



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



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	Xircom, Inc.	DATE	3/5/01
EUT	RealPort2 Bluetooth 16 Bit Type III PC Card Adapter	DUTY CYCLE	N/A
MODEL	R2BT	PEAK TO AVG	N/A
S/N	Pre-Production	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	55.8	A	H	1.0	180	X	LOW	30.5	3.6	0.0	89.9			
2402.0000	57.4	A	V	1.0	180	X	LOW	30.5	3.6	0.0	91.5			
2442.0000	47.1	A	H	1.5	180	X	LOW	30.6	3.5	0.0	81.2			
2442.0000	47.9	A	V	1.0	90	X	HIGH	30.6	3.5	0.0	82.0			
2480.0000	44.1	A	H	1.5	180	X	HIGH	30.7	3.5	0.0	78.3			
2480.0000	45.4	A	V	1.0	180	X	HIGH	30.7	3.5	0.0	79.6			

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

** DELTA = SPEC LIMIT - CORRECTED READING

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4804.0000	38.8	A	H	1.0	90	X	LOW	34.2	5.4	32.0	46.4	-7.6	54.0	
4804.0000	45.5	42.0 A	V	1.0	90	X	LOW	34.2	5.4	32.0	49.6	-4.4	54.0	
4884.0000	41.5	35.1 A	H	1.0	90	X	MID	34.4	5.6	32.1	43.0	-11.0	54.0	
4884.0000	42.1	38.1 A	V	1.0	90	X	MID	34.4	5.6	32.1	46.0	-8.0	54.0	
4960.0000	42.4	37.8 A	H	1.0	180	X	HIGH	34.7	5.7	32.2	46.0	-8.0	54.0	
4960.0000	45.6	42.8 A	V	1.0	180	X	HIGH	34.7	5.7	32.2	51.0	-3.0	54.0	

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PAGE 2

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7206.0000	38.4	30.6 A	H	1.0	180	X	LOW	38.7	8.1	32.5	44.9	-9.1	54.0	
7206.0000	39.0	30.9 A	V	1.0	90	X	LOW	38.7	8.1	32.5	45.2	-8.8	54.0	
7326.0000	44.2	38.5 A	H	1.5	90	X	LOW	38.6	8.1	32.7	52.6	-1.4	54.0	
7326.0000	44.3	35.2 A	V	1.5	180	X	LOW	38.6	8.1	32.7	49.2	-4.8	54.0	
7440.0000	41.4	32.0 A	H	1.5	180	X	LOW	38.6	7.9	32.9	45.6	-8.4	54.0	
7440.0000	40.1	30.6 A	V	1.5	270	X	LOW	38.6	7.9	32.9	44.2	-9.8	54.0	

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9608.0000	37.5	A	H	1.0	180	X	LOW	39.6	9.2	30.9	55.4	-16.1	71.5	
9608.0000	45.6	38.6 A	V	1.0	180	X	LOW	39.6	9.2	30.9	56.5	-15.0	71.5	
9768.0000	43.9	36.6 A	H	1.0	270	X	LOW	39.7	9.4	31.2	54.5	-7.5	62.0	
9768.0000	46.1	42.0 A	V	1.0	270	X	LOW	39.7	9.4	31.2	59.8	-2.2	62.0	
9920.0000	42.1	35.9 A	H	1.5	90	X	LOW	39.7	9.8	31.5	54.0	-5.6	59.6	
9920.0000	45.2	39.0 A	V	1.5	180	X	LOW	39.7	9.8	31.5	57.1	-2.5	59.6	

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

**No Harmonics nor Emissions found after
the 4th Harmonic**

SPECTRAL PLOT OF 2ND HARMONIC

MKR 4.960 02 GHz
45.40 dB μ V

hp REF 97.0 dB μ V ATTN 0 dB

10 dB/

MARKER
4.960 02 GHz
45.40 dB μ V

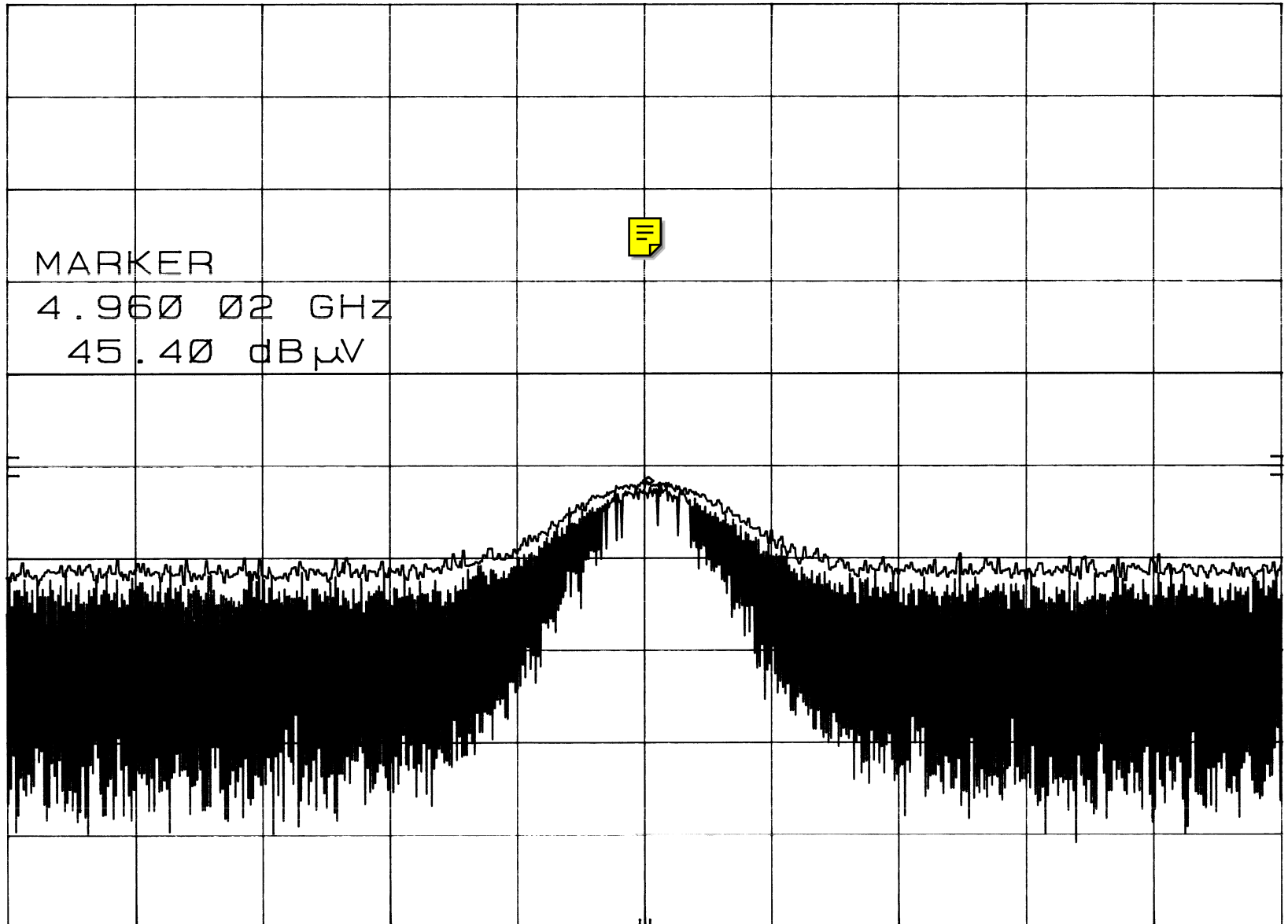
DL
57.0
dB μ V

CORR'D

CENTER 4.960 0 GHz
RES BW 1 MHz

VBW 1 MHz

SPAN 10.0 MHz
SWP 20.0 msec



AVERAGE OF 2ND HARMONIC

MKR 4.960 029 87 GHz
42.83 dB μ V

hp REF 47.0 dB μ V ATTN 0 dB

LINEAR

MARKER

DL
42.5
dB μ V

4.960 029 87 GHz
42.83 dB μ V



CORR'D

CENTER 4.960 055 0 GHz
RES BW 1 MHz

VBW 10 Hz

SPAN 70.0 kHz
SWP 50.0 sec

SPECTRAL PLOT OF 3RD HARMONIC

MKR 7.325 86 GHz
44.30 dB μ V

hp REF 97.0 dB μ V ATTN 0 dB

10 dB/

DL
57.0
dB μ V

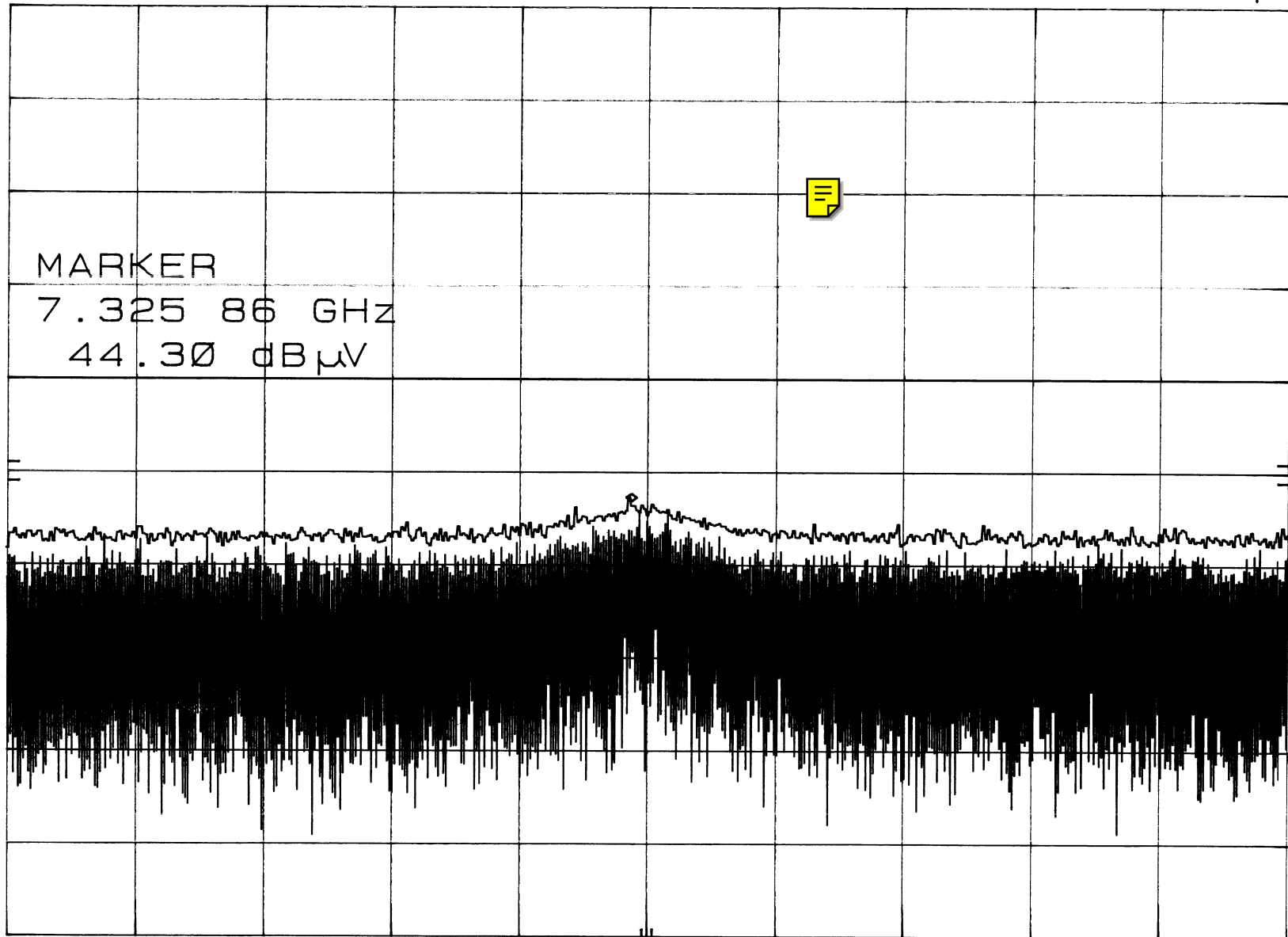
MARKER
7.325 86 GHz
44.30 dB μ V

CORR'D

CENTER 7.326 0 GHz
RES BW 1 MHz

VBW 1 MHz

SPAN 10.0 MHz
SWP 20.0 msec



AVERAGE OF 3RD HARMONIC

MKR 7.325 891 9 GHz
35.26 dB μ V

hp REF 45.0 dB μ V ATTEN 0 dB

LINEAR

DL
40.5
dB μ V

MARKER
7.325 891 9 GHz
35.26 dB μ V



CORR'D

CENTER 7.325 930 GHz
RES BW 1 MHz

VBW 10 Hz

SPAN 140 kHz
SWP 50.0 sec

Test location: Compatible Electronics
 Customer : XIRCOM, INC. Date : 3/ 5/2001
 Manufacturer : XIRCOM, INC. Time : 12.00
 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 POLARIZATION 30 MHz TO 1000 MHz
 SPURIOUS EMISSIONS
 TEMPERATURE 55 DEGREES F., RELATIVE HUMIDITY 75%
 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	44.00	1.81	8.12	38.55	15.38	30.00	-14.62
2V	109.41	49.20	2.08	9.44	38.89	21.82	30.00	-8.18
3V	114.64	50.30	2.12	9.88	38.99	23.30	30.00	-6.70
4V	120.09	49.70	2.16	10.35	39.10	23.11	30.00	-6.89
5V	145.33	47.00	2.44	12.83	38.87	23.40	30.00	-6.60
6V	150.13	49.30	2.50	12.96	38.80	25.96	30.00	-4.04
7V	247.96	49.30	3.58	16.35	38.80	30.43	37.00	-6.57
8V	344.13	46.30	4.06	14.70	38.90	26.17	37.00	-10.83
9V	368.77	45.20	4.18	15.68	38.79	26.26	37.00	-10.74
10V	405.63	43.60	4.31	16.90	38.59	26.22	37.00	-10.78
11V	442.46	40.20	4.38	16.83	38.52	22.90	37.00	-14.10
12V	449.87	45.30	4.40	16.82	38.50	28.02	37.00	-8.98
13V	456.13	43.60	4.44	16.81	38.52	26.32	37.00	-10.68
14V	493.92	45.70	4.66	16.74	38.68	28.43	37.00	-8.57
15V	547.86	41.10	4.99	16.53	38.41	24.21	37.00	-12.79
16V	679.80	38.70	5.78	18.65	38.56	24.57	37.00	-12.43

Test location: Compatible Electronics
 Customer : XIRCOM, INC. Date : 3/ 5/2001
 Manufacturer : XIRCOM, INC. Time : 13.52
 EUT name : REALPORT2 BLUETOOTH ADAPTER Model: R2BT
 Specification: Cispr_B Test distance: 10.0 mtrs Lab: D
 Distance correction factor(20*log(test/spec)) : 0.00
 Test Mode : REALPORT2 BLUETOOTH 16 BIT TYPE III PC CARD ADAPTER
 VERTICAL POLARIZATION 30 MHz TO 1000 MHz
 SPURIOUS EMISSIONS
 TEMPERATURE 55 DEGREES F., RELATIVE HUMIDITY 75%
 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	125.89	37.00	2.21	11.67	39.19	11.70	30.00	-18.30
2H	137.51	48.00	2.35	12.52	39.00	23.87	30.00	-6.13
3H	160.71	42.90	2.76	13.64	38.80	20.50	30.00	-9.50
4H	241.45	46.10	3.50	16.14	38.80	26.94	37.00	-10.06
5H	344.18	47.30	4.07	14.71	38.90	27.17	37.00	-9.83
6H	383.88	44.20	4.24	16.27	38.70	26.01	37.00	-10.99
7H	307.31	48.10	3.84	13.25	38.90	26.29	37.00	-10.71
8H	383.88	42.70	4.24	16.27	38.70	24.51	37.00	-12.49
9H	456.68	50.00	4.44	16.81	38.53	32.72	37.00	-4.28
10H	534.89	44.50	4.91	16.59	38.49	27.51	37.00	-9.49

