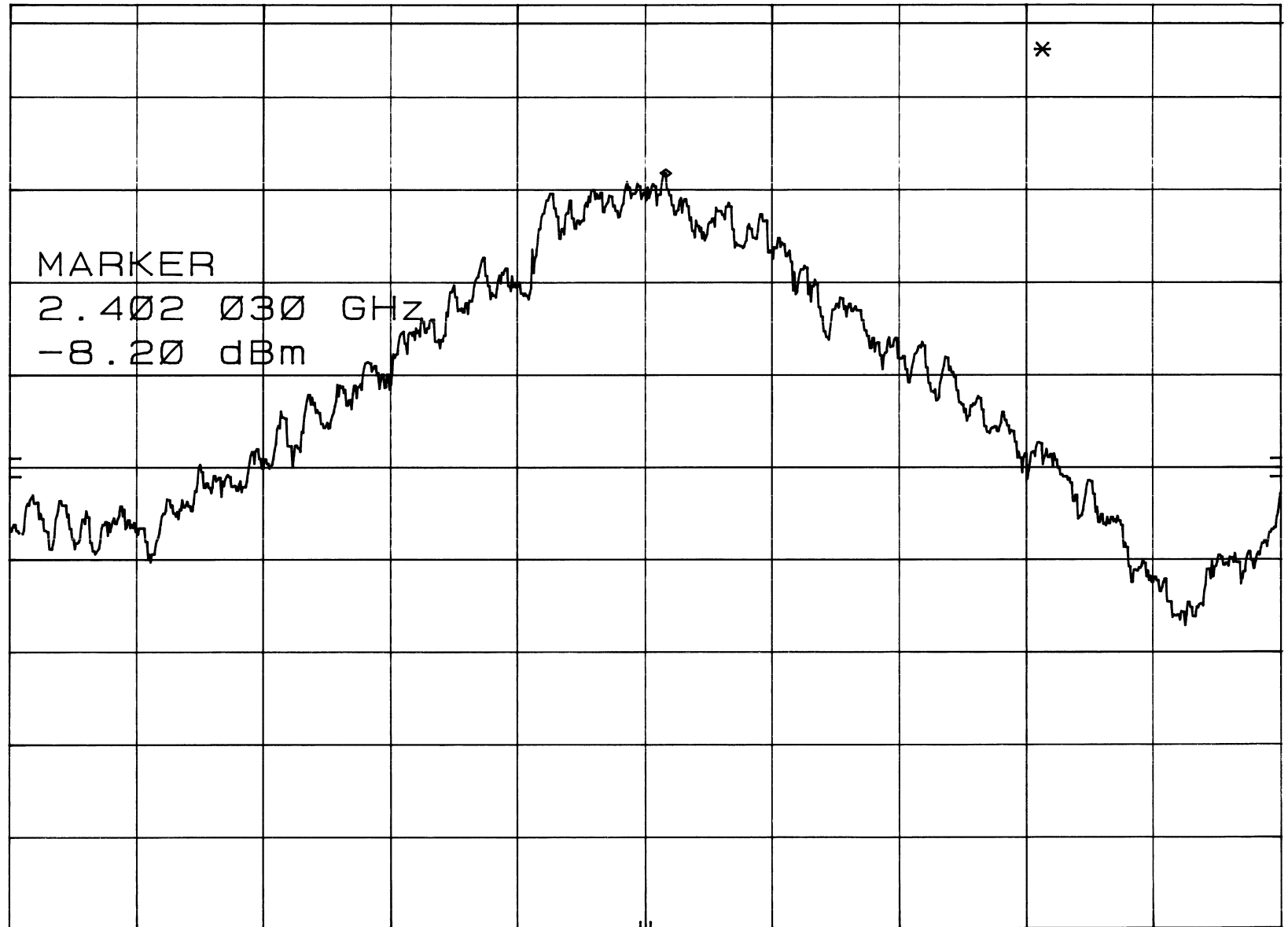
CENTER 2.402 00 GHz

RES BW 3 kHz

VBW 10 kHz

SPAN 2.00 MHz

SWP 667 sec



6-19-01

SPECTRAL DENSITY OUTPUT OF MID CHANNEL

MKR 2.442 030 GHz

hp

REF 10.0 dBm

ATTEN 20 dB

