

FCCID: E675JS0027



Emissions Test Conditions: CONDUCTED EMISSIONS (FCC Part 2, Paragraphs 2.985, 2.989, 2.991 and Part 24, Paragraph 24.238)

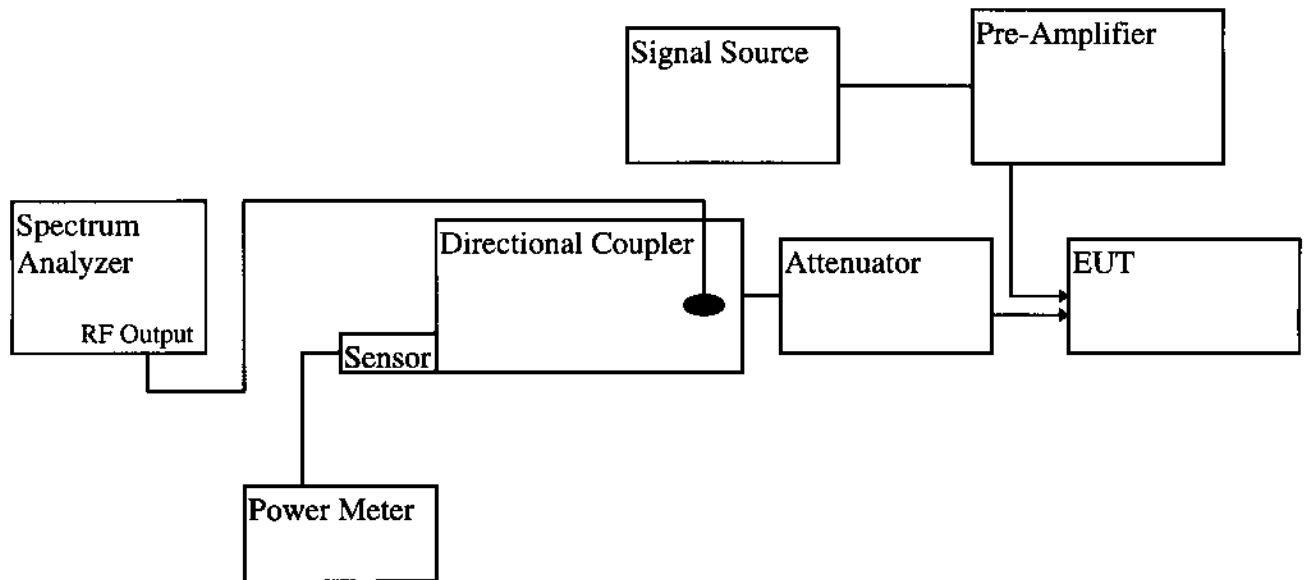
Test Equipment Used :

	Model Number	Manufacturer	Description	Serial Number	Prop. No.	Cal Date
■ -	3022	Narda	74663	74663	--	NCR
■ -	8481A	Hewlett Packard	Power Sensor	US 37290516	--	09/16/99
■ -	437B	Hewlett Packard	Power Meter	3125U26022	572	09/16/99
■ -	ESG-02000A	Hewlett Packard	Digital Signal Generator	--	--	01/07/99
■ -	MPA9603-25	Miteq, Inc.	Pre-amplifier	189296	--	NCR
■ -	MPA9600-25	Miteq, Inc.	Pre-amplifier	207728	--	NCR

Remarks: _____

FCC ID: E675J80027

Test Setup for
Part 2, Paragraph 2.985, 2.989, 2.991 and
Part 24, Paragraph 24.238



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.985

DATE: 10/14/98

REPORT NO. S8511

NOTES: 1) MID CHANNEL GSM

2) RF OUTPUT POWER - 49 dBm = 79.4 W

MKR 1.959 98 GHz
49.00 dBm

hp

REF 61.0 dBm

ATTEN 50 dB

Mary Washington

10 dB/

SAMPLE

OFFSET

51.1

dB

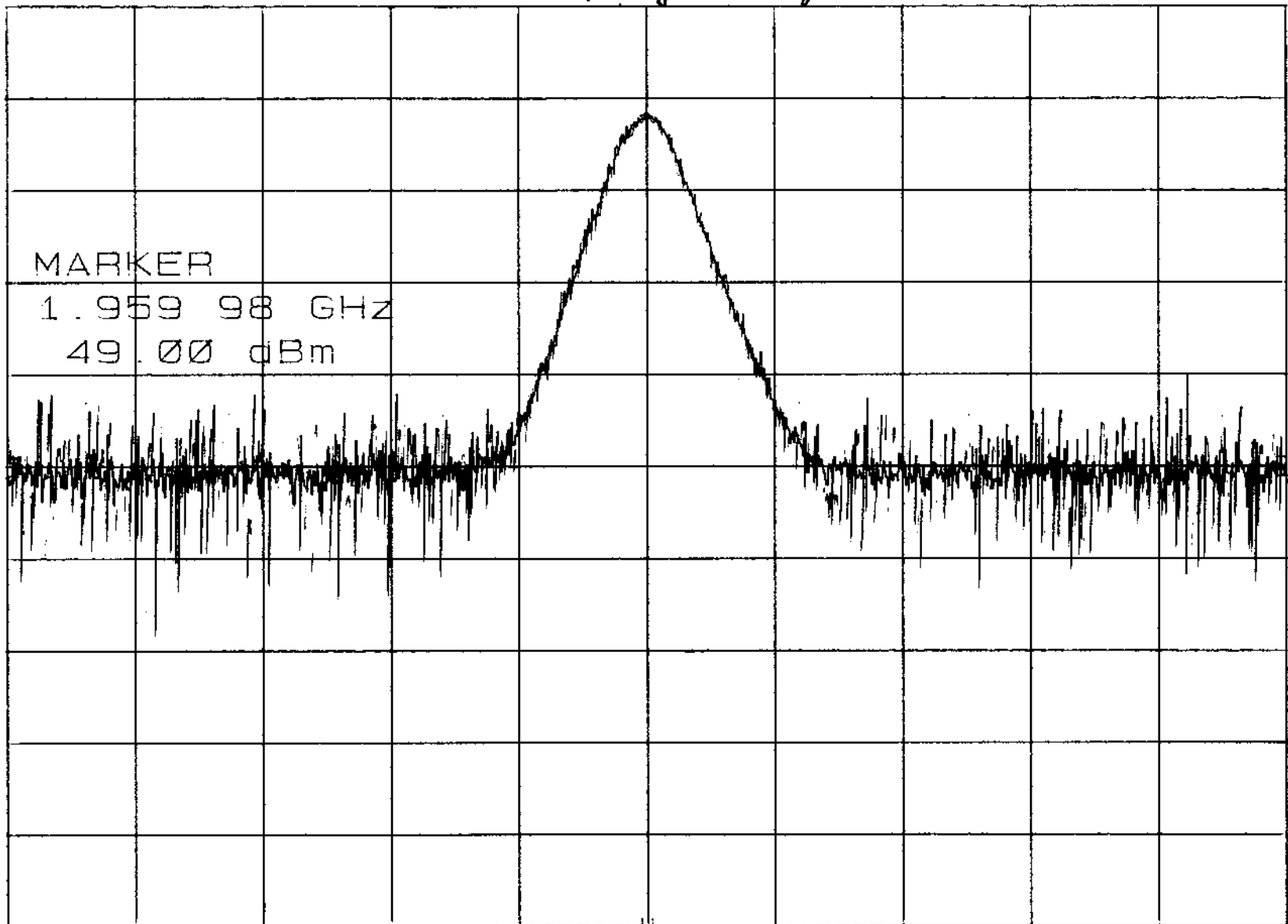
MARKER

1.959 98 GHz

49.00 dBm

VID AVG

11



CENTER 1.960 0 GHz

RES BW 1 MHz (1)