Test location: Compatible Electronics
Customer : XIRCOM, INC. Date : 3/ 5/2001
Manufacturer : XIRCOM, INC. Time : 14.42
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
TEMPERATURE 55 DEGREES F., RELATIVE HUMIDITY 75%
SPURIOUS EMISSIONS FROM THE EUT
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***



-20 dB BANDWIDTH OF FUNDAMENTAL (LOW CHANNEL)

MKR Δ 356 KHz

hp

REF 3.0 dBm

ATTEN 20 dB

0.00 dB

10 dB/

DL
-37.0
dBm

MARKER Δ
356 KHz
0.00 dB

CORR'D

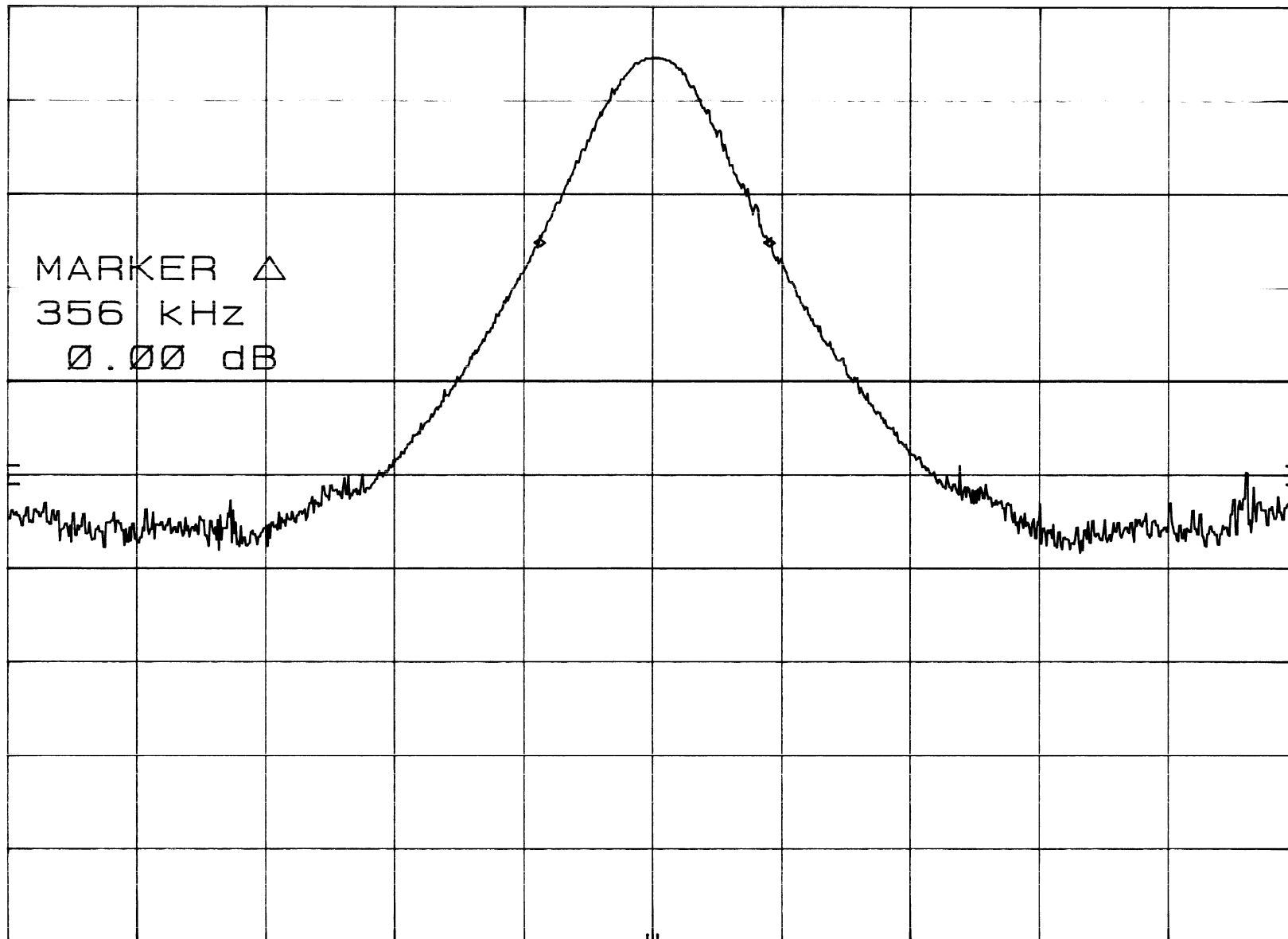
CENTER 2.402 00 GHz

RES BW 100 KHz

VBW 100 KHz

SPAN 2.00 MHz

SWP 20.0 msec

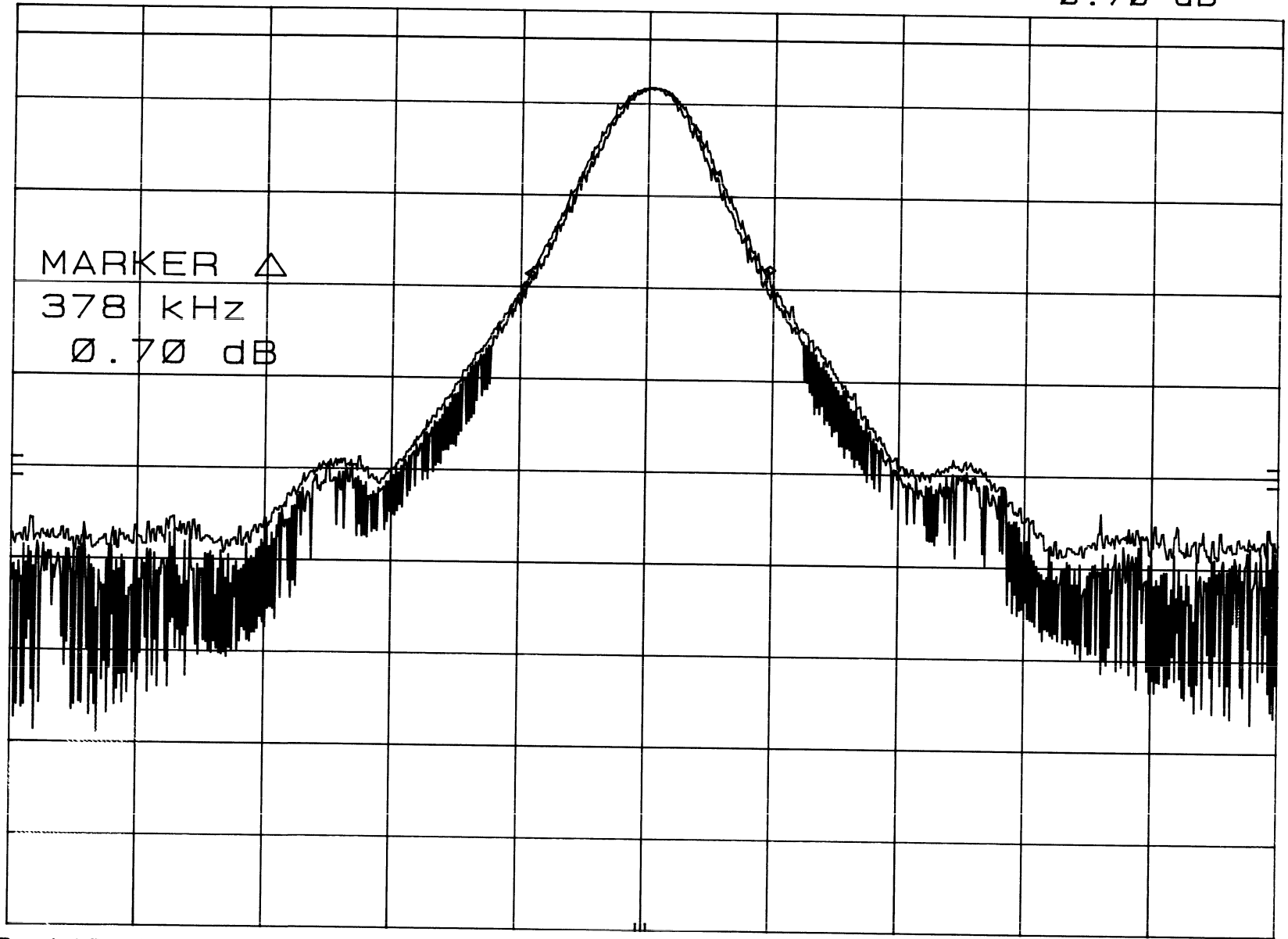


-20 dB BANDWIDTH OF MIDDLE CHANNEL
REF 3.0 dBm ATTEN 20 dB

MKR Δ 378 kHz
0.70 dB

hp
10 dB/

DL
0.0
dBm



CENTER 2.442 00 GHz

RES BW 100 kHz

VBW 100 kHz

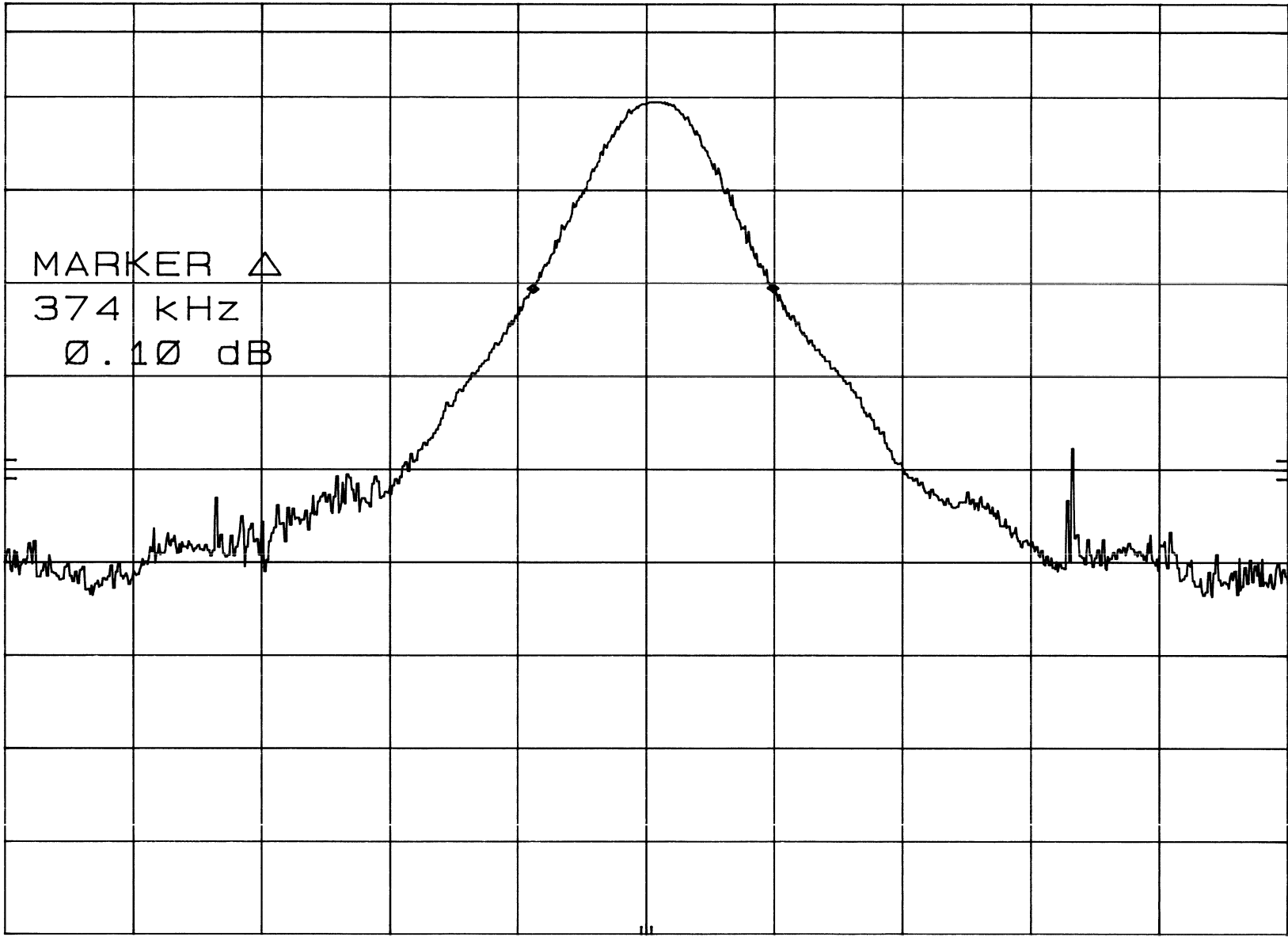
SPAN 2.00 MHz
SWP 20.0 msec

-20 dB BANDWIDTH OF HIGH CHANNEL
REF 3.0 dBm ATTEN 20 dB

MKR Δ 374 KHz
0.10 dB

hp
10 dB/

DL
0.0
dBm



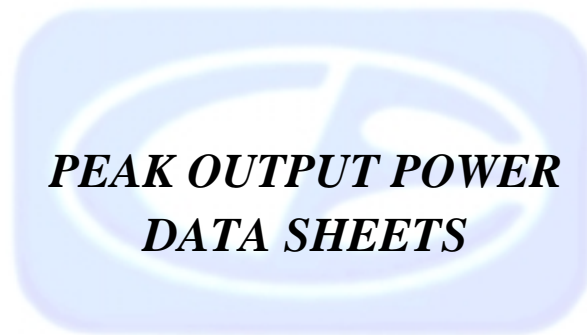
CENTER 2.480 00 GHz

RES BW 100 KHz

VBW 100 KHz

SPAN 2.00 MHz

SWP 20.0 msec

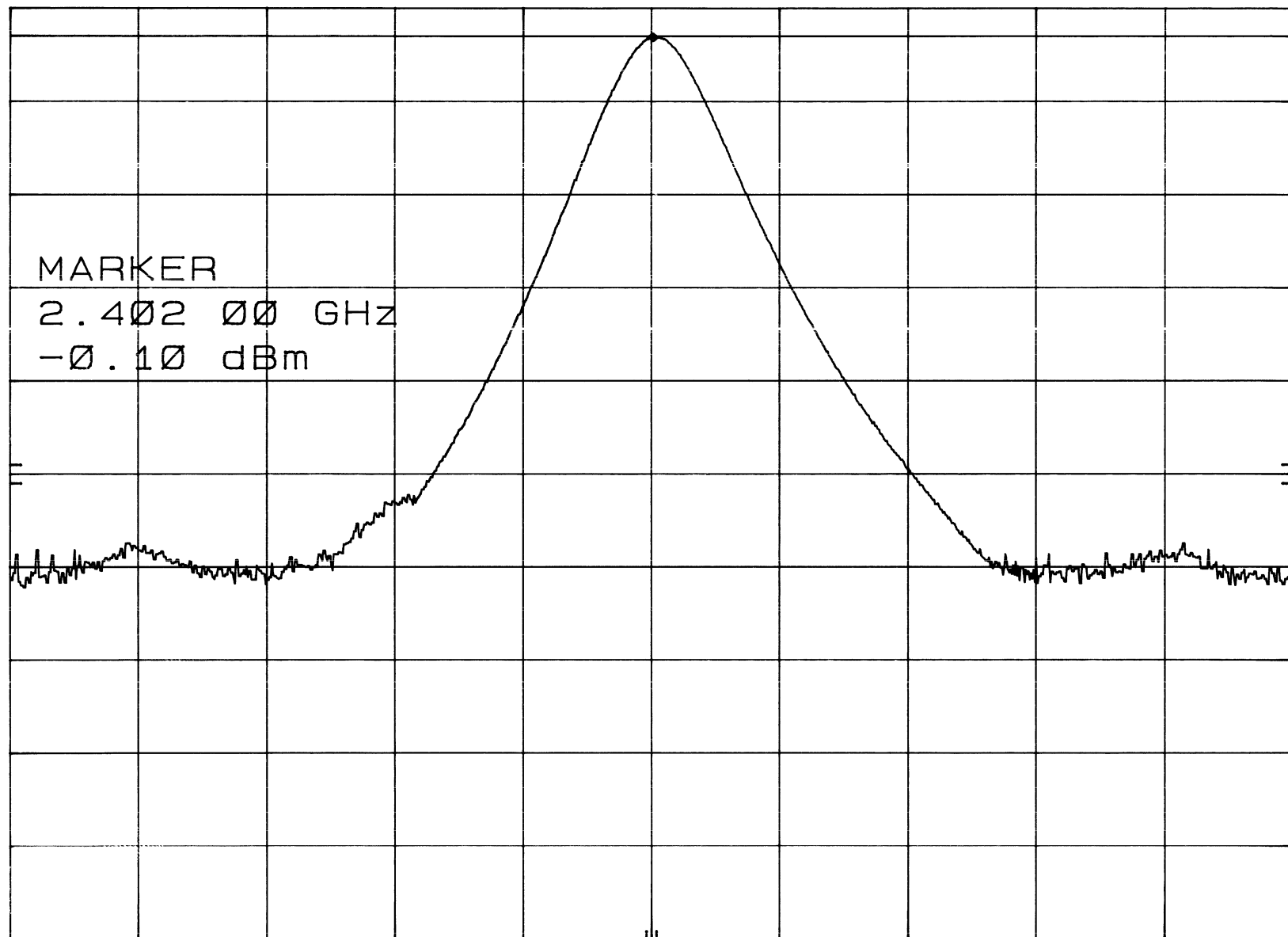


POWER OUTPUT OF LOW CHANNEL
REF 3.0 dBm ATTEN 20 dB

MKR 2.402 00 GHz
-0.10 dBm

hp

10 dB/



MARKER
2.402 00 GHz
-0.10 dBm

DL
0.0
dBm

CORR'D

CENTER 2.402 0 GHz
RES BW 1 MHz

VBW 1 MHz

SPAN 20.0 MHz
SWP 20.0 msec

POWER OUTPUT OF MIDDLE CHANNEL

MKR 2.442 10 GHz

hp

REF 3.0 dBm

ATTEN 20 dB

-5.20 dBm

10 dB/

DL
0.0
dBm

MARKER

2.442 10 GHz

-5.20 dBm

CORR'D

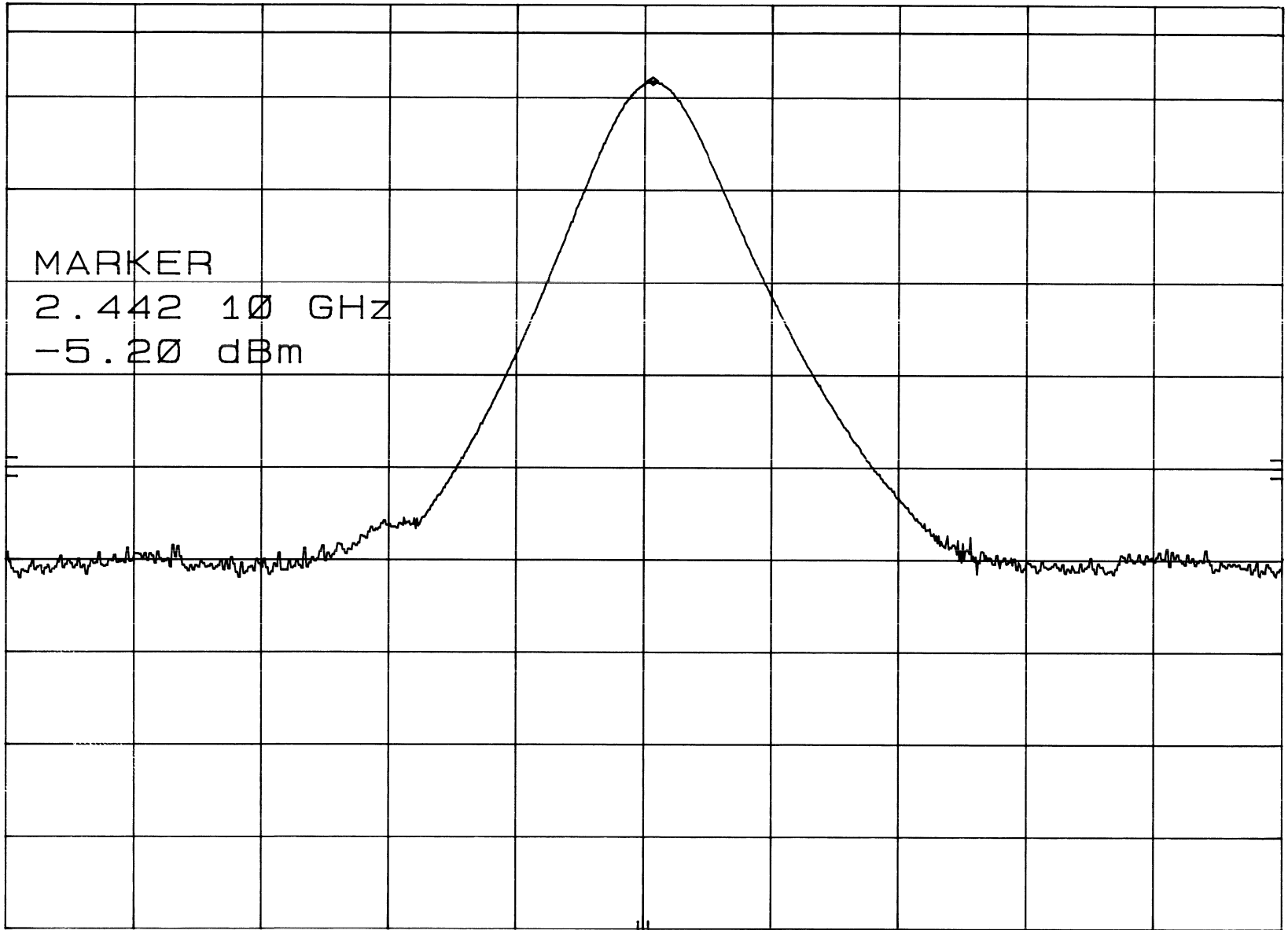
CENTER 2.442 0 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 20.0 MHz

SWP 20.0 msec



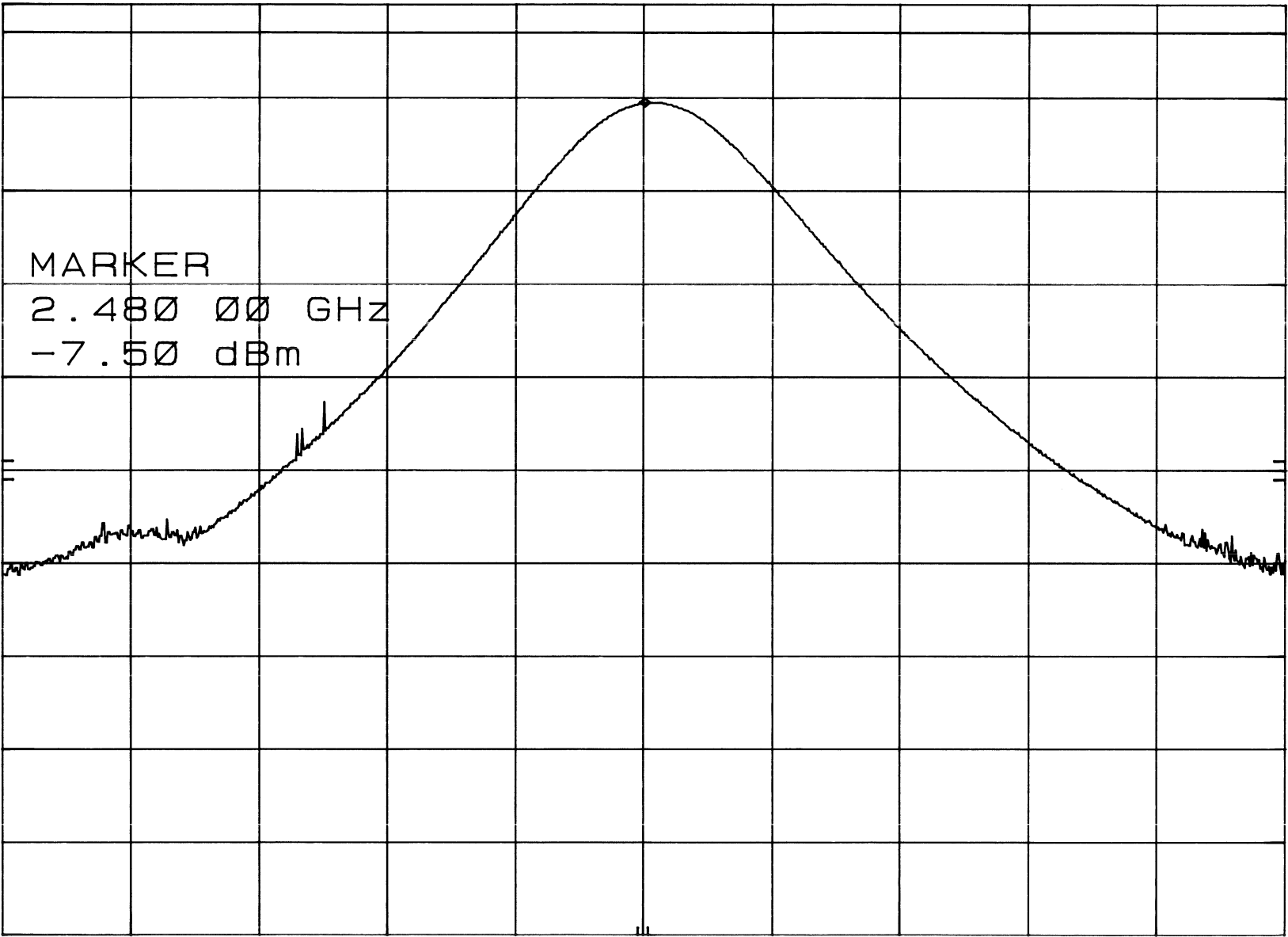
POWER OUTPUT OF HIGH CHANNEL
REF 3.0 dBm ATTEN 20 dB