-12.10 dBm

10 dB/

DL
8.0
dBm

MARKER

2.442 030 GHz

-12.10 dBm

CORR'D

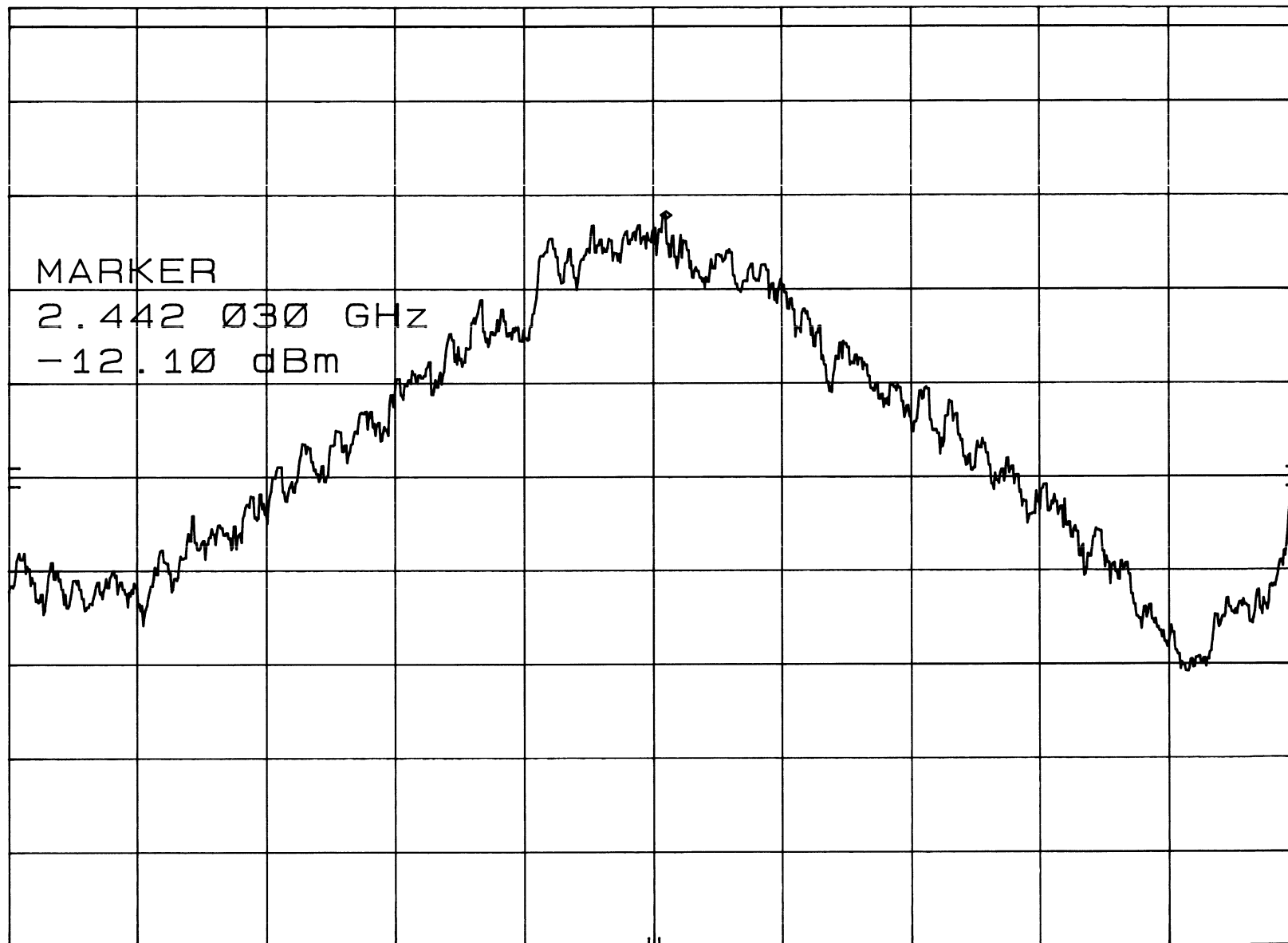
CENTER 2.442 01 GHz

RES BW 3 kHz

VBW 10 kHz

SPAN 2.00 MHz

SWP 667 sec