VBW 1 MHz

SPAN 20.0 MHz
SWP 50.0 msec

CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.985

DATE: 10/13/98

REPORT NO. S8511

NOTES: 1) LOW CHANNEL GSM
2) RF OUTPUT POWER - 49.1 dBm = 81.3W

REF 51.4 dBm

ATTEN 10 dB

Mary Washington

MKR 1.930 12 GHz
49.00 dBm

10 dB/

SAMPLE

OFFSET

51.4
dB

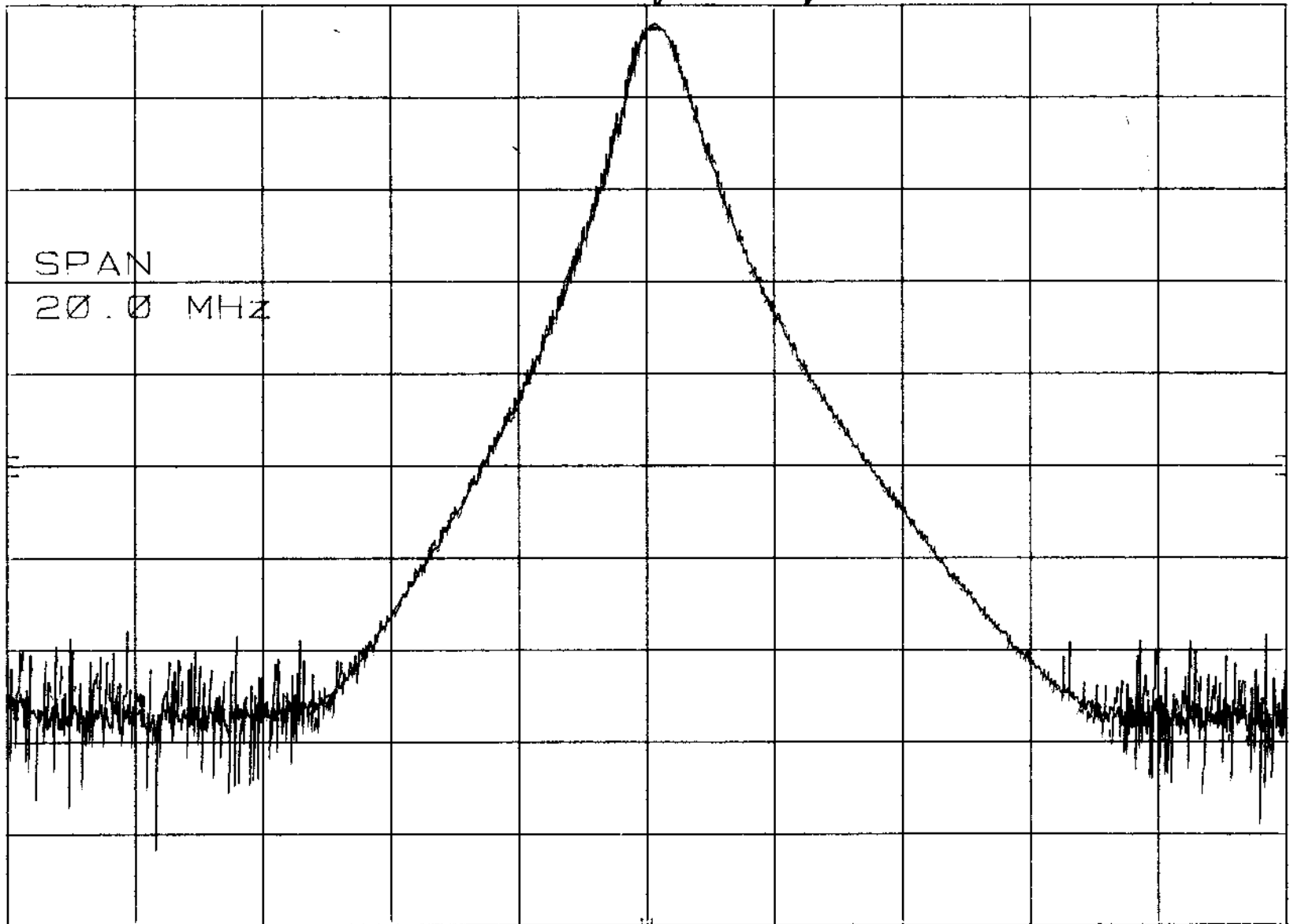
SPAN

20.0 MHz

VID AVG

11

global
~~CORR-D~~



CENTER 1.930 0 GHz

RES BW 1 MHz (1)

VBW 1 MHz

SPAN 20.0 MHz
SWP 37.5 msec

CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.985
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/13/98