MKR 2.480 00 GHz
-7.50 dBm

hp

10 dB/

DL
0.0
dBm



CENTER 2.480 0 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 10.0 MHz

SWP 20.0 msec



***RF ANTENNA CONDUCTED
DATA SHEETS***



RF ANT. COND. TEST - LOW CHANNEL 2MHZ-2GHZ

MKR 1.201 GHz

hp

REF 3.0 dBm

ATTEN 20 dB

-51.10 dBm

10 dB/

DL
-21.6
dBm

MARKER
1.201 GHz
-51.10 dBm

CORR'D

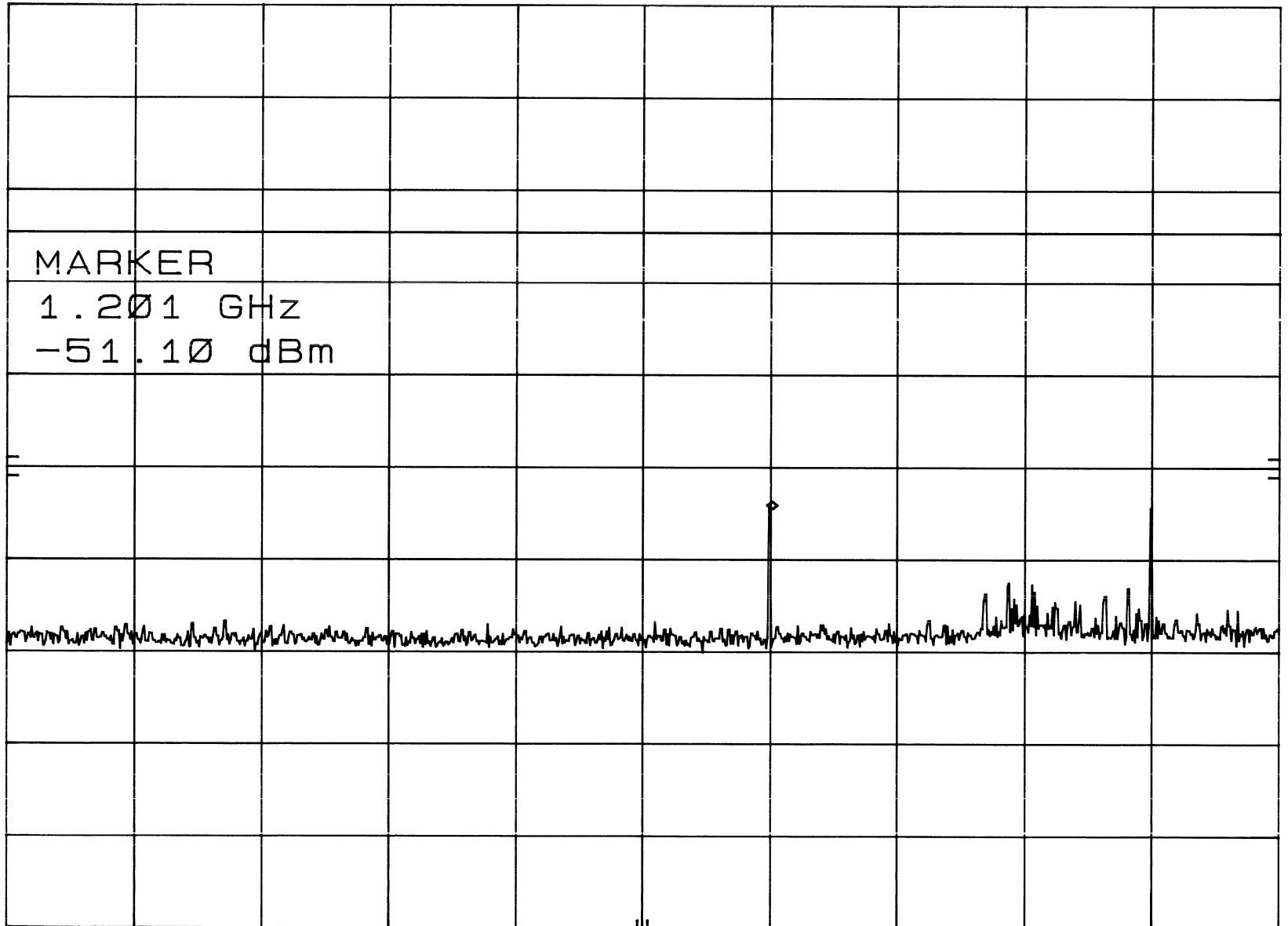
START 2 MHz

RES BW 100 kHz

VBW 300 kHz

STOP 2.00 GHz

SWP 599 msec



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

MKR 2.400 GHz

hp

REF 3.0 dBm

ATTEN 20 dB

-1.60 dBm

10 dB/

MARKER

2.400 GHz

DL
-21.6
dBm

-1.60 dBm

CORR'D

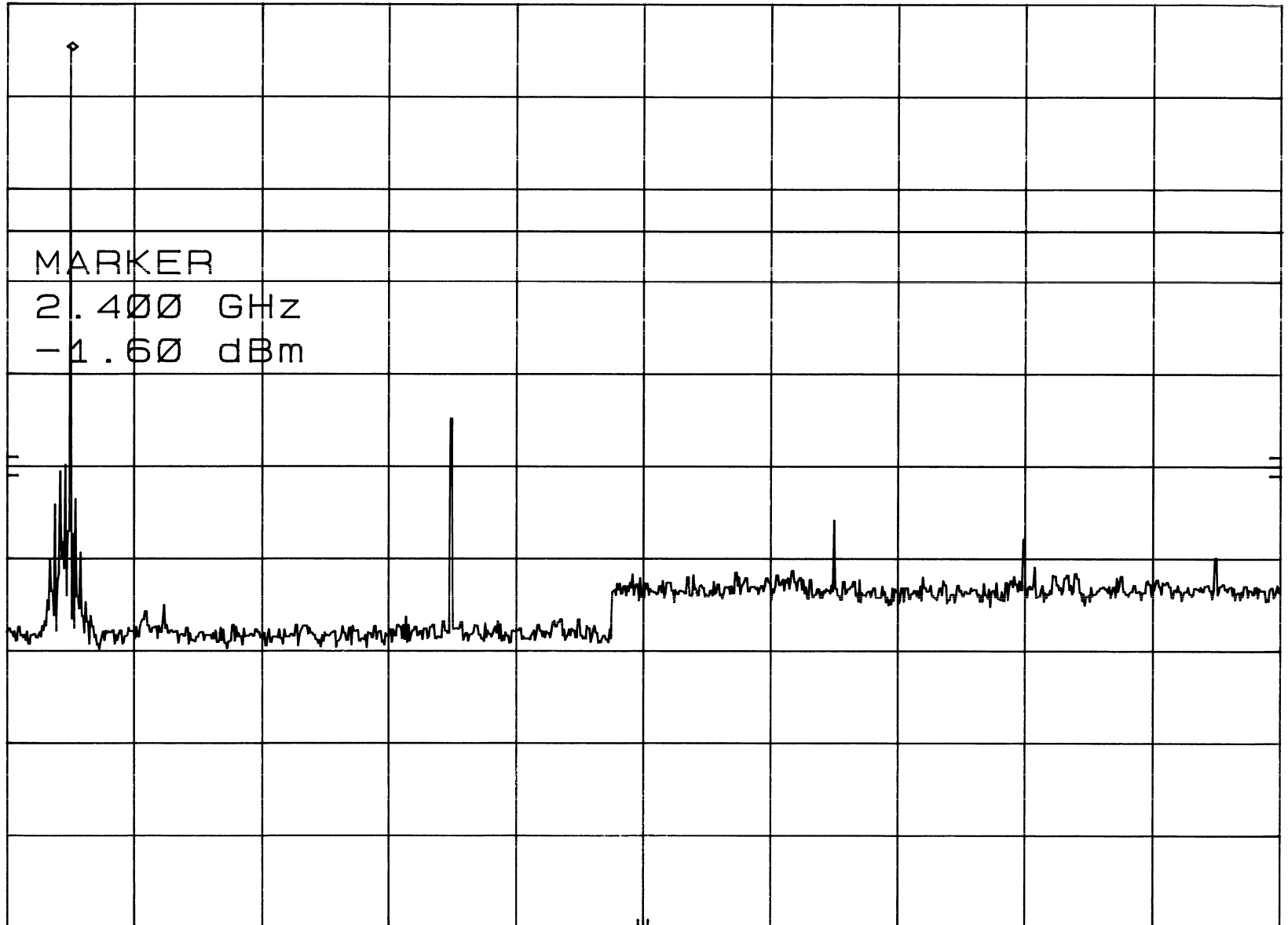
START 2.00 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 10.00 GHz

SWP 2.40 sec



RF ANT. COND. TEST - LOW CHANNEL 10-20GHz

MKR 19.37 GHz

hp

REF 3.0 dBm

ATTEN 20 dB

-50.90 dBm

10 dB/

MARKER

19.37 GHz

-50.90 dBm

DL
-21.6
dBm

CORR'D

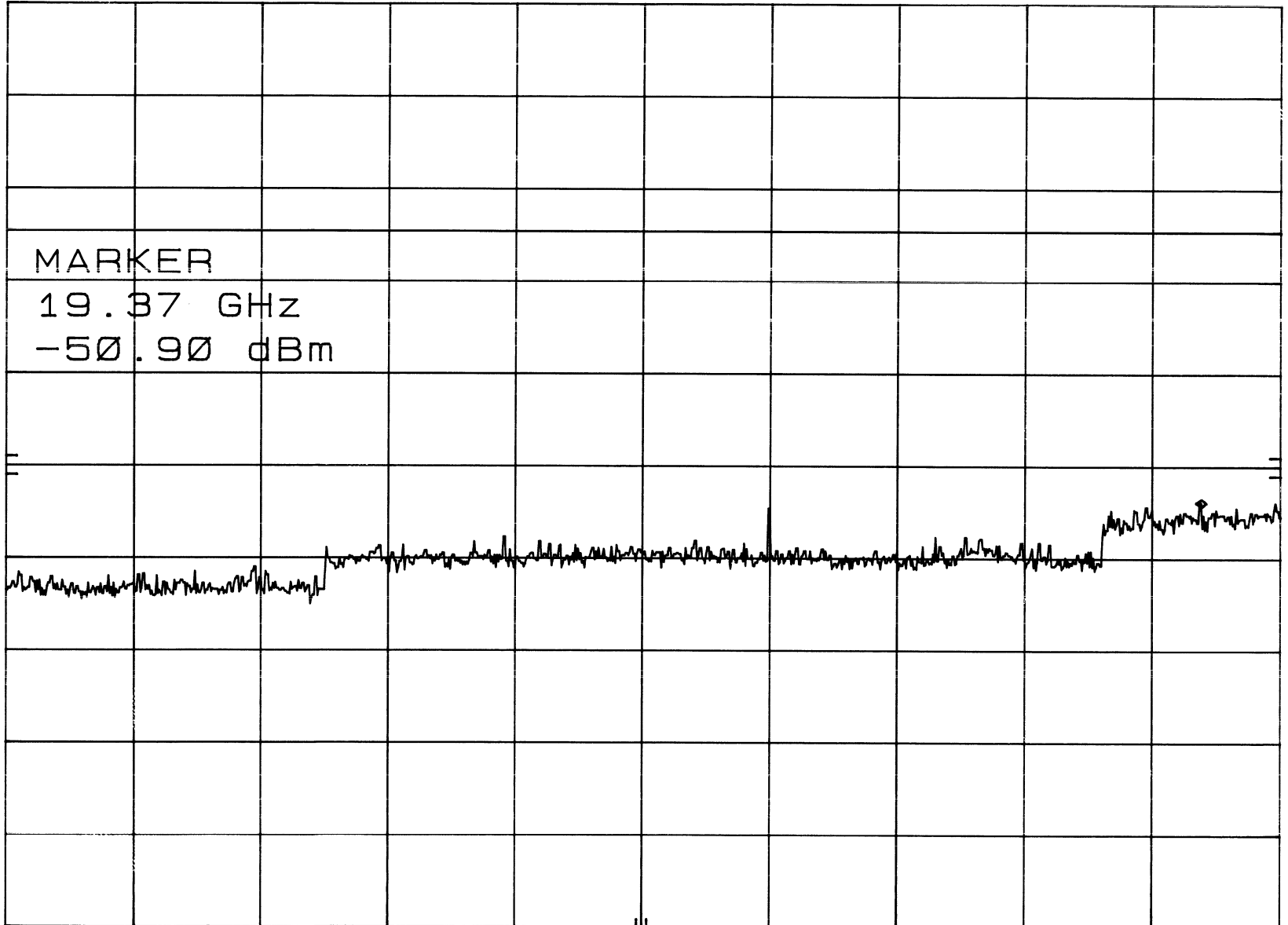
START 10.0 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 20.0 GHz

SWP 3.00 sec



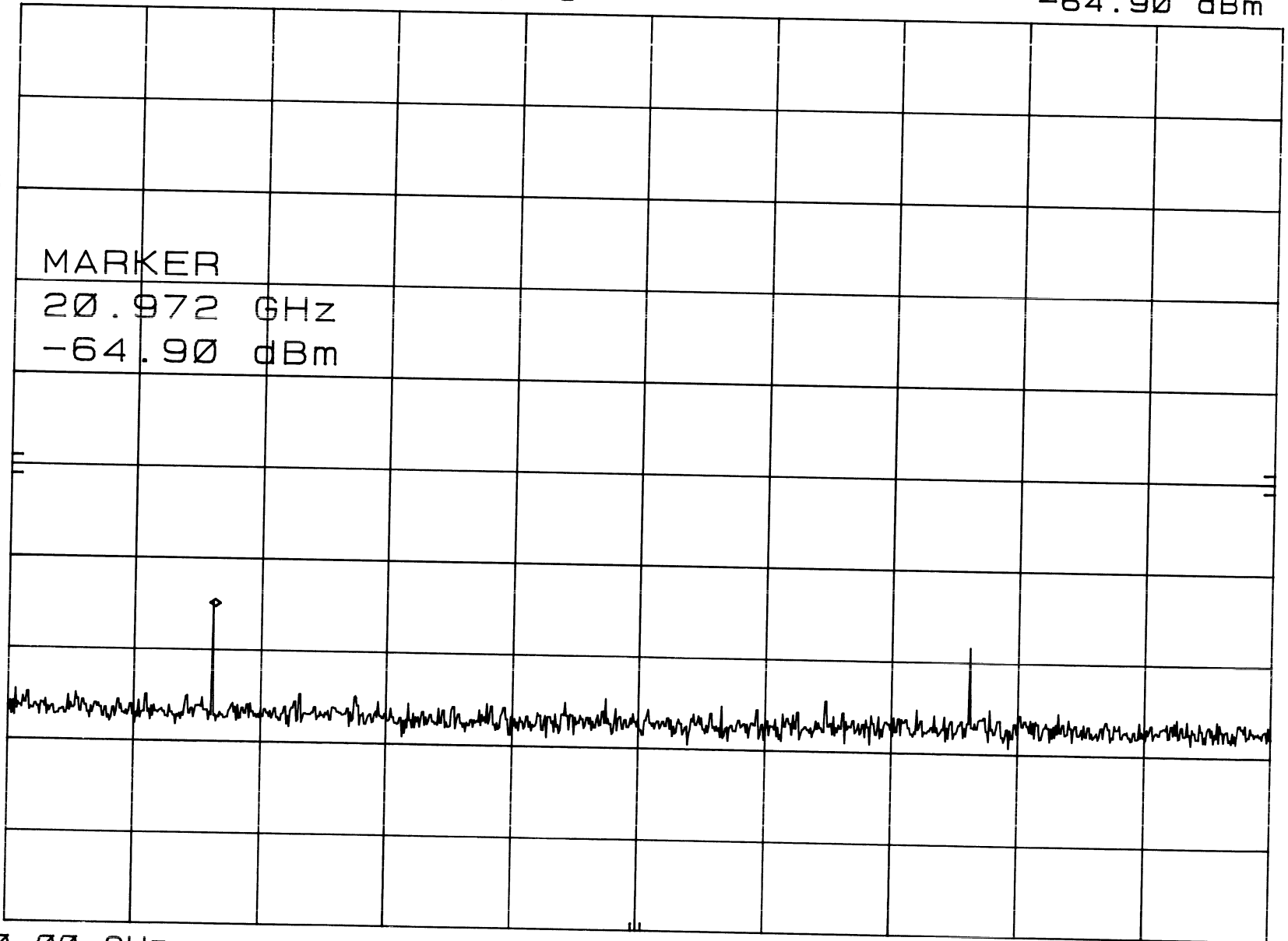
RF ANT. COND. TEST - LOW CHANNEL 20-26GHZ
REF 0.0 dBm HARMONIC 6

MKR 20.972 GHz
-64.90 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 ANT. COND. TEST - MID CHANNEL 2MHZ-2GHZ
REF 3.0 dBm ATTEN 20 dB