SPECTRAL DENSITY OUTPUT OF HIGH CHANNEL MKR 2.480 030 GHz
REF 10.0 dBm ATTN 20 dB -16.00 dBm

hp
10 dB/

DL
8.0
dBm

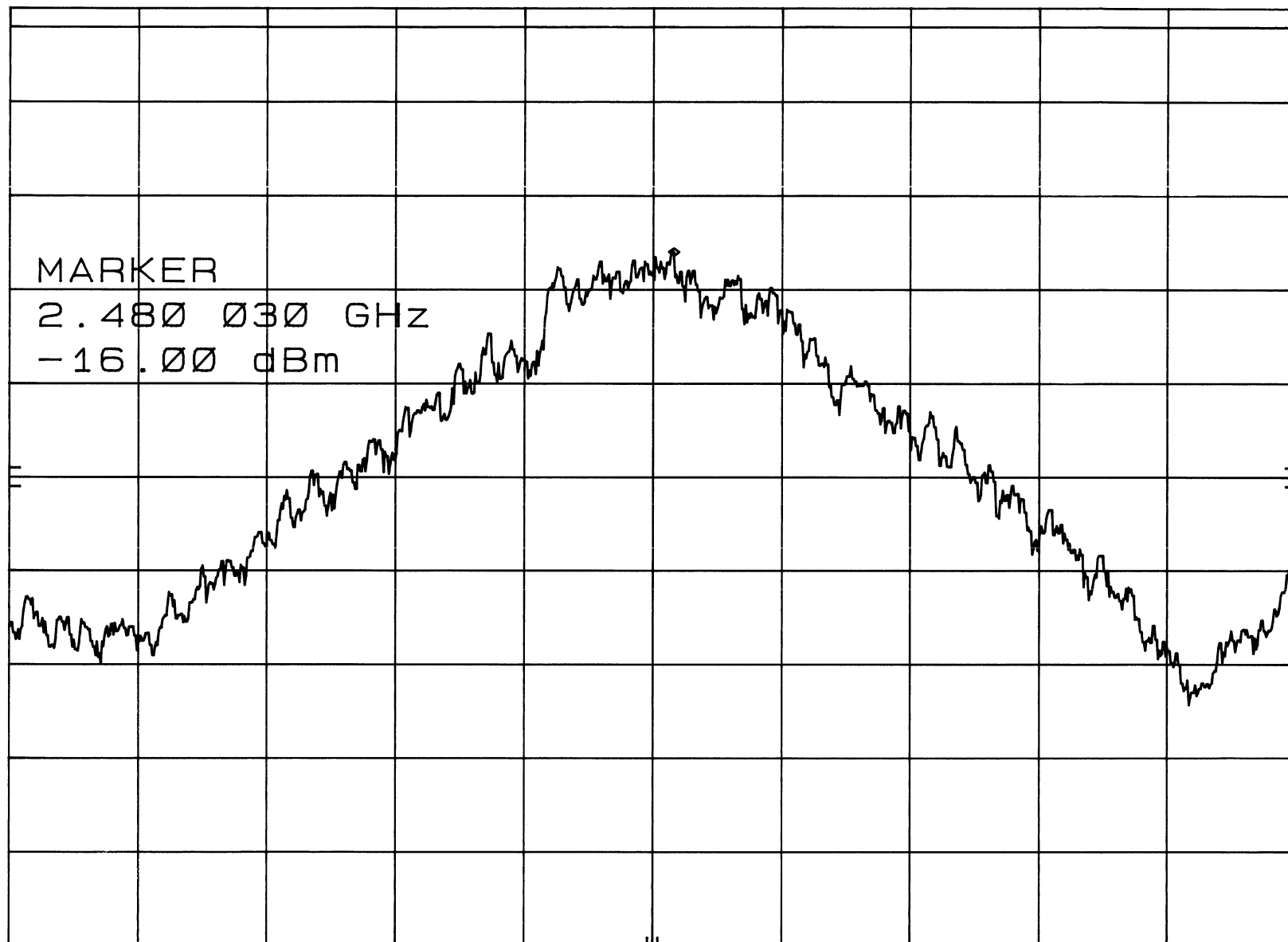
MARKER
2.480 030 GHz
-16.00 dBm

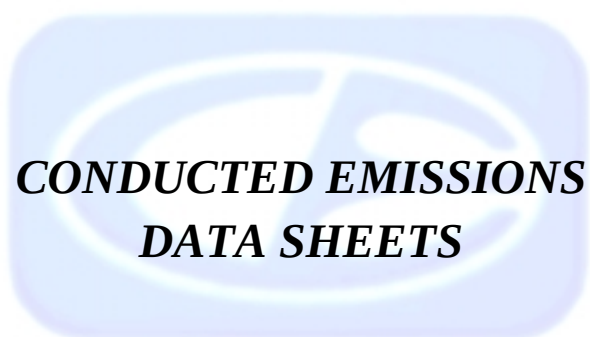
CORR'D