REPORT NO. S8511

2) RF OUTPUT POWER - 48.9 dBm = 77.6 W

h3 REF 51.2 dBm ' ATTEN 10 dB *Mary Washington*

MKR 1.989 82 GHz
48.90 dBm

10 dB/

SAMPLE

OFFSET

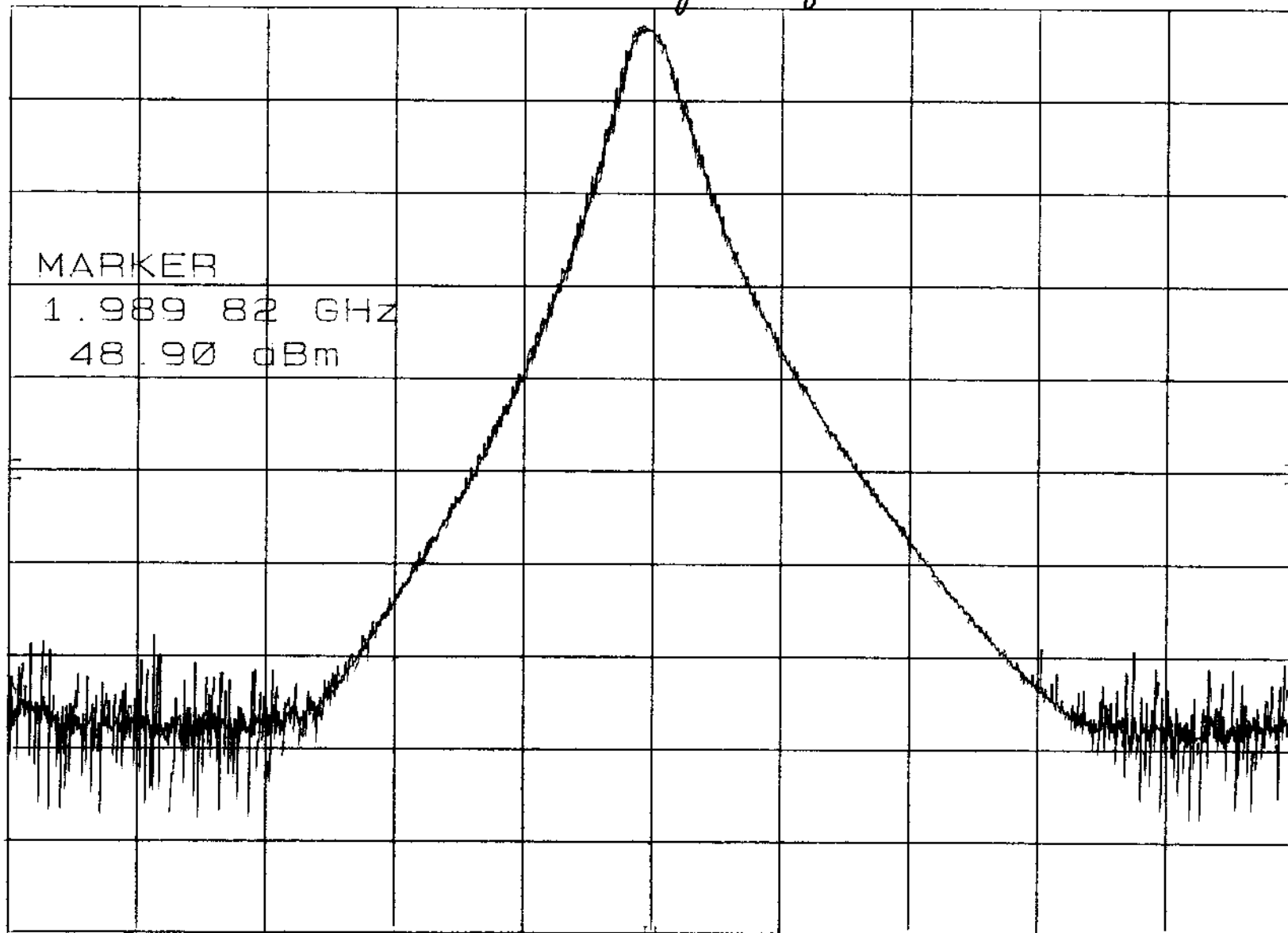
51.2
dB

MARKER

1.989 82 GHz
48.90 dBm

VID AVG

11



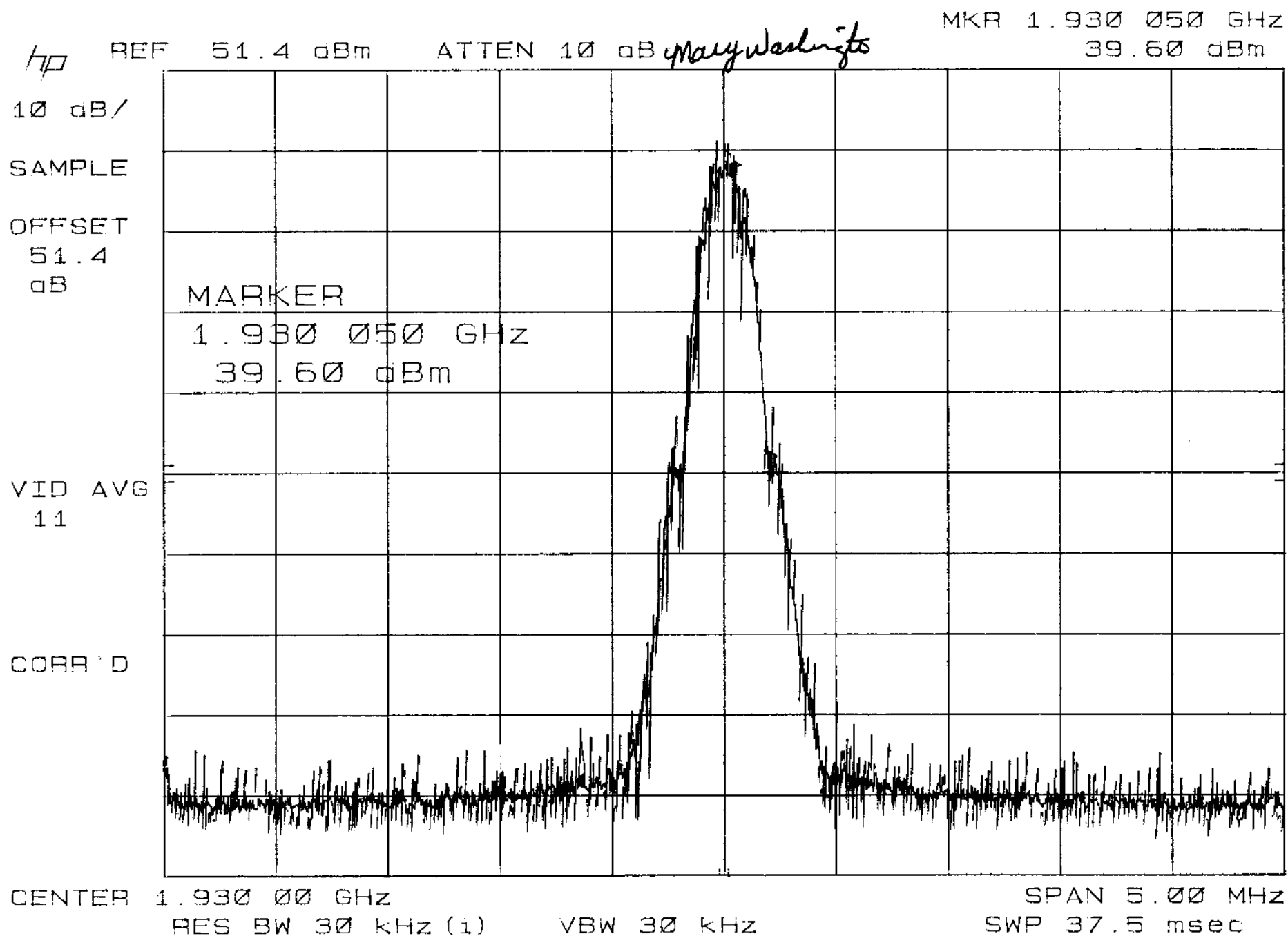
CENTER 1.990 0 GHz

RES BW 1 MHz (1)

VBW 1 MHz

SPAN 20.0 MHz

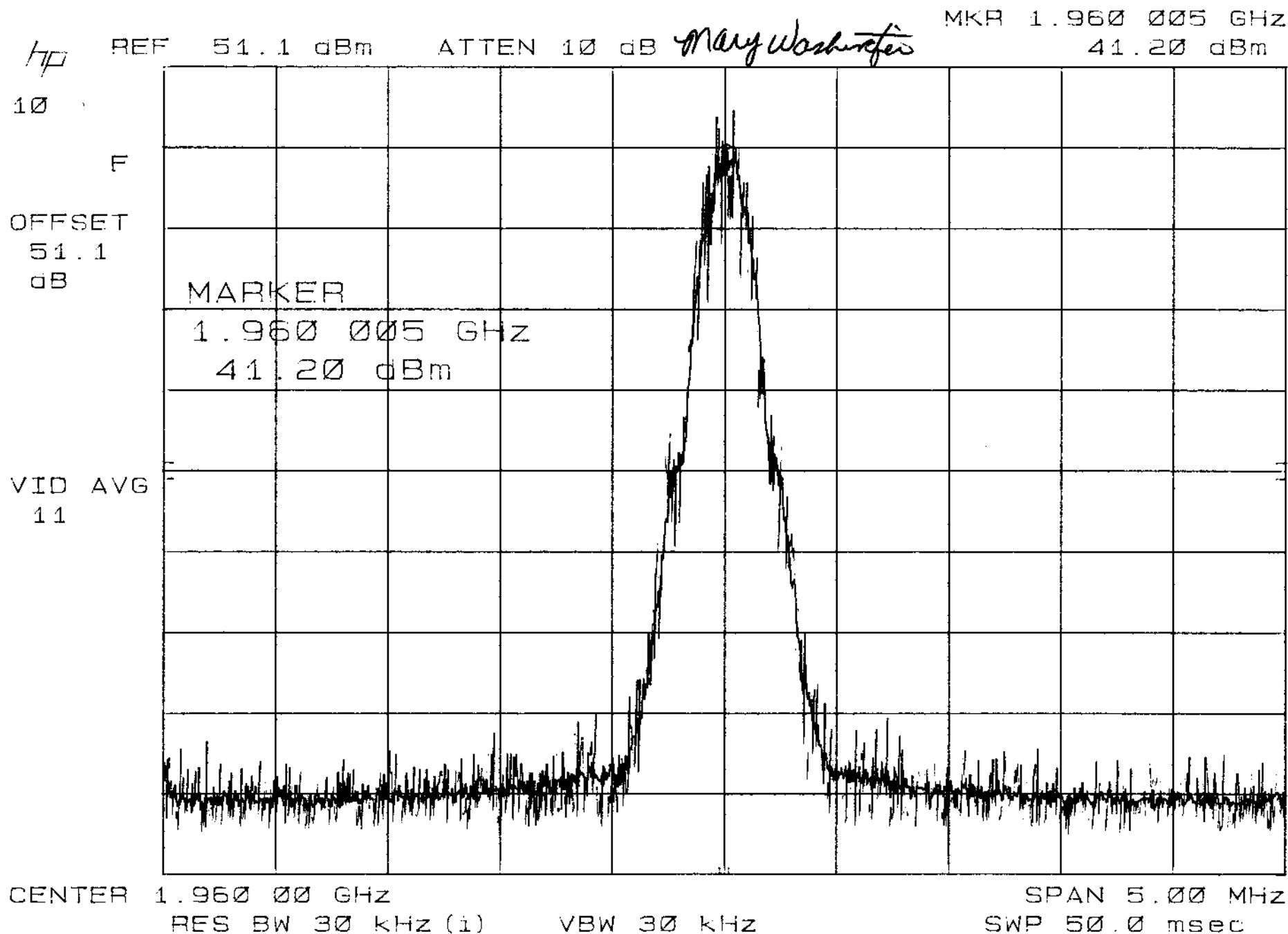
SWP 20.0 msec



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.989
NOTES: 1) MID CHANNEL GSM