MKR 1.221 GHz
-52.00 dBm

hp

10 dB/

MARKER

1.221 GHz
-52.00 dBm

DL
-25.2
dBm

CORR'D

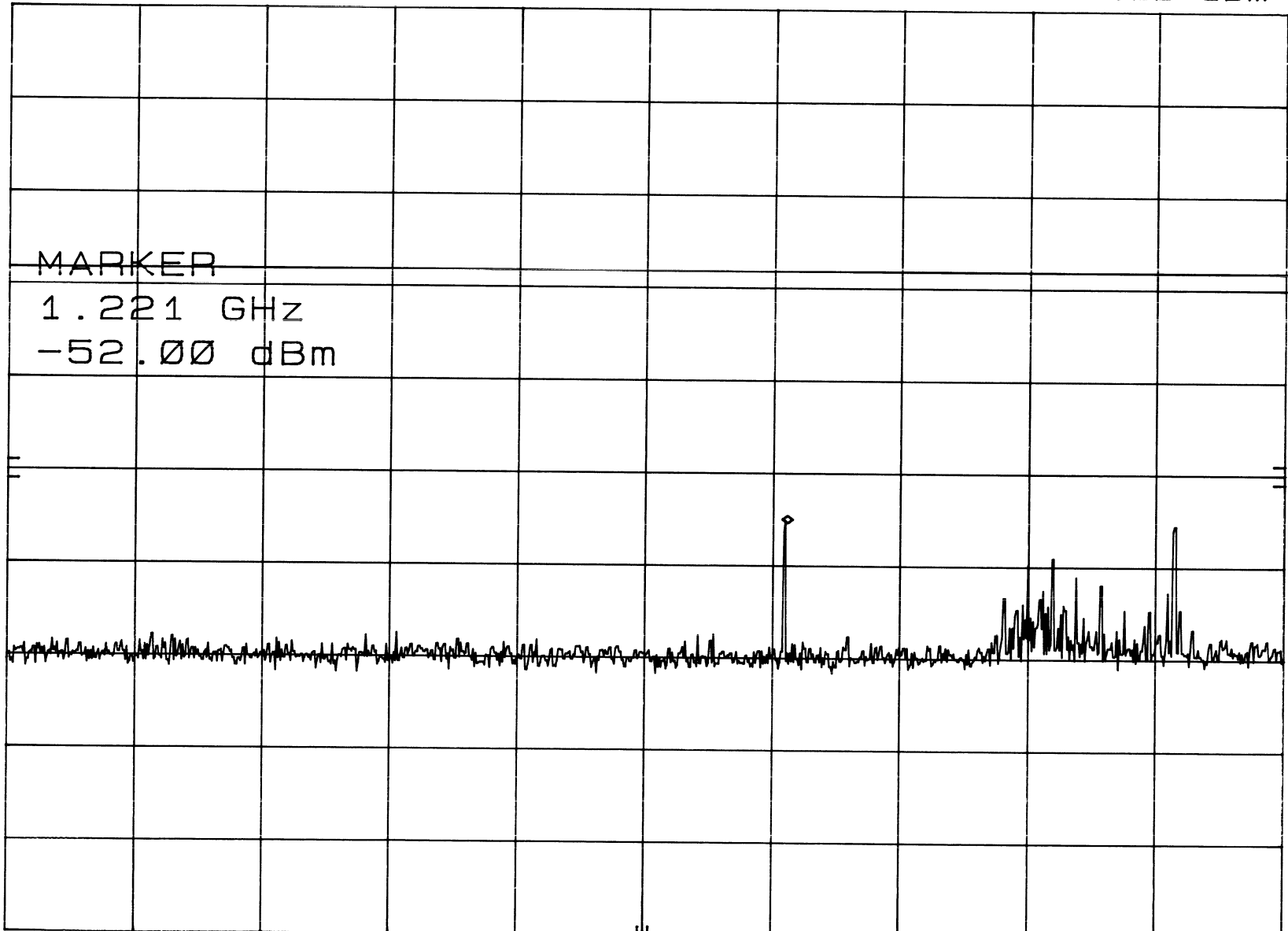
START 2 MHz

RES BW 100 KHz

VBW 300 KHz

STOP 2.00 GHz

SWP 599 msec



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

MKR 2.440 GHz

hp

REF 3.0 dBm

ATTEN 20 dB

-5.20 dBm

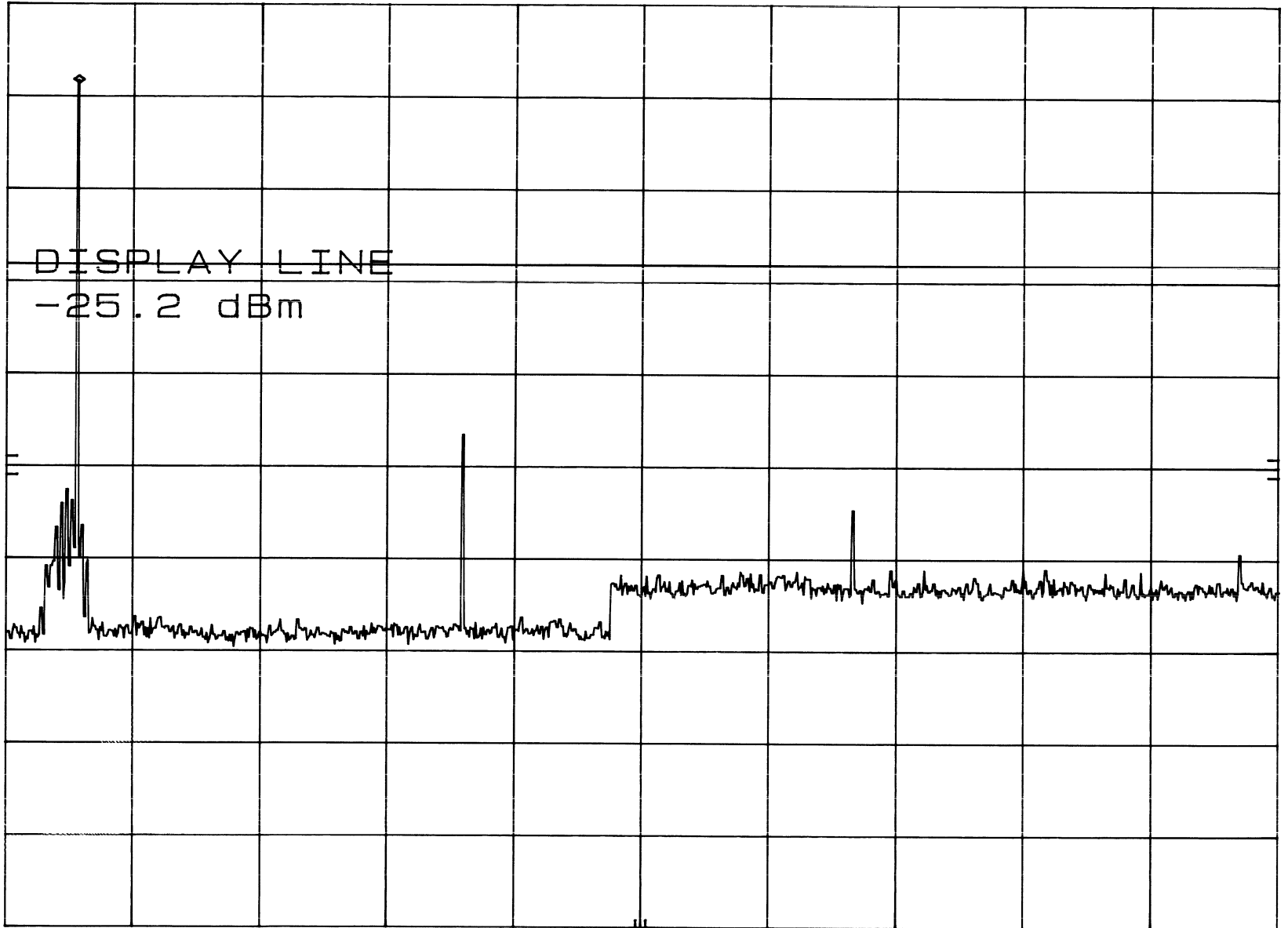
10 dB/

DISPLAY LINE

-25.2 dBm

DL
-25.2
dBm

CORR'D



START 2.00 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 10.00 GHz

SWP 2.40 sec

RF ANT. COND. TEST - MID CHANNEL 10-20GHZ

MKR 20.00 GHz

hp

REF 3.0 dBm

ATTEN 20 dB

-50.70 dBm

10 dB/

DL
-25.2
dBm

MARKER
20.00 GHz
-50.70 dBm

CORR'D

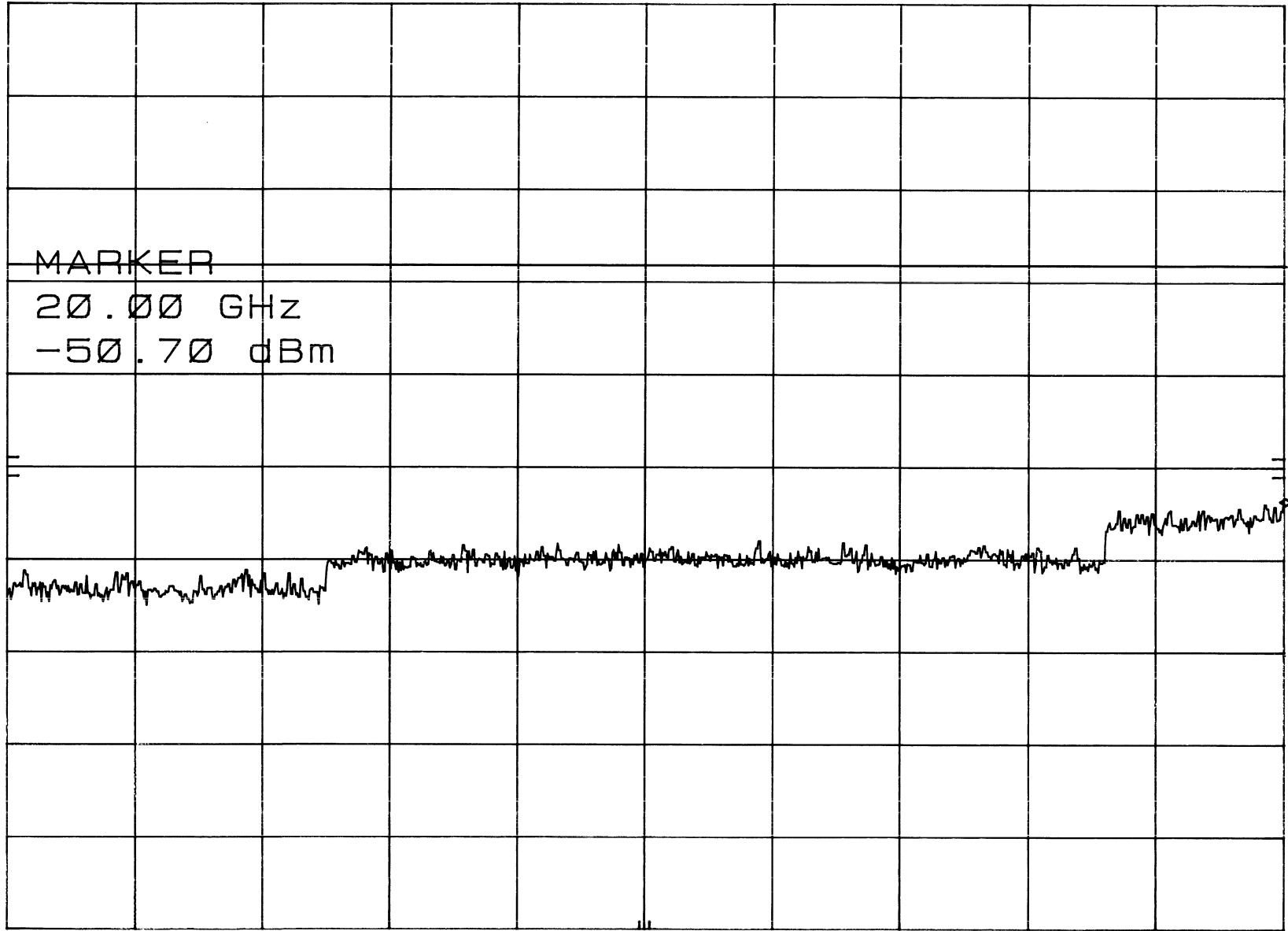
START 10.0 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 20.0 GHz

SWP 3.00 sec



RF ANT. COND. TEST - MID CHANNEL 20-26GHZ

MKR 20.816 GHz

hp

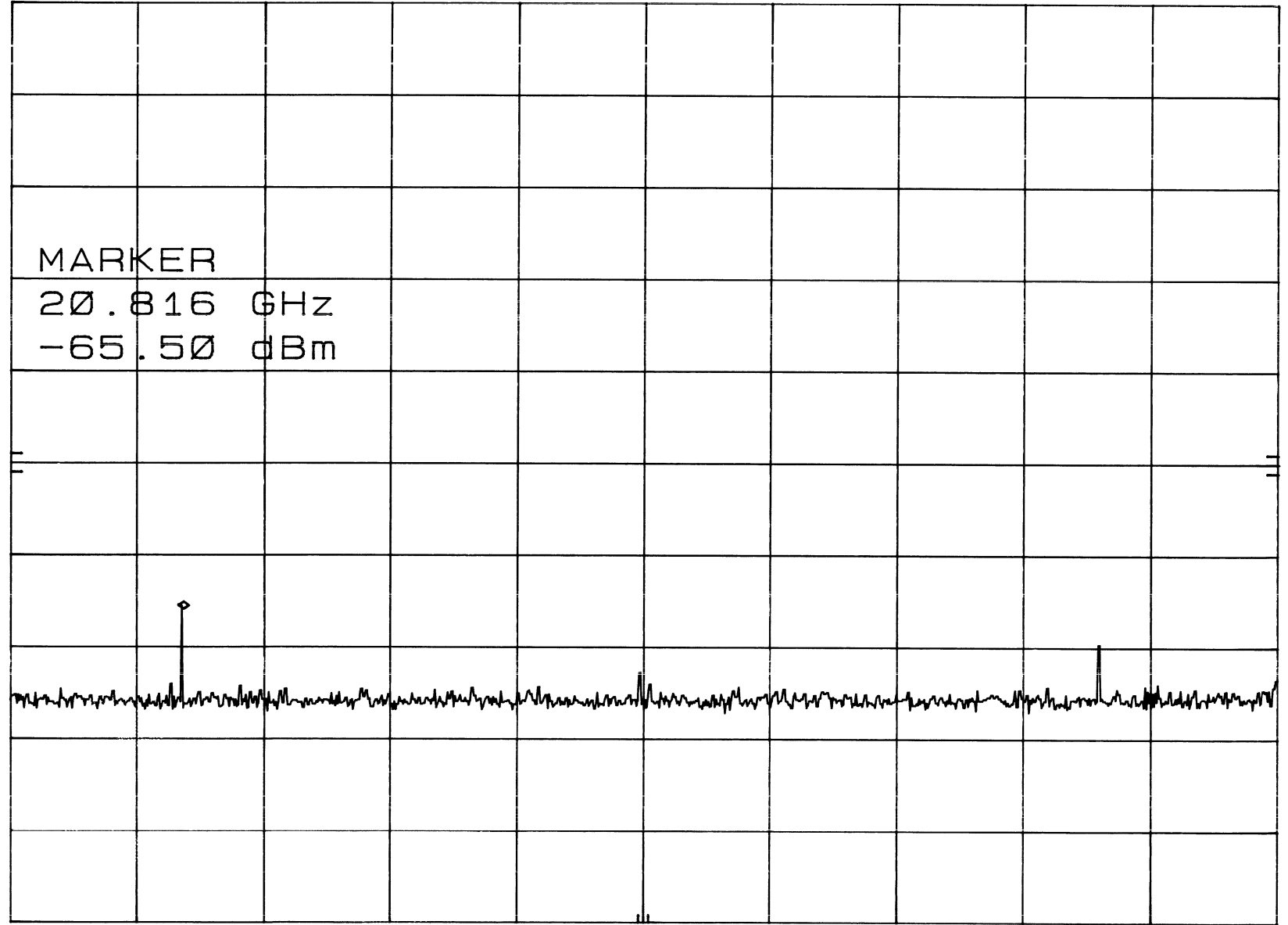
REF 0.0 dBm

HARMONIC 8L

-65.50 dBm

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

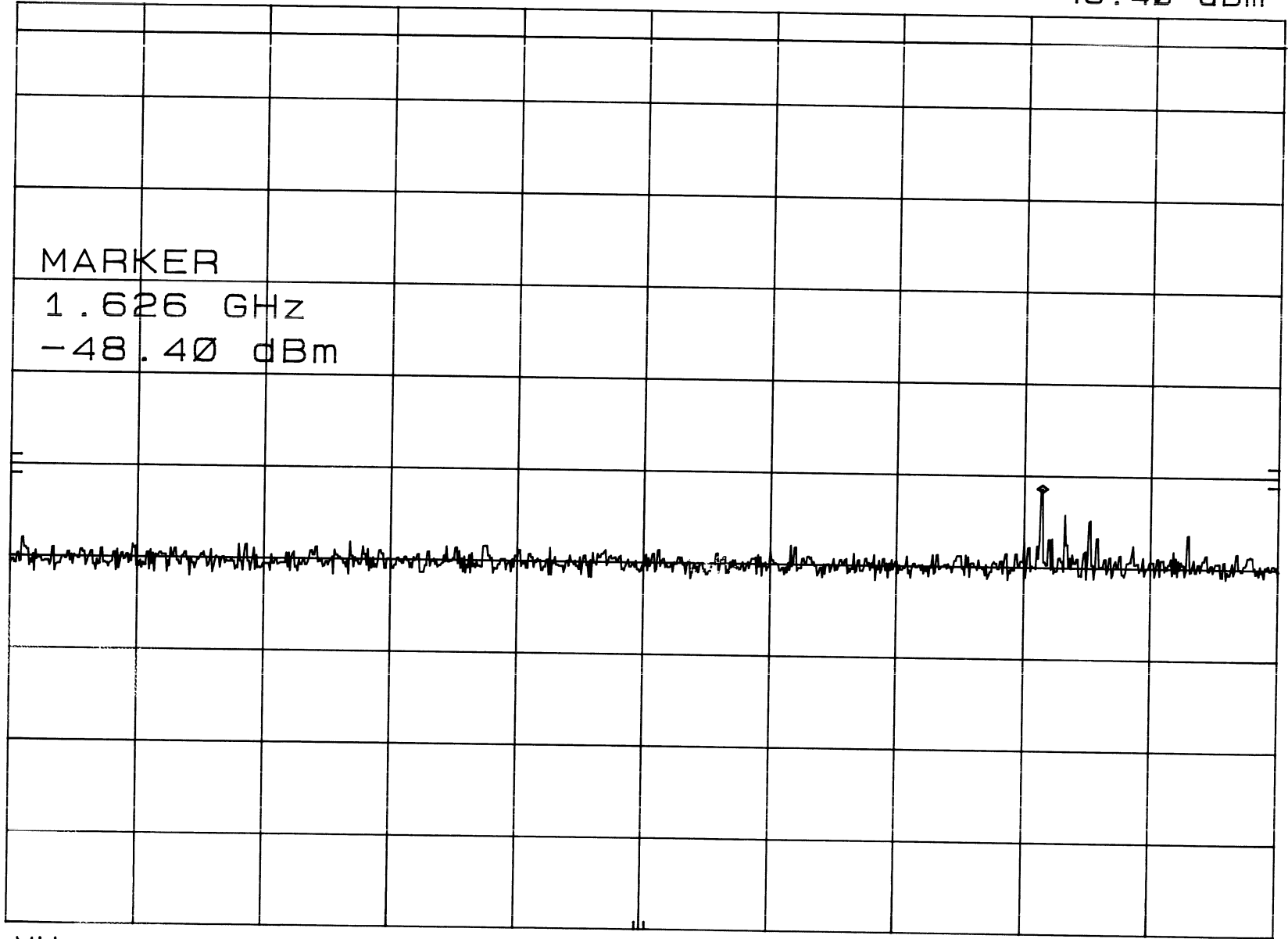
RF ANT. COND. TEST - HIGH CHANNEL 2MHZ-2GHZ MKR 1.626 GHz
REF 3.0 dBm ATTEN 20 dB -48.40 dBm