CENTER 2.480 00 GHz
RES BW 3 kHz

VBW 10 kHz

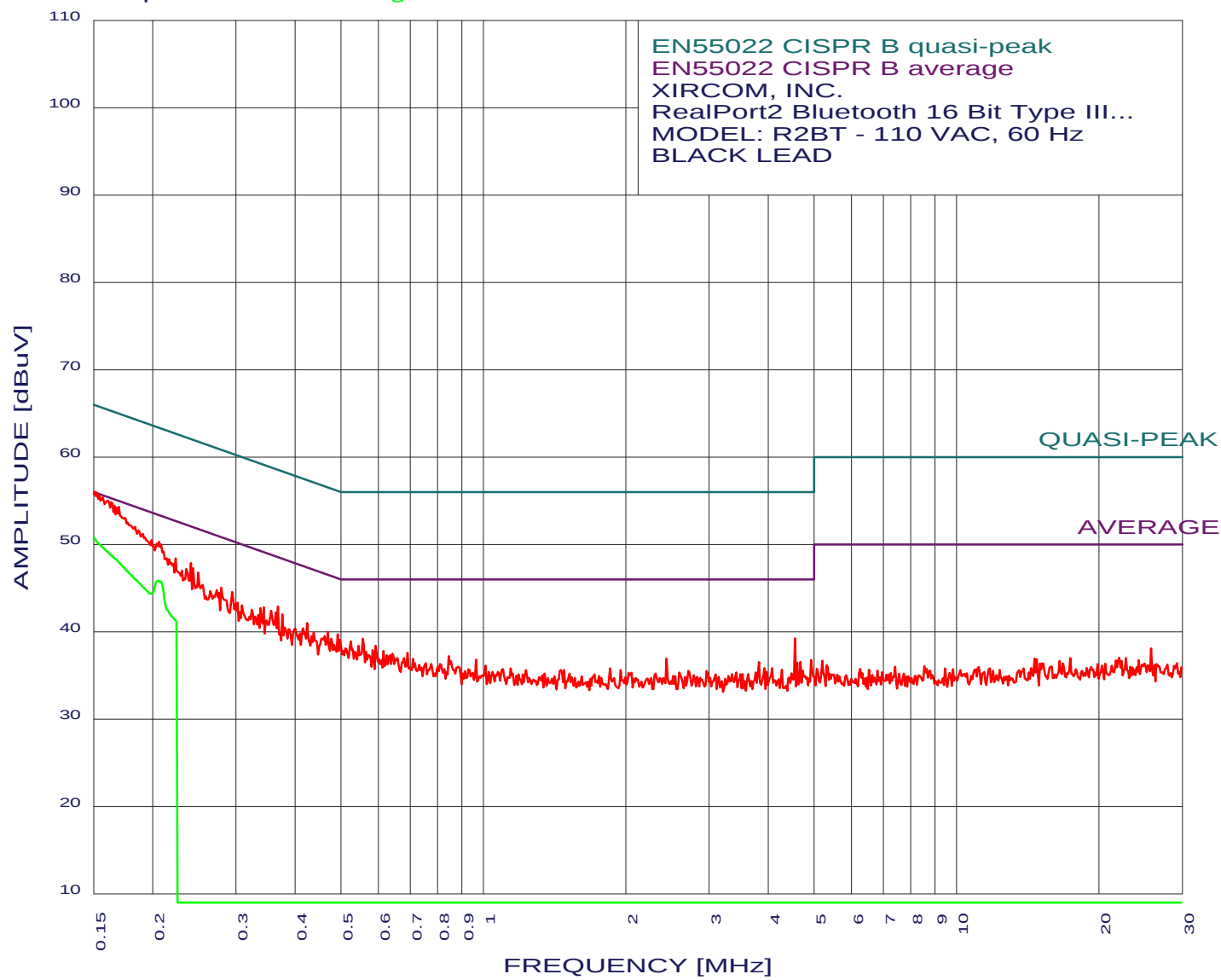
SPAN 2.00 MHz
SWP 667 sec





EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

6/19/2001 15:59:25





XIRCOM, INC.