DATE: 10/14/98

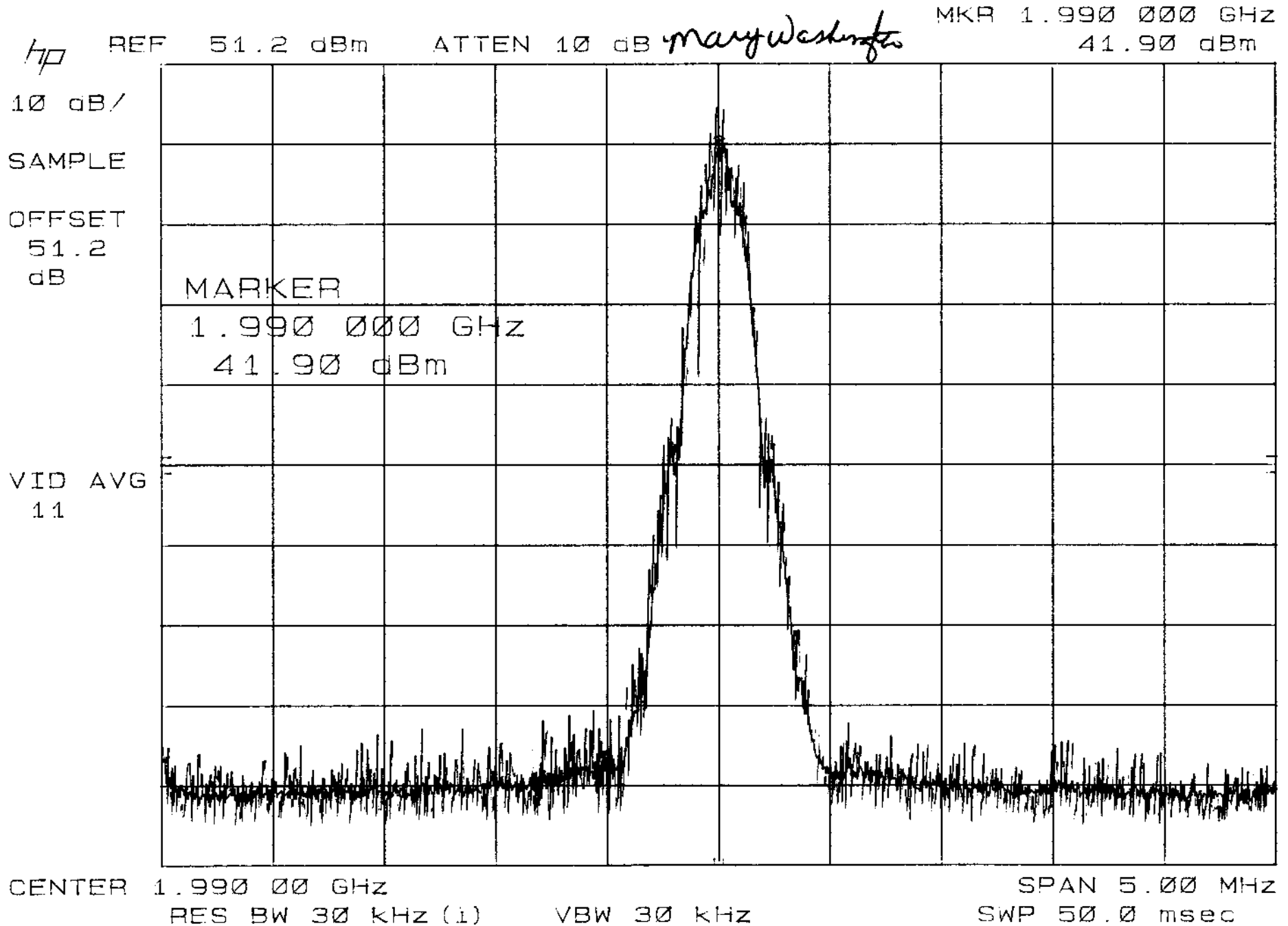
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.985 and 24.238 (fundamental)
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/14/98

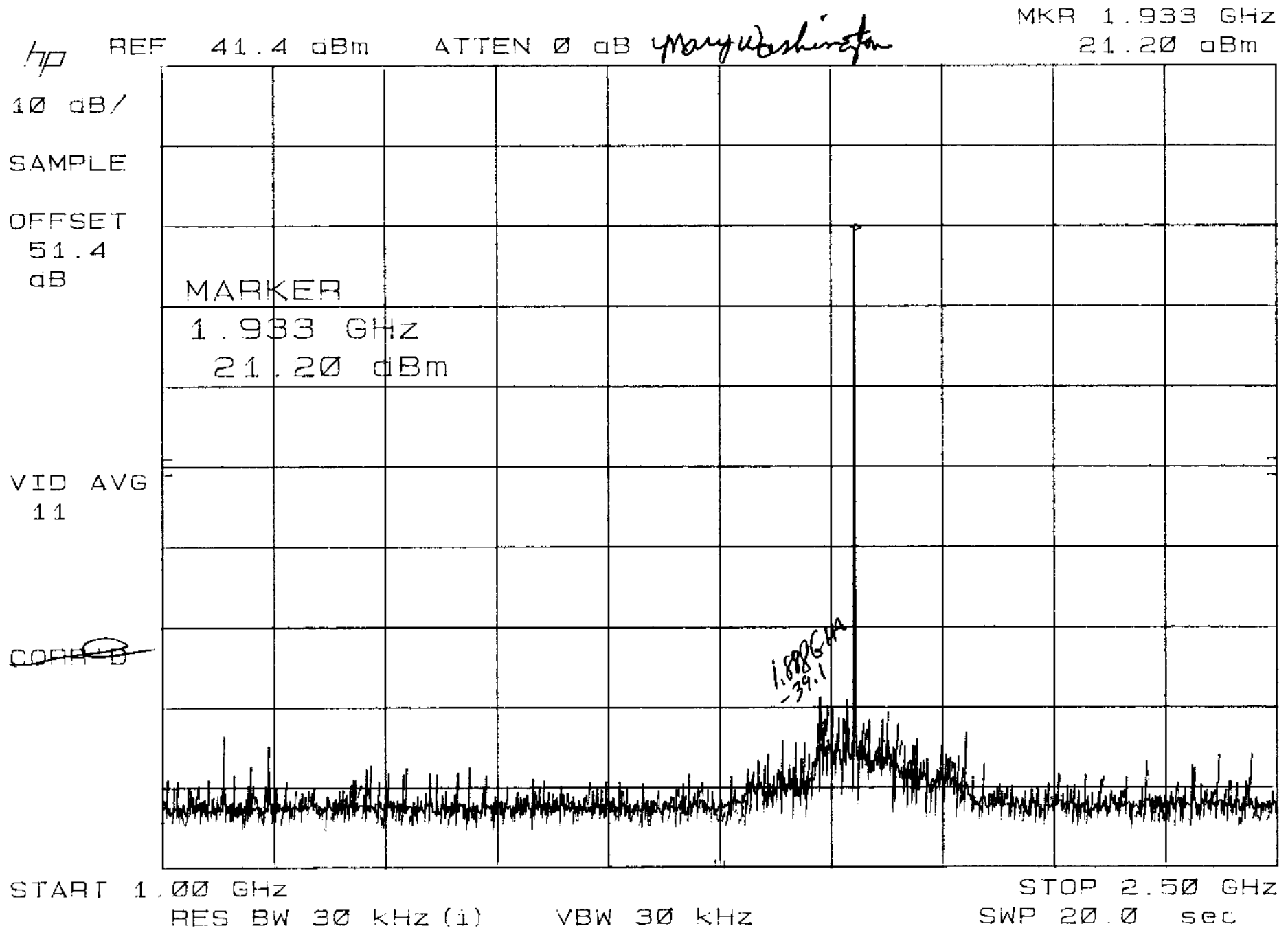
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) LOW CHANNEL GSM