hp

10 dB/

DL
0.0
dBm

MARKER
1.626 GHz
-48.40 dBm



CORR'D

START 2 MHz RES BW 100 KHz VBW 300 KHz STOP 2.00 GHz SWP 599 msec

RF ANT. COND. TEST - HIGH CHANNEL 2-10GHZ

MKR 2.472 GHz

hp

REF 3.0 dBm

ATTEN 20 dB

-7.80 dBm

10 dB/

DL
0.0
dBm

MARKER
2.472 GHz
-7.80 dBm

CORR'D

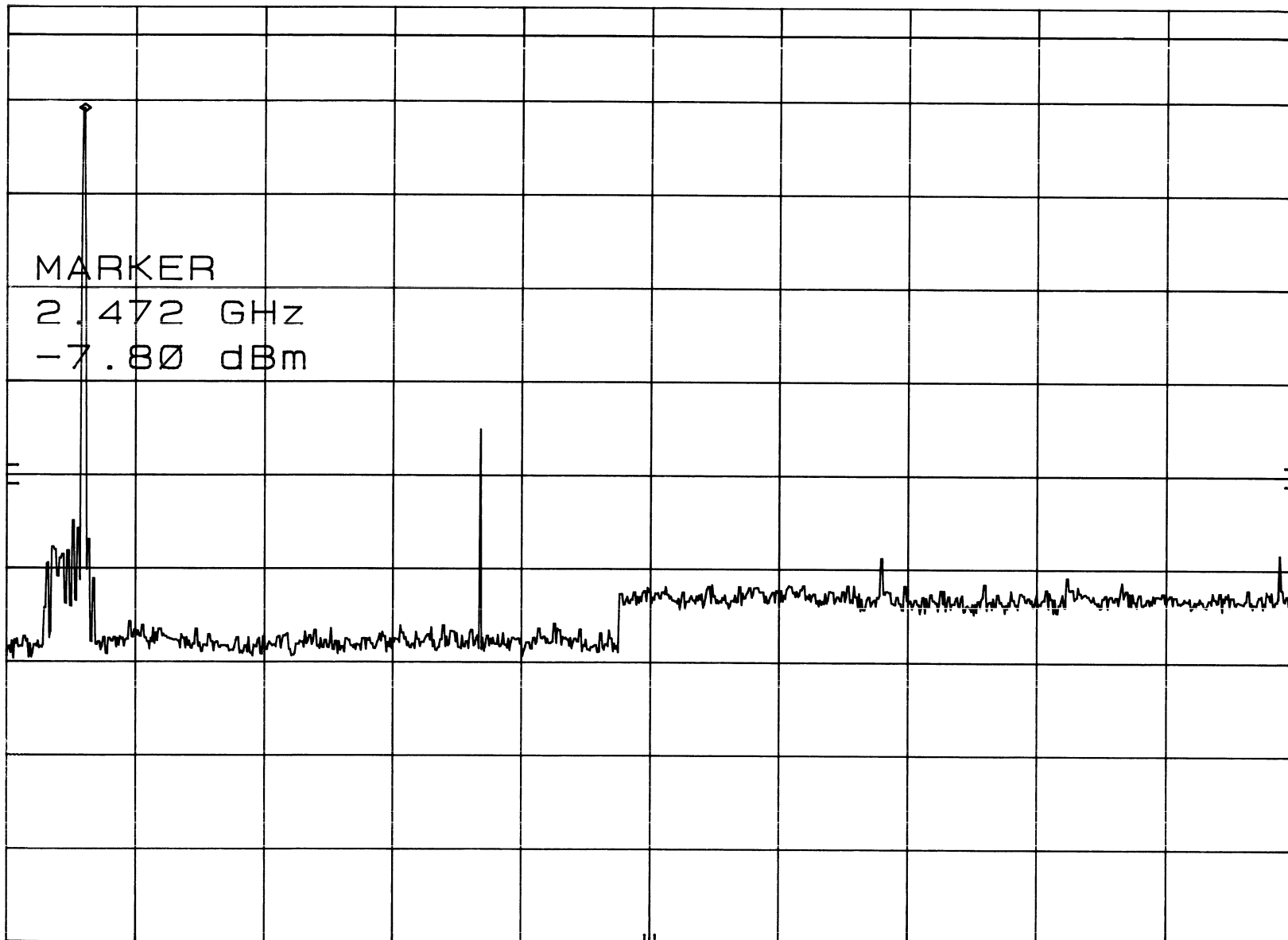
START 2.00 GHz

RES BW 100 kHz

VBW 300 kHz

STOP 10.00 GHz

SWP 2.40 sec



RF ANT. COND. TEST - HIGH CHANNEL 10-20 GHZ MKR 19.99 GHZ
REF 3.0 dBm ATTEN 20 dB -50.40 dBm

hp

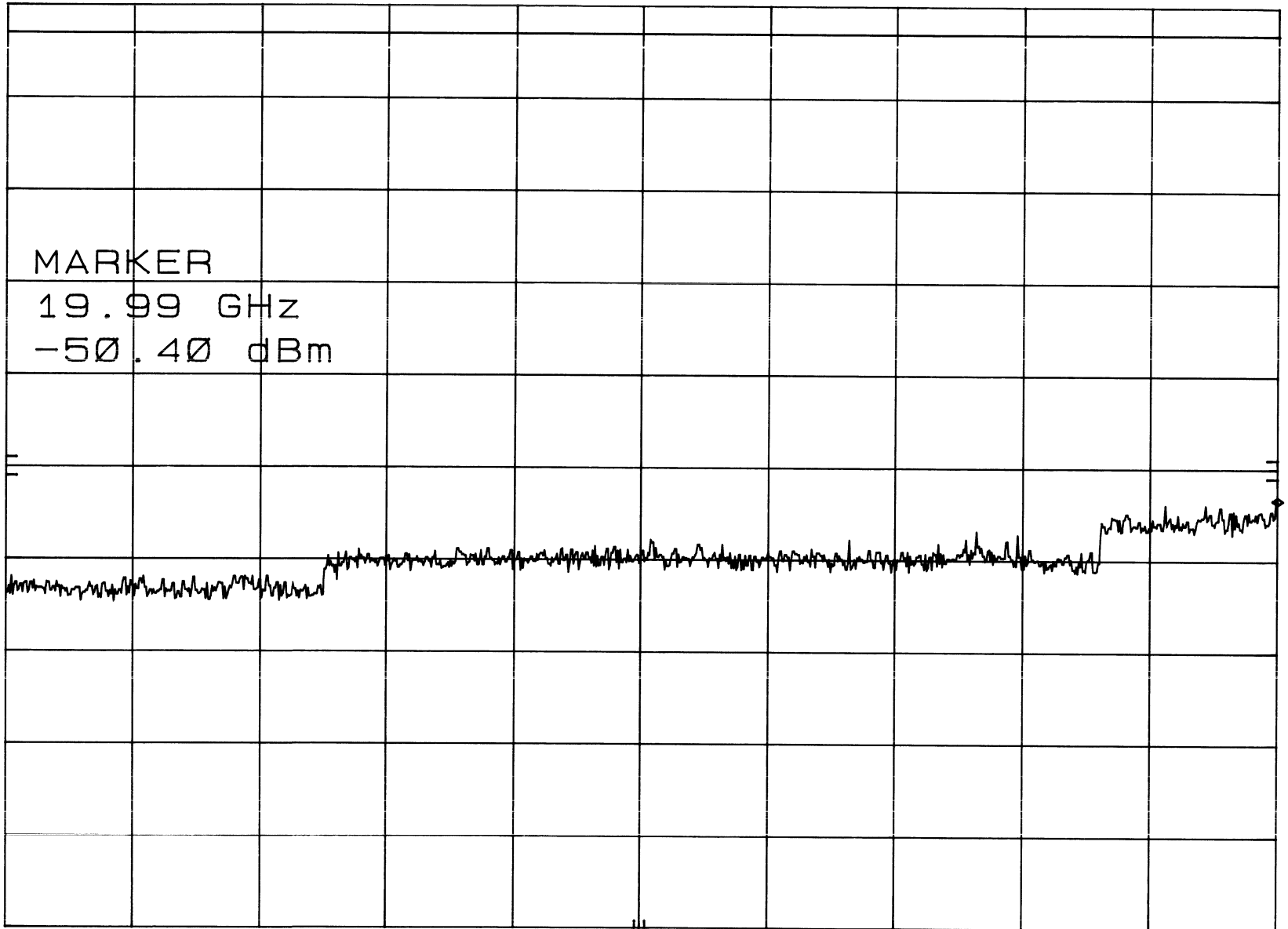
10 dB/

MARKER

19.99 GHz

-50.40 dBm

DL
0.0
dBm



CORR'D

START 10.0 GHz

RES BW 100 kHz

VBW 300 kHz

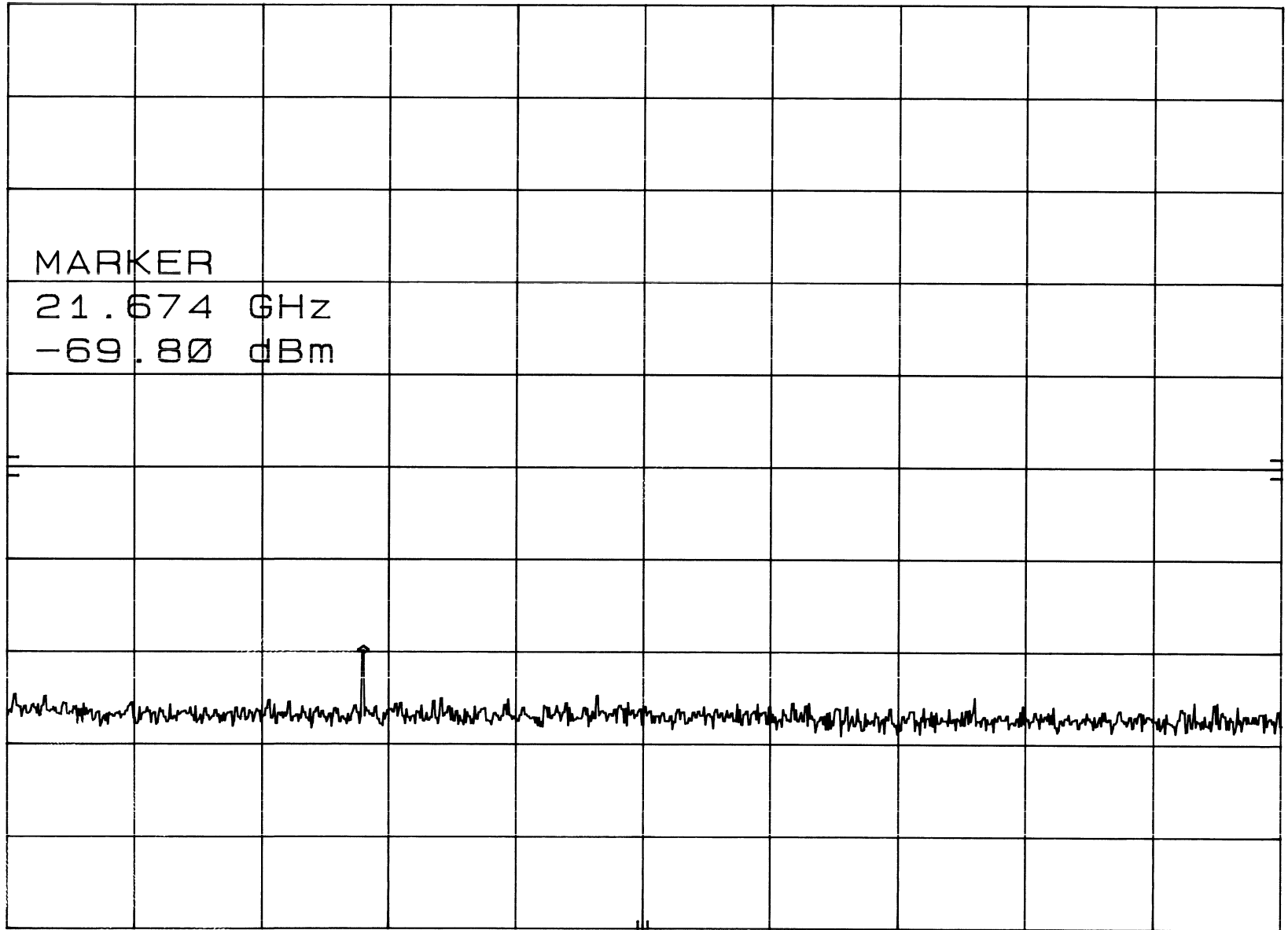
STOP 20.0 GHz

SWP 3.00 sec

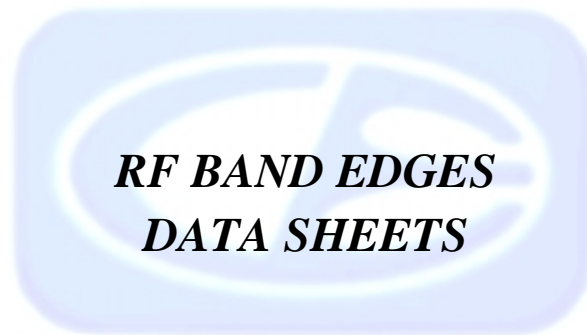
RF COND. ANT. TEST - HIGH CHANNEL 20-26GHz MKR 21.674 GHz
REF 0.0 dBm HARMONIC 6L -69.80 dBm