RealPort2 Bluetooth 16 Bit Type III PC Card Adapter

MODEL: R2BT - 110 VAC, 60 Hz

EN55022 B - BLACK LEAD

TEST ENGINEER : KYLE FUJIMOTO

29 highest peaks above -50.00 dB of CLASS B limit line

Peak criteria : 0.10 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.151	56.02	55.95	0.07*
2	0.153	55.92	55.86	0.06*
3	0.154	55.62	55.77	-0.15*
4	0.157	55.42	55.64	-0.22*
5	0.161	55.01	55.42	-0.40*
6	0.163	54.81	55.29	-0.48*
7	0.170	54.31	54.98	-0.67*
8	0.166	54.41	55.16	-0.75*
9	0.168	54.21	55.07	-0.86*
10	0.184	52.00	54.32	-2.32*
11	0.186	51.60	54.19	-2.59*
12	0.191	51.20	54.01	-2.81*
13	0.206	50.29	53.36	-3.07*
14	0.199	50.49	53.66	-3.16*
15	0.208	49.99	53.27	-3.28*
16	0.204	50.09	53.44	-3.35*
17	0.241	47.87	52.07	-4.20
18	0.223	48.38	52.69	-4.31*
19	0.217	48.28	52.95	-4.67*
20	0.243	47.27	51.98	-4.72
21	0.221	47.78	52.78	-5.00*
22	0.250	46.76	51.77	-5.00
23	0.236	47.17	52.25	-5.08
24	0.230	46.97	52.43	-5.46
25	0.368	42.90	48.55	-5.65
26	0.279	45.05	50.85	-5.80
27	0.294	44.54	50.40	-5.86
28	0.255	45.36	51.60	-6.24
29	0.273	44.75	51.02	-6.27

* Please see the Average Readings on the Next Page and on the Plot

**COMPATIBLE
ELECTRONICS**

6/19/2001 15:59:25

XIRCOM, INC.