DATE: 10/13/98

REPORT NO. S8511



CLIENT: POWERWAVE

DATE: 10/13/98

REPORT NO. S8511

SPEC: FCC PART 2, PARAGRAPH 2.991

NOTES: 1) LOW CHANNEL GSM

2) SPURIOUS AT ANTENNA TERMINALS

MKR 3.864 GHz

-35.70 dBm

hp

REF 41.4 dBm

ATTEN 0 dB *may Washington*

10 dB/

SAMPLE

OFFSET

51.4

dB

MARKER

3.864 GHz

-35.70 dBm

VID AVG

11

~~CORR D~~

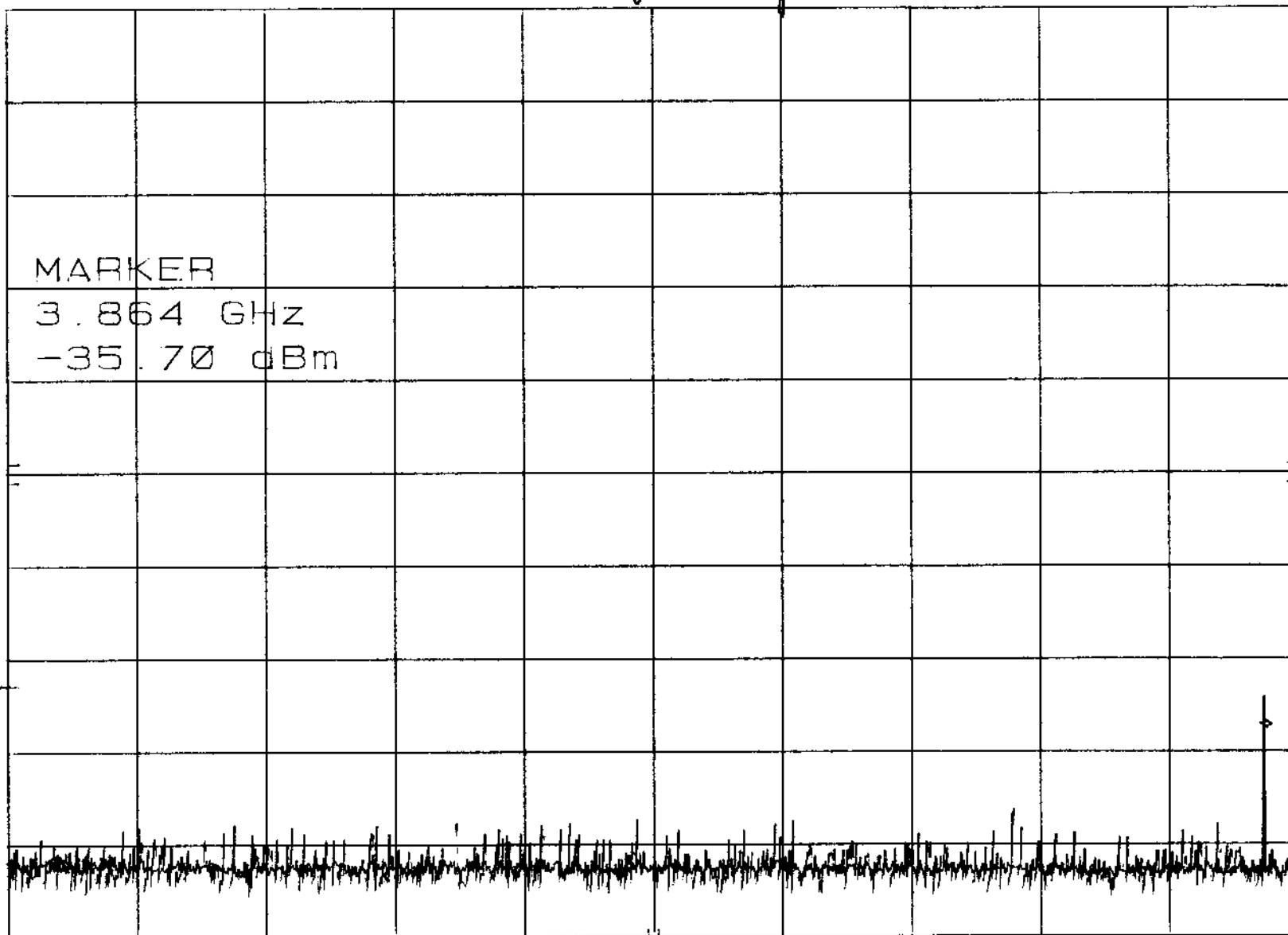
START 2.50 GHz

RES BW 30 KHz (1)