hp
10 dB/

CNVLOSS
22.0
dB



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



BAND EDGE OF LOW CHANNEL
REF 97.0 dB μ V ATTEN 10 dB

MKR 2.386 12 GHz
42.60 dB μ V

hp
10 dB/

DL
88.0
dB μ V

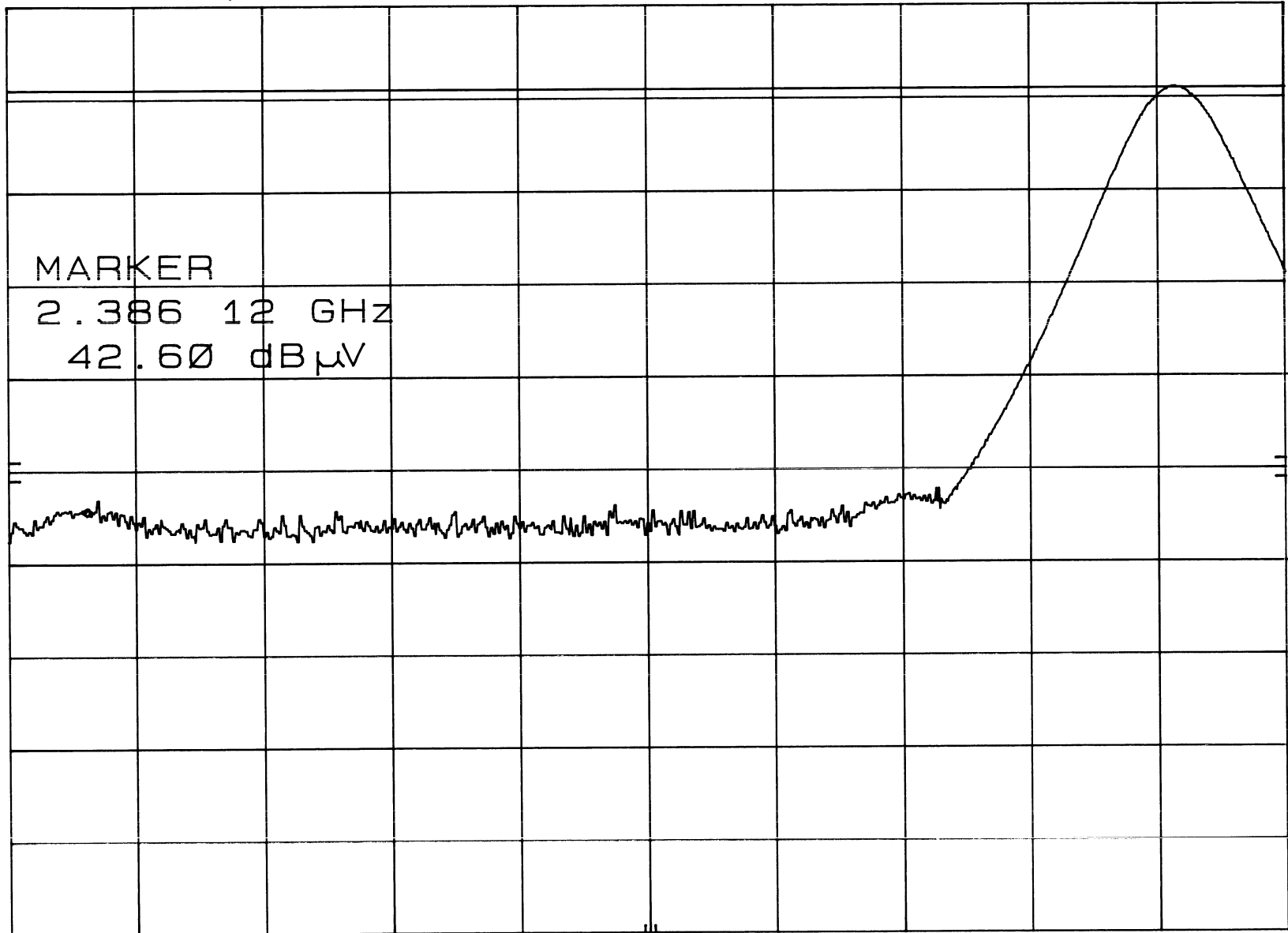
MARKER
2.386 12 GHz
42.60 dB μ V

CORR'D

START 2.385 0 GHz
RES BW 1 MHz

VBW 1 MHz

STOP 2.403 6 GHz
SWP 20.0 msec



BAND EDGE OF HIGH CHANNEL

MKR 2.483 50 GHz

hp

REF 97.0 dB μ V ATTEN 10 dB

40.90 dB μ V

10 dB/

MARKER

2.483 50 GHz

40.90 dB μ V

DL

76.1

dB μ V

CORR'D

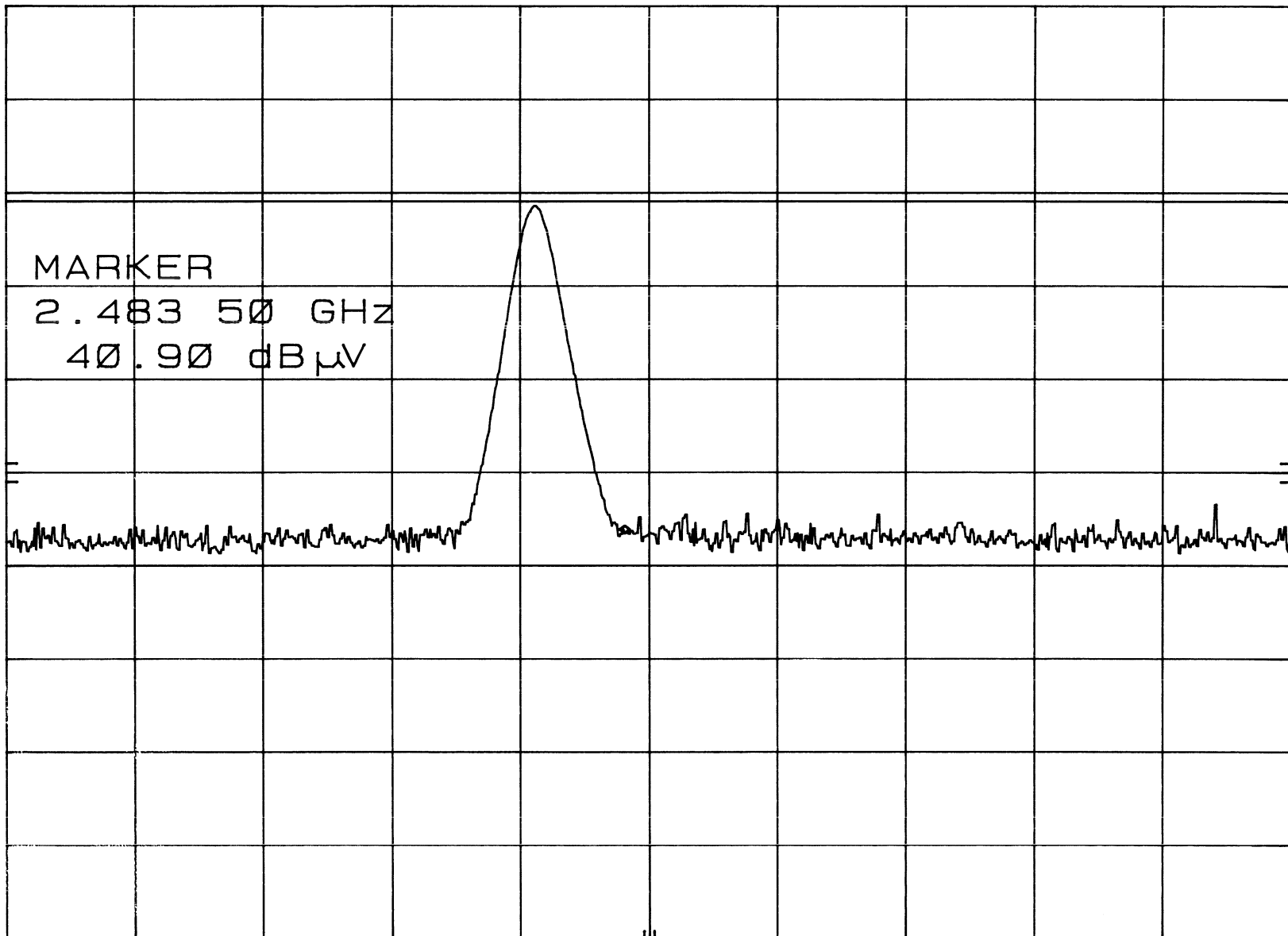
CENTER 2.484 5 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 50.0 MHz