RealPort2 Bluetooth 16 Bit Type III PC Card Adapter

MODEL: R2BT - 110 VAC, 60 Hz

EN55022 B - BLACK LEAD

TEST ENGINEER : KYLE FUJIMOTO

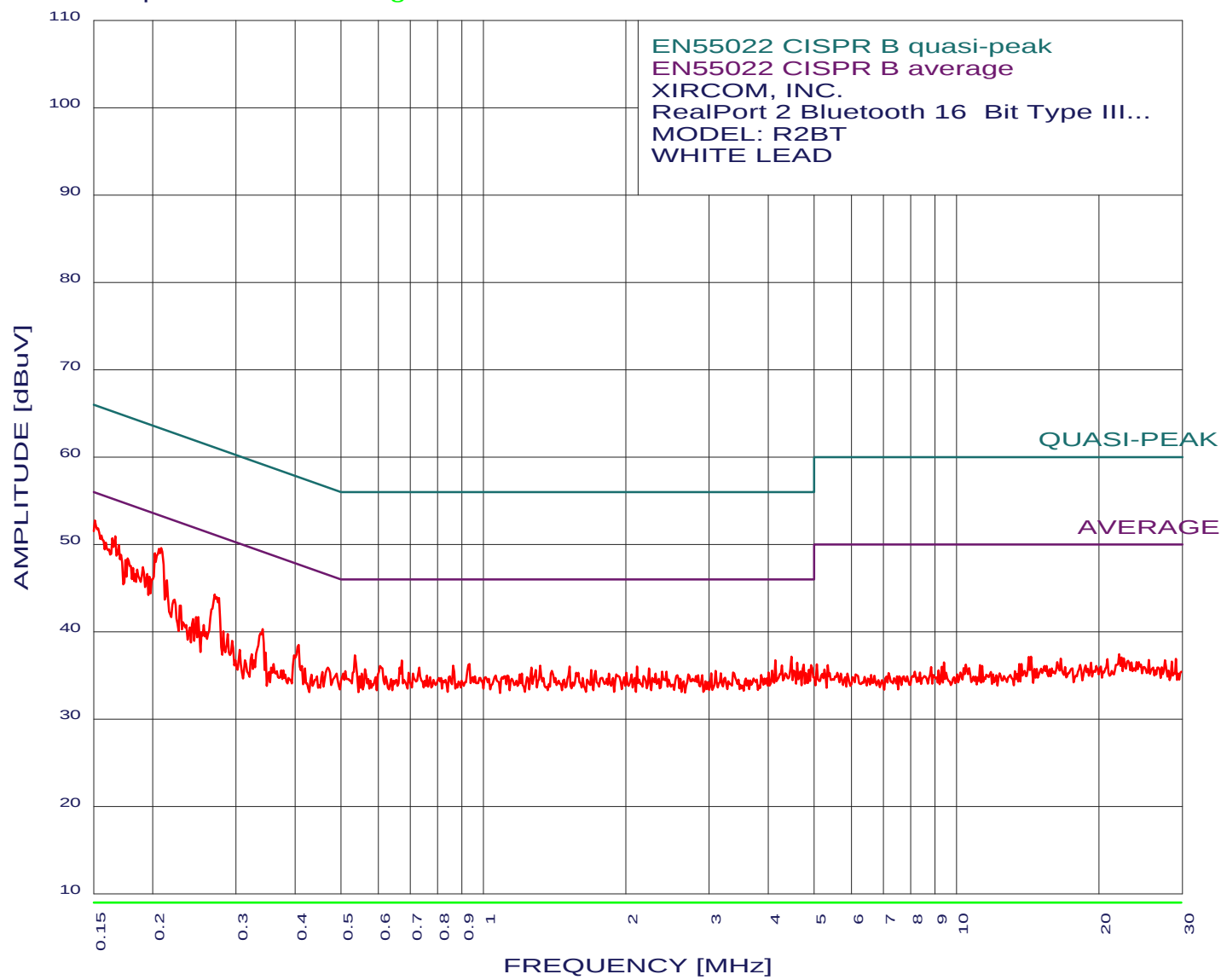
2 highest peaks above -50.00 dB of CLASS B limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.207	45.78	53.31	-7.54
2	0.205	45.85	53.40	-7.55

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

6/19/2001 15:52:58





**COMPATIBLE
ELECTRONICS**

6/19/2001 15:52:58

XIRCOM, INC.

RealPort2 Bluetooth 16 Bit Type III PC Card Adapter

MODEL: R2BT - 110 VAC, 60 Hz

EN55022 B - WHITE LEAD

TEST ENGINEER : KYLE FUJIMOTO

30 highest peaks above -50.00 dB of CLASS B limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.151	52.72	55.95	-3.23
2	0.208	49.59	53.27	-3.68
3	0.167	50.91	55.12	-4.21
4	0.164	50.71	55.25	-4.53
5	0.202	48.99	53.53	-4.54
6	0.170	49.91	54.98	-5.07
7	0.177	48.41	54.62	-6.22
8	0.175	48.21	54.71	-6.51
9	0.191	47.40	54.01	-6.61
10	0.270	44.25	51.10	-6.85
11	0.182	47.30	54.41	-7.11
12	0.185	47.10	54.24	-7.14
13	0.214	45.88	53.04	-7.16
14	0.195	46.59	53.83	-7.24
15	0.197	46.29	53.74	-7.45
16	0.535	37.29	46.00	-8.71
17	0.341	40.31	49.17	-8.86
18	4.479	37.14	46.00	-8.86
19	0.222	43.68	52.73	-9.05
20	0.407	38.49	47.72	-9.23
21	4.141	36.73	46.00	-9.27
22	0.672	36.69	46.00	-9.31
23	0.228	42.98	52.52	-9.55
24	4.603	36.44	46.00	-9.56
25	0.934	36.30	46.00	-9.70
26	4.753	36.25	46.00	-9.75
27	4.927	36.16	46.00	-9.84
28	4.275	36.14	46.00	-9.86
29	1.319	36.10	46.00	-9.90
30	0.863	36.10	46.00	-9.90