VBW 30 KHz

STOP 3.90 GHz

SWP 20.0 sec



CLIENT: POWERWAVE

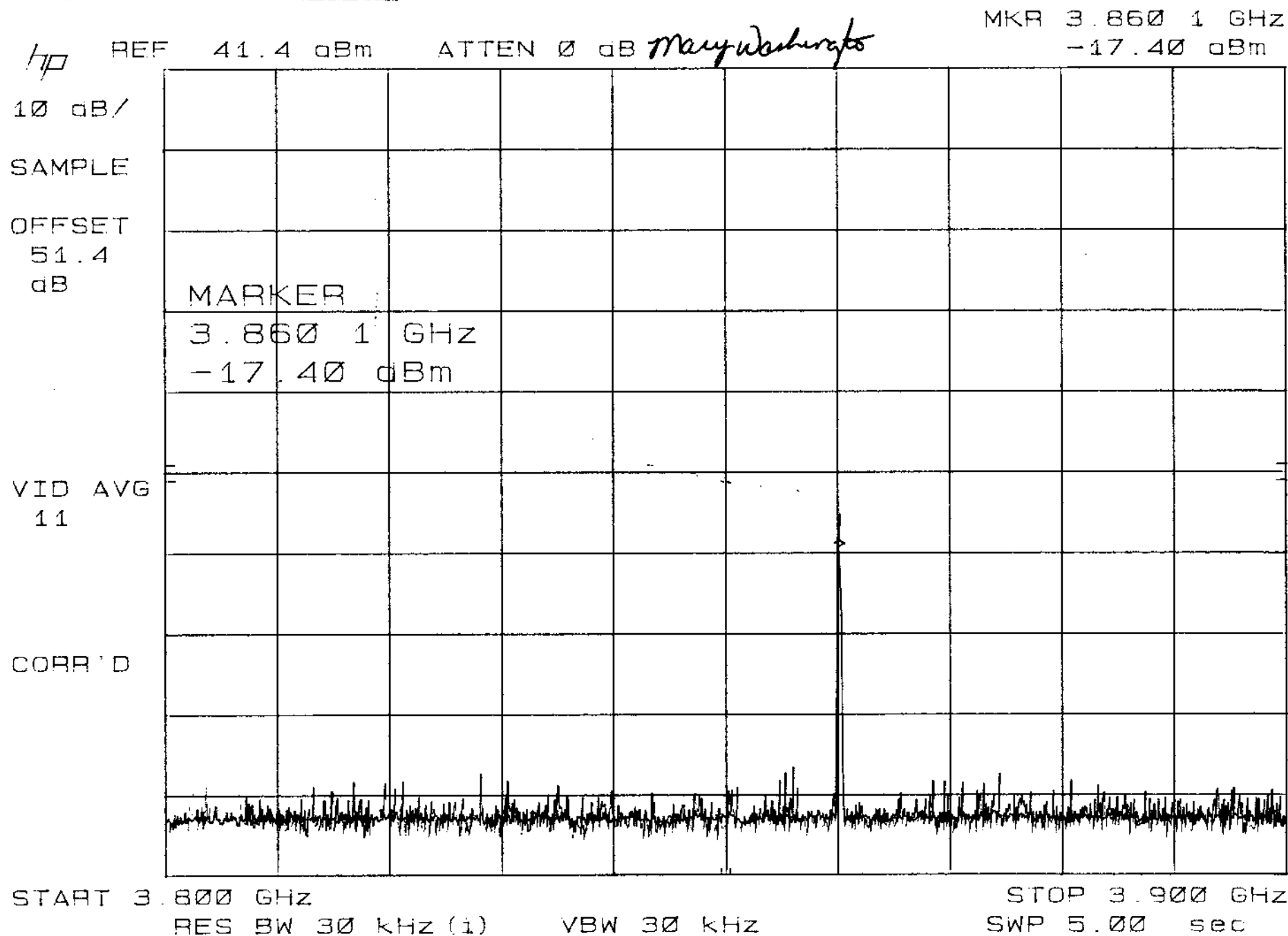
DATE: 10/13/98

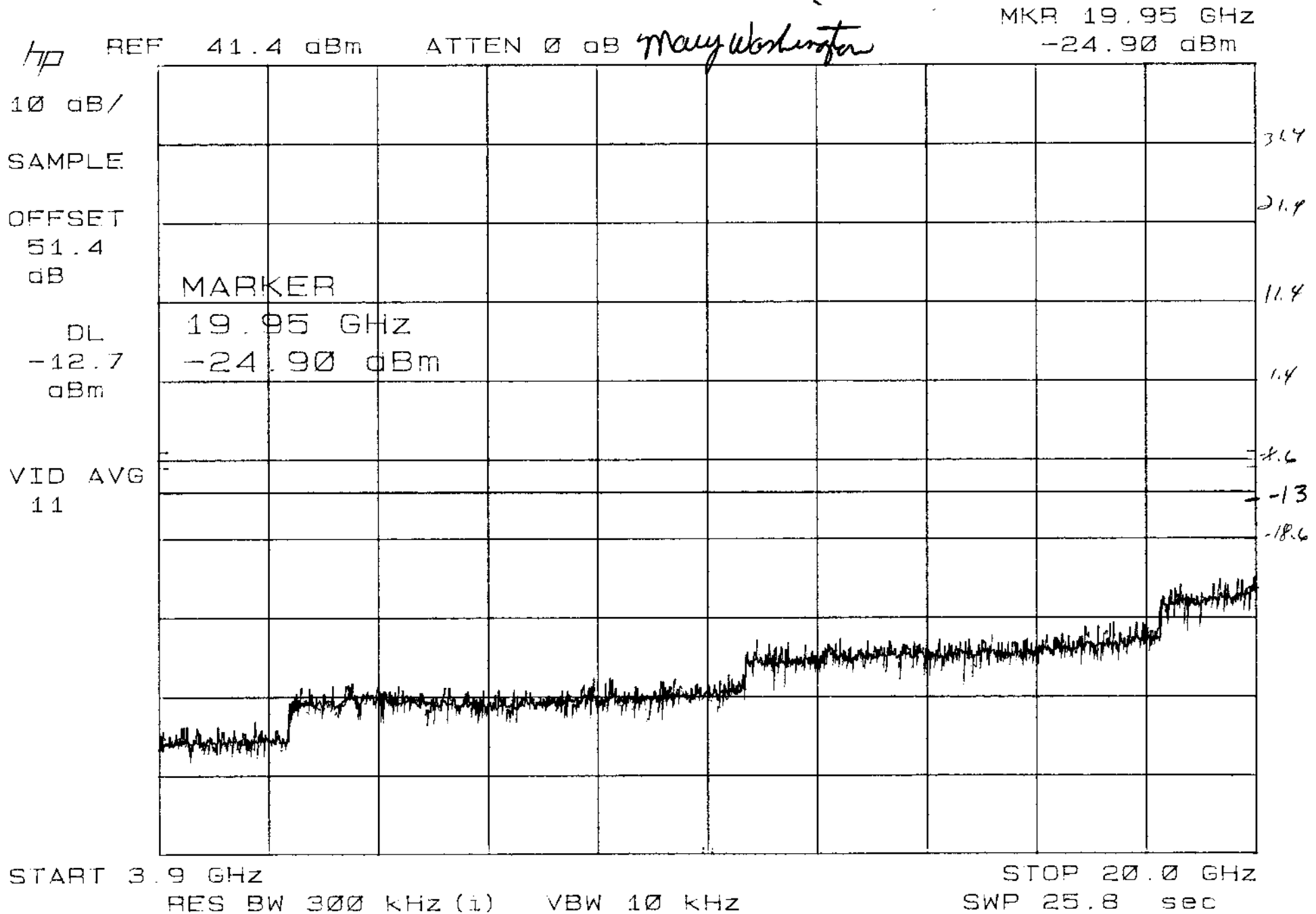
REPORT NO. S8511

SPEC: FCC PART 2, PARAGRAPH 2.991

NOTES: 1) LOW CHANNEL GSM

2) SPURIOUS AT ANTENNA TERMINALS

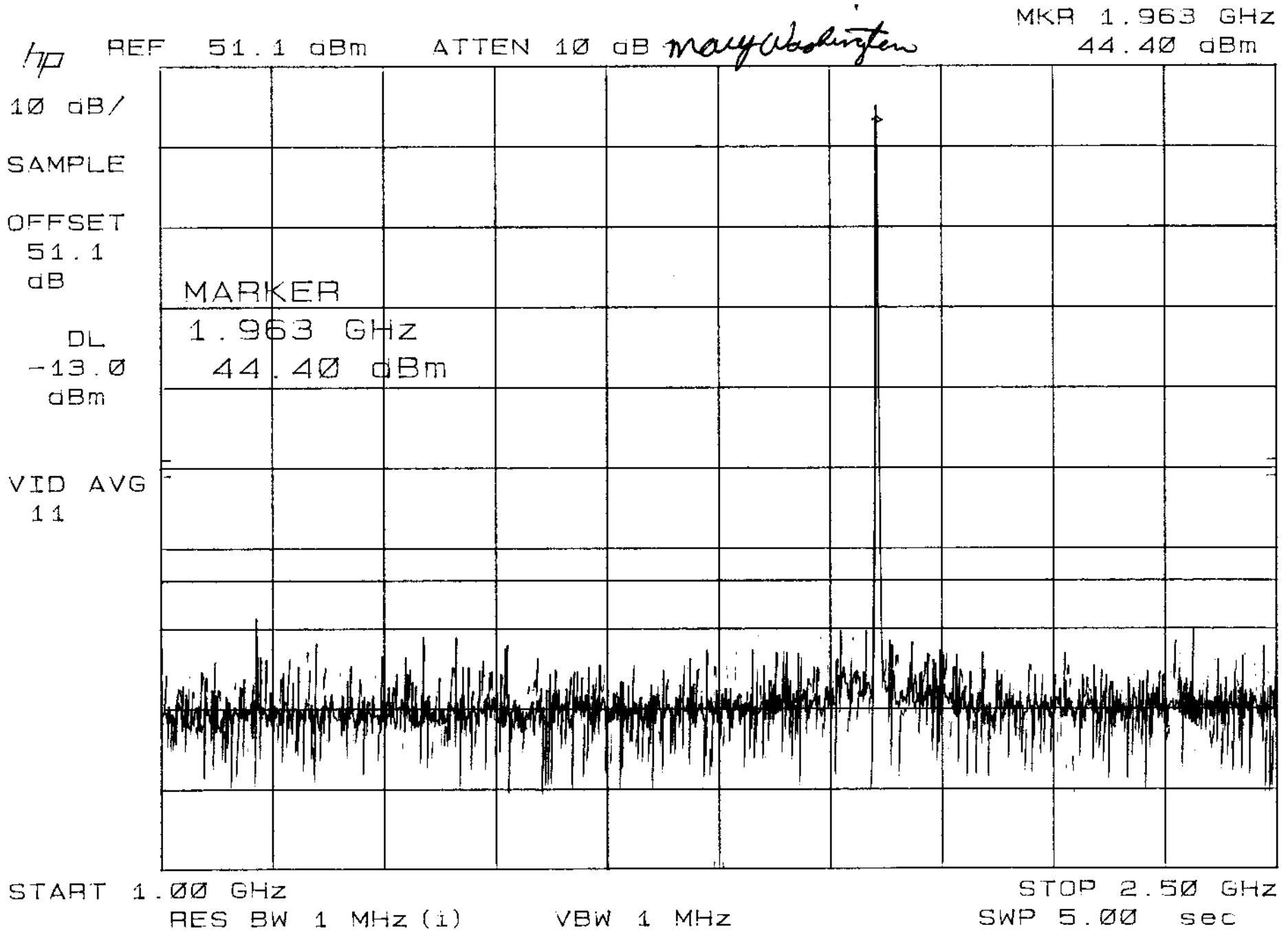




CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) MID CHANNEL GSM

DATE: 10/14/98

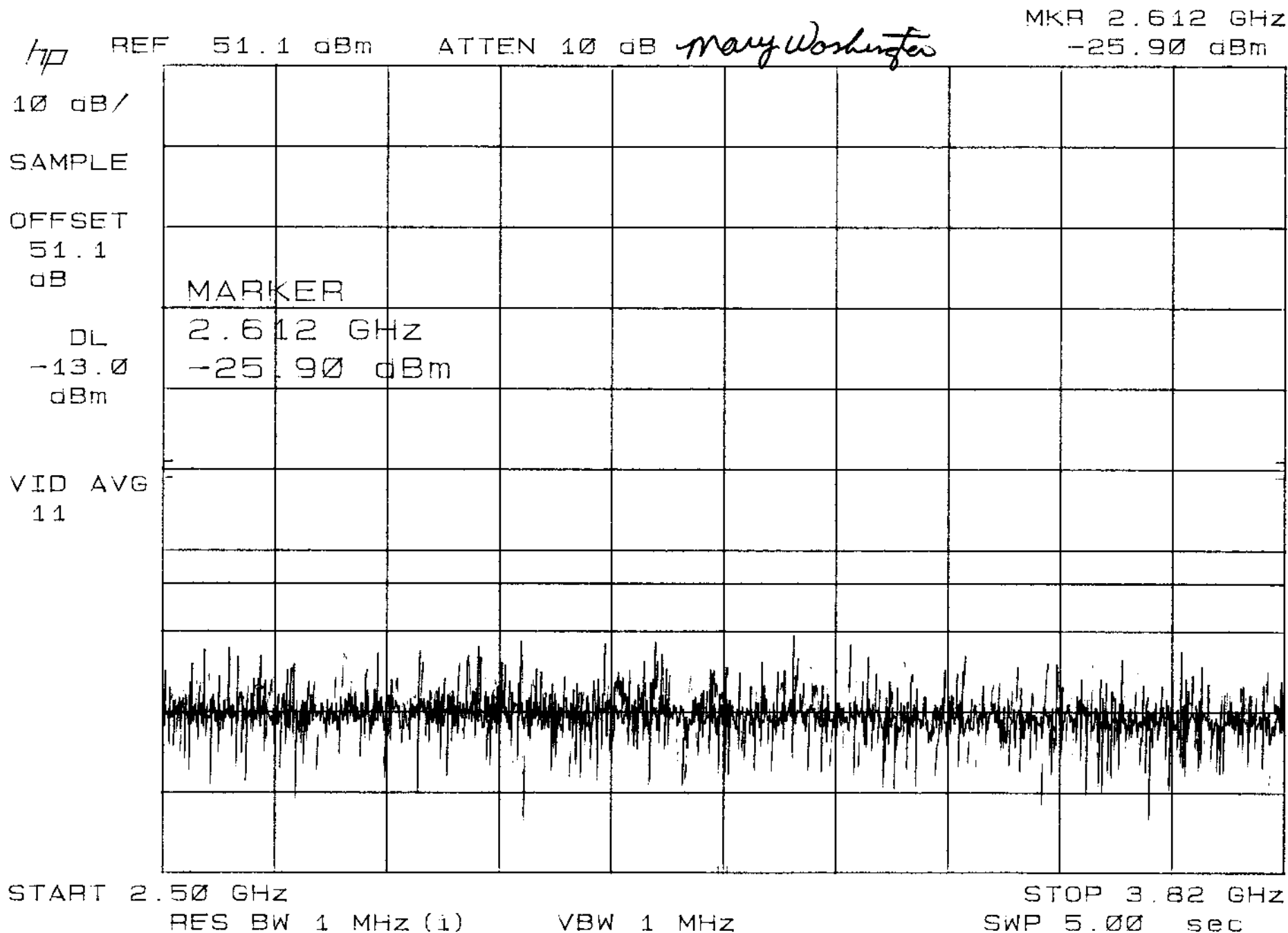
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) MID CHANNEL GSM