SWP 20.0 msec





***CHANNEL FREQUENCY SEPARATION
DATA SHEETS***



CARRIER FREQUENCY SEPARATION

MKR Δ 999 kHz

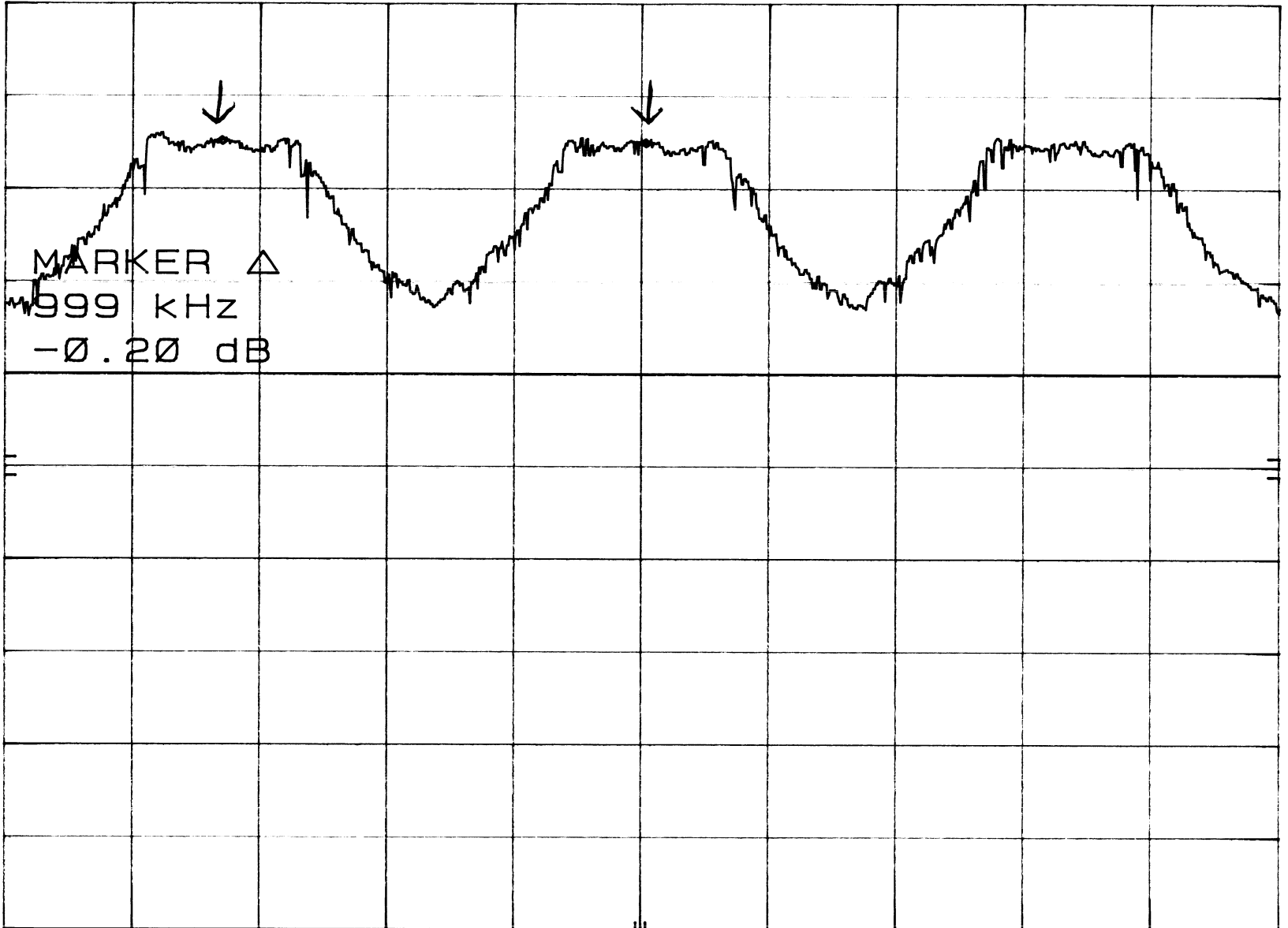
hp

REF 117.0 dB μ V ATTEN 20 dB

-0.20 dB

10 dB/

DL
77.0
dB μ V



CENTER 2.432 00 GHz

RES BW 100 kHz

VBW 100 kHz

SPAN 3.00 MHz

SWP 20.0 msec



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



NUMBER OF HOPPING FREQUENCIES

MKR 2.403 19 GHz

hp

REF 117.0 dB μ V ATTEN 20 dB

104.20 dB μ V

10 dB/

DL
77.0
dB μ V

MARKER
2.403 19 GHz
104.20 dB μ V



CORR'D

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***

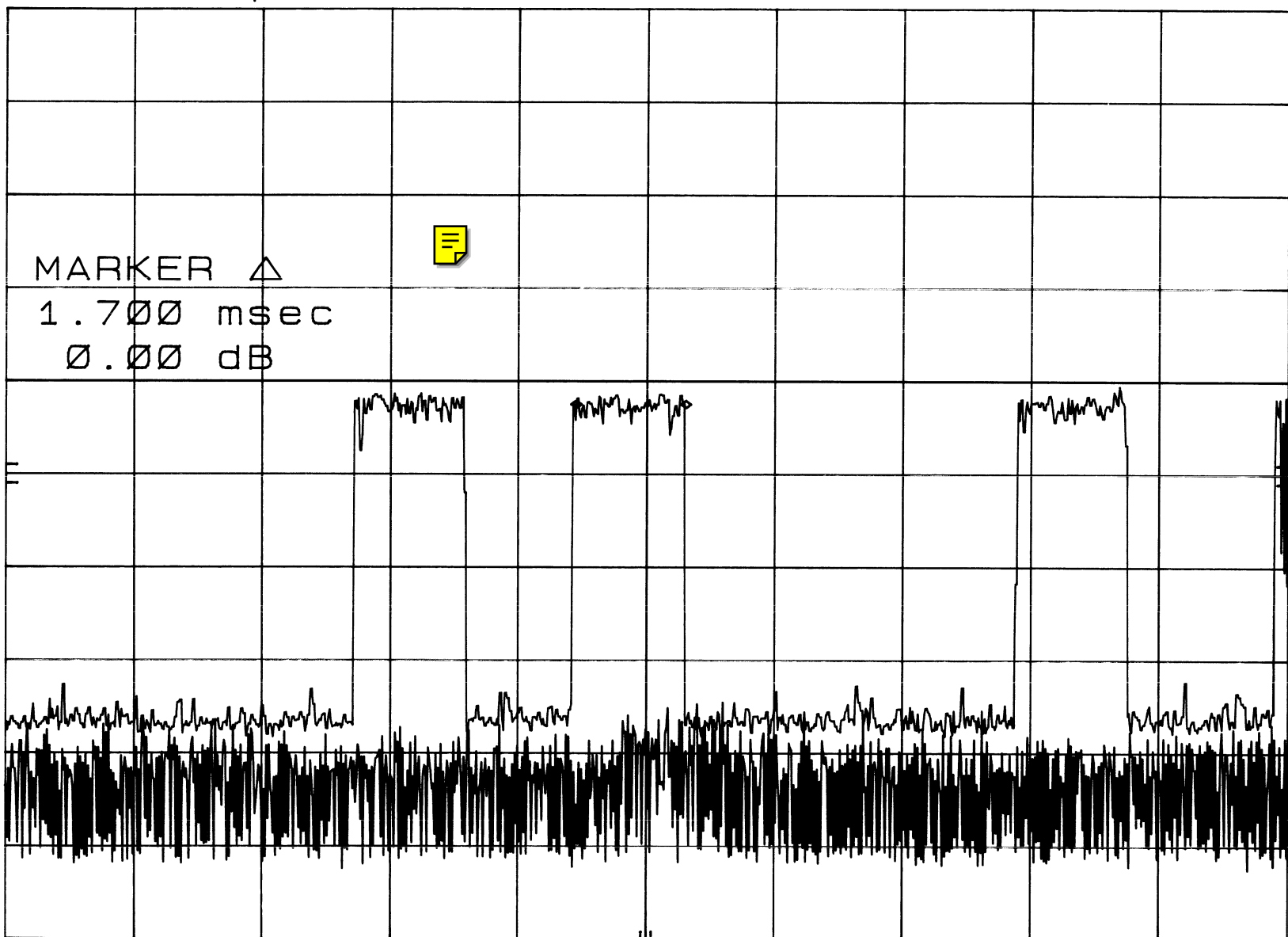


MKR Δ 1.700 msec
0.00 dB

hp REF 117.0 dB μ V ATTEN 20 dB

10 dB/

DL
77.0
dB μ V



MARKER Δ
1.700 msec
0.00 dB

CENTER 2.442 000 000 GHz SPAN 0 Hz
RES BW 100 KHz VBW 100 KHz SWP 20.0 msec

hp

REF 100.0 dB μ V ATTEN 10 dB

MKR 160.0 msec
55.70 dB μ V

10 dB/

DL
60.0
dB μ V

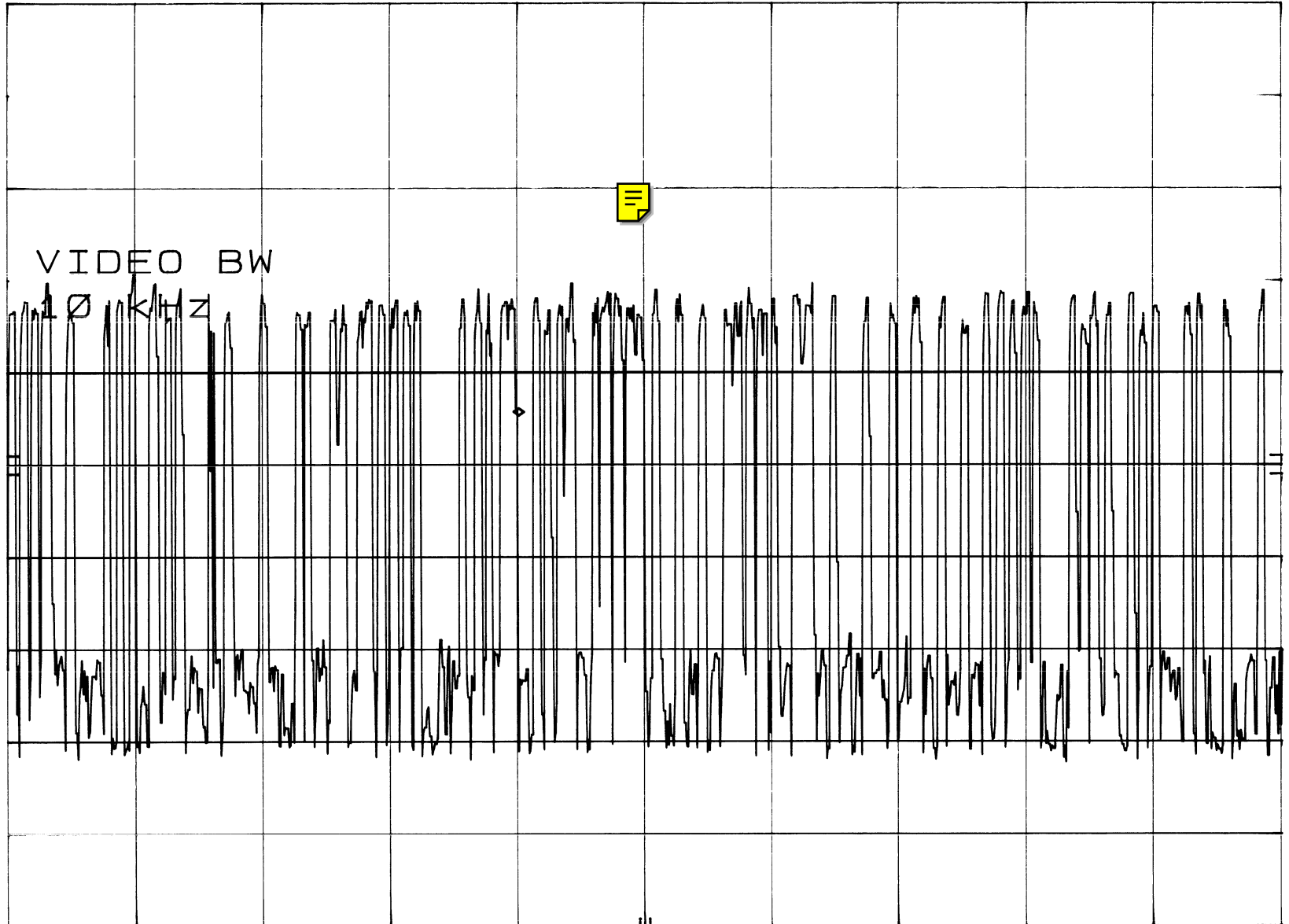
VIDEO BW
10 KHZ

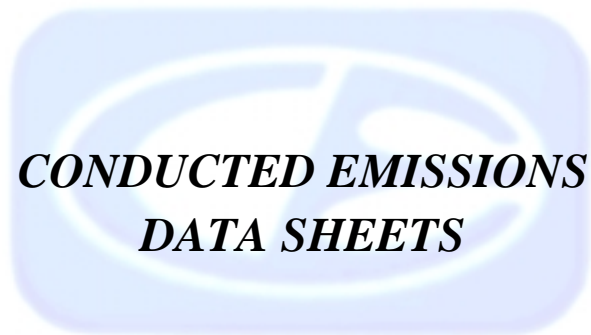
CORR'D

CENTER 2.442 000 000 GHz
RES BW 10 KHZ

VBW 10 KHZ

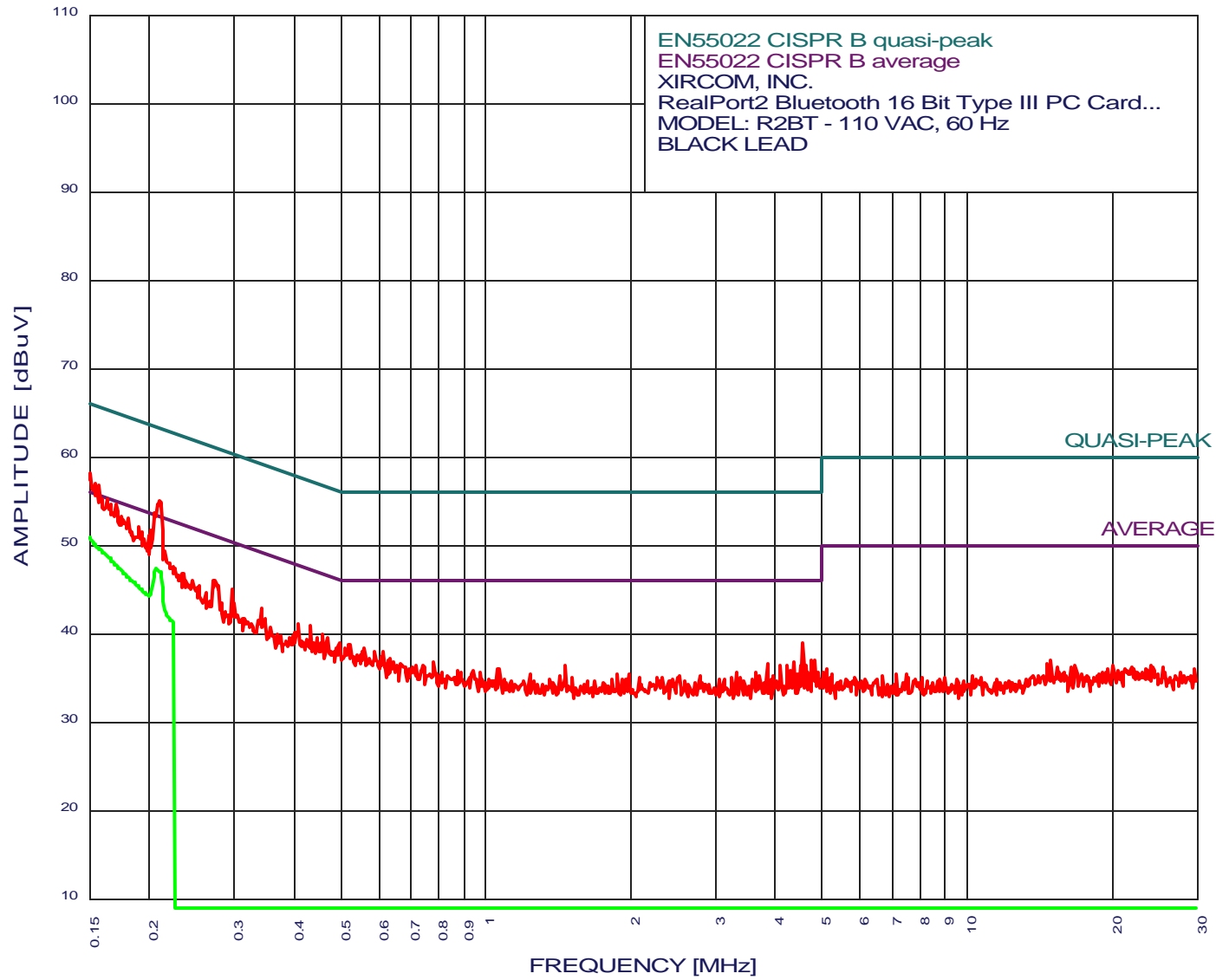
SPAN 0 Hz
SWP 400 msec





EMISSION LEVEL [dBuV] PEAK
Graph for Peak& Average

3/06/2001 8:23:42



COMPATIBLE
ELECTRONICS



XIRCOM, INC.

RealPort2 Bluetooth 16 Bit Type III PC Card Adapter

MODEL: R2BT - 110 VAC, 60 Hz

EN 55022 B - BLACK LEAD

TEST ENGINEER : KYLE FUJIMOTO

34 highest peaks above -50.00 dB of AVERAGE limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.210	55.09	53.22	1.87*
2	0.158	56.82	55.59	1.22*
3	0.170	54.61	54.94	-0.33*
4	0.181	53.00	54.45	-1.45*
5	0.201	51.59	53.57	-1.98*
6	0.191	52.00	54.01	-2.01*
7	0.199	50.99	53.66	-2.66*
8	0.215	49.38	53.00	-3.61*
9	0.275	46.05	50.97	-4.92
10	0.298	44.94	50.31	-5.37
11	0.236	46.77	52.25	-5.48
12	0.341	42.91	49.17	-6.26
13	0.254	45.36	51.64	-6.28
14	0.433	40.79	47.20	-6.41
15	0.409	41.09	47.67	-6.58
16	0.459	39.99	46.70	-6.71
17	0.262	44.66	51.37	-6.71
18	0.301	43.33	50.22	-6.89
19	0.469	39.59	46.53	-6.94
20	0.497	38.89	46.04	-7.15
21	4.554	38.84	46.00	-7.16
22	0.524	38.79	46.00	-7.21
23	0.519	38.69	46.00	-7.31
24	0.445	39.49	46.97	-7.48
25	0.559	38.39	46.00	-7.61
26	0.400	40.09	47.85	-7.76
27	0.589	37.99	46.00	-8.01
28	0.553	37.99	46.00	-8.01
29	0.611	37.89	46.00	-8.11
30	0.438	38.99	47.11	-8.12
31	0.286	42.44	50.63	-8.18
32	0.315	41.63	49.84	-8.21
33	0.356	40.60	48.82	-8.22
34	0.370	40.00	48.51	-8.51