DATE: 10/14/98

REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) MID CHANNEL GSM

DATE: 10/15/98

REPORT NO. S8511

MKR 3.920 6 GHz
-15.40 dBm

hp REF 51.1 dBm ATTEN 20 dB *may washington*

10 dB/

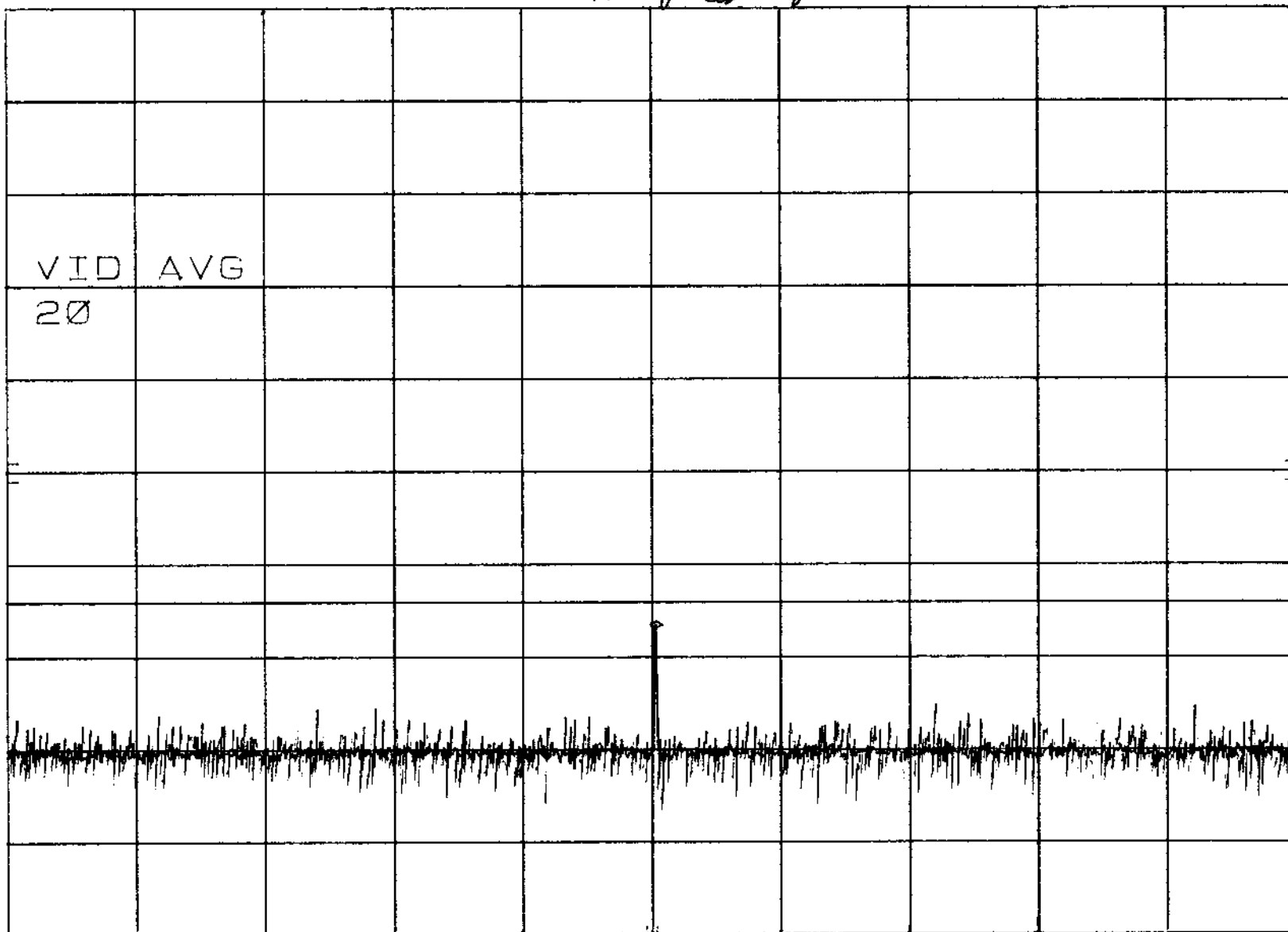
SAMPLE

OFFSET

51.1
dB

DL
-13.0
dBm

VID AVG
20



CENTER 3.920 GHz

RES BW 100 kHz (1) VBW 10 kHz

SPAN 200 MHz

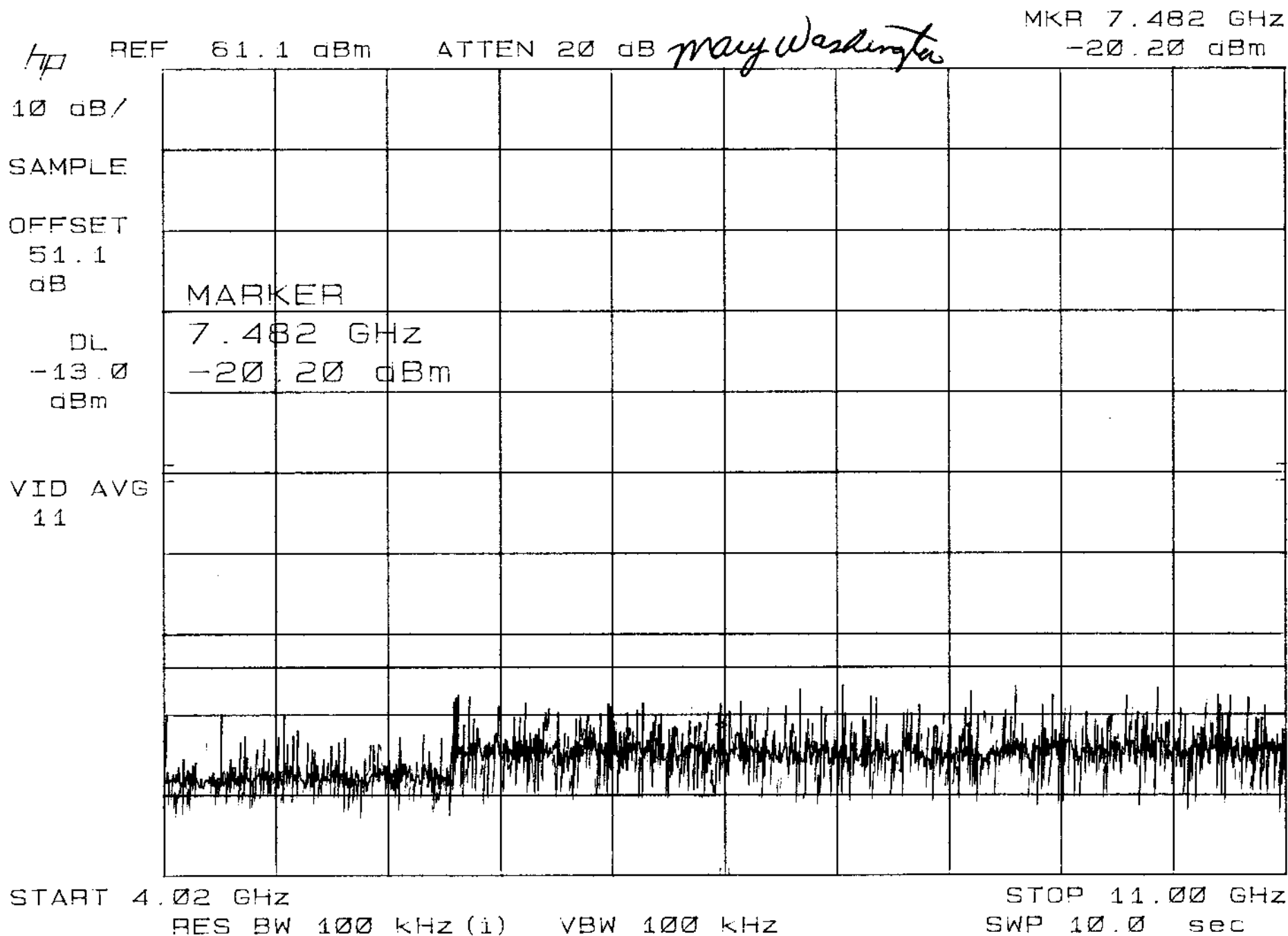
SWP 5.00 sec 4.02

3.820

CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) MID CHANNEL GSM

DATE: 10/14/98