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



**COMPATIBLE
ELECTRONICS**

3/06/2001 8:23:42

XIRCOM, INC.

RealPort2 Bluetooth 16 Bit Type III PC Card Adapter

MODEL: R2BT - 110 VAC, 60 Hz

EN 55022 B - BLACK LEAD

TEST ENGINEER : KYLE FUJIMOTO

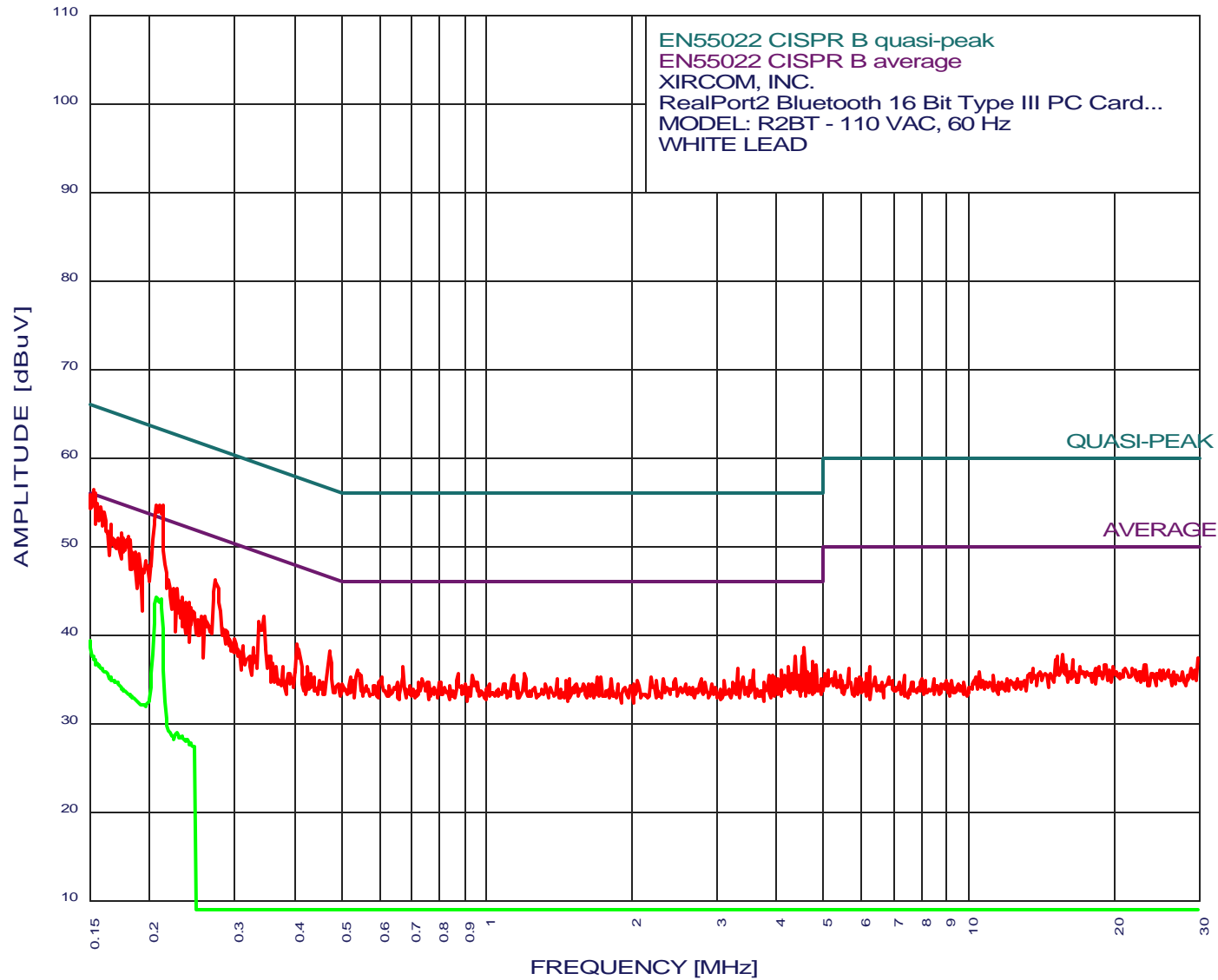
1 highest peaks above -50.00 dB of AVERAGE limit line

Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.206	47.28	53.36	-6.08

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

3/06/2001 8:19:35



EN55022 CISPR B quasi-peak
EN55022 CISPR B average
XIRCOM, INC.
RealPort2 Bluetooth 16 Bit Type III PC Card...
MODEL: R2BT - 110 VAC, 60 Hz
WHITE LEAD



COMPATIBLE
ELECTRONICS



XIRCOM, INC.

RealPort2 Bluetooth 16 Bit Type III PC Card Adapter

MODEL: R2BT - 110 VAC, 60 Hz

EN 55022 B - WHITE LEAD

TEST ENGINEER : KYLE FUJIMOTO

34 highest peaks above -50.00 dB of AVERAGE limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.210	54.69	53.22	1.47*
2	0.153	56.43	55.86	0.56*
3	0.154	55.93	55.77	0.15*
4	0.156	54.82	55.68	-0.86*
5	0.158	54.32	55.55	-1.23*
6	0.161	53.82	55.42	-1.60*
7	0.166	52.42	55.16	-2.74*
8	0.175	51.41	54.71	-3.30*
9	0.181	51.01	54.45	-3.44*
10	0.183	50.71	54.37	-3.66*
11	0.177	50.91	54.62	-3.71*
12	0.171	50.82	54.89	-4.08*
13	0.191	49.20	54.01	-4.81*
14	0.273	46.15	51.02	-4.86
15	0.184	49.41	54.28	-4.87*
16	0.186	49.31	54.19	-4.89*
17	0.196	48.30	53.79	-5.49*
18	0.345	42.11	49.09	-6.97
19	0.228	45.18	52.52	-7.34*
20	4.554	38.59	46.00	-7.41
21	0.223	45.18	52.69	-7.51*
22	0.338	41.42	49.26	-7.84
23	0.233	44.28	52.34	-8.06*
24	0.472	38.09	46.49	-8.40
25	0.241	43.67	52.07	-8.40*
26	4.504	37.59	46.00	-8.41
27	4.364	37.48	46.00	-8.52
28	0.230	43.88	52.43	-8.55*
29	0.405	38.89	47.76	-8.87
30	4.753	37.00	46.00	-9.00
31	0.243	42.97	51.98	-9.01*
32	0.246	42.67	51.90	-9.23*
33	0.260	42.06	51.42	-9.35
34	4.827	36.60	46.00	-9.40

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



COMPATIBLE
ELECTRONICS

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XIRCOM, INC.

RealPort2 Bluetooth 16 Bit Type III PC Card Adapter

MODEL: R2BT - 110 VAC - 60 Hz

EN 55022 B - WHITE LEAD

TEST ENGINEER : KYLE FUJIMOTO

7 highest peaks above -50.00 dB of AVERAGE limit line

Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.206	44.19	53.36	-9.17
2	0.211	43.96	53.18	-9.21
3	0.156	36.81	55.68	-18.87
4	0.158	36.54	55.59	-19.05
5	0.166	35.29	55.16	-19.87
6	0.228	28.83	52.52	-23.69
7	0.233	28.50	52.34	-23.84