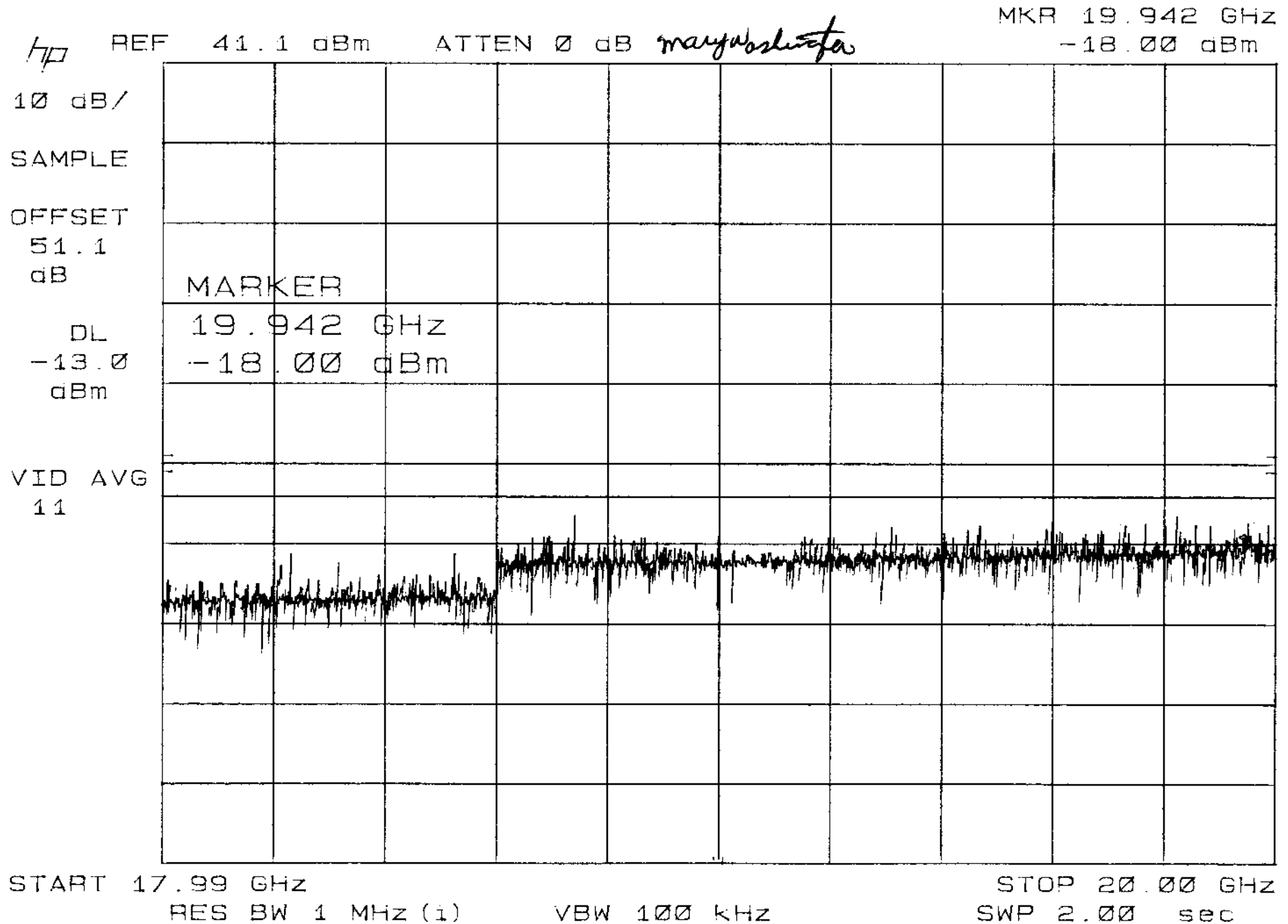
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) MID CHANNEL GSM

DATE: 10/14/98

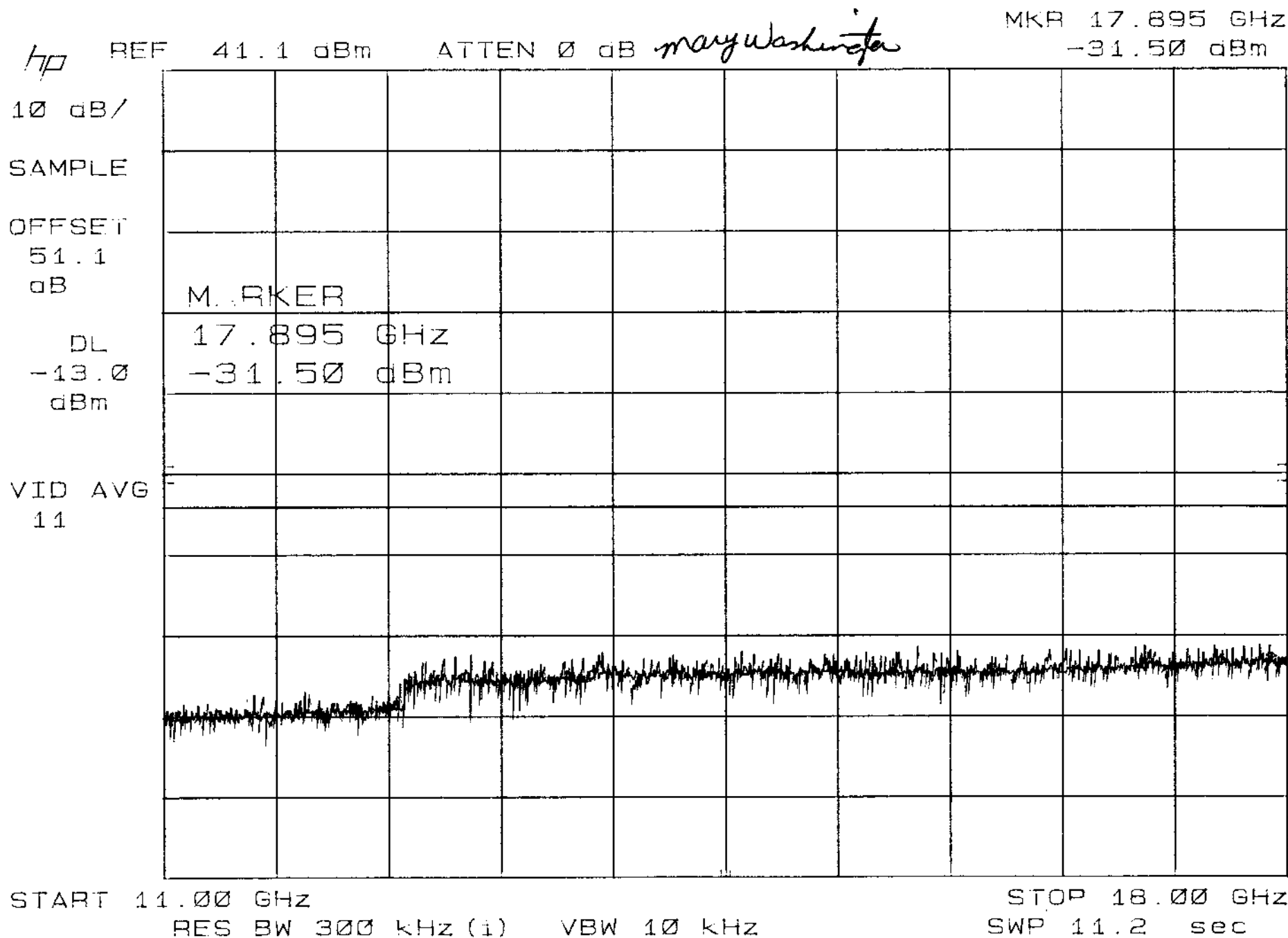
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) MID CHANNEL GSM

DATE: 10/15/98

REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) HIGH CHANNEL GSM
2 Video

DATE: 10/13/98

REPORT NO. S8511

MR 1.995 GHz
48.90 dBm

REF 51.2 dBm

ATTEN 10 dB *maywashu*

10 dB/

SAMPLE

OFFSET
51.2
dB

DL
-13.2
dBm

VID AVG
11

MARKER

1.995 GHz
48.90 dBm

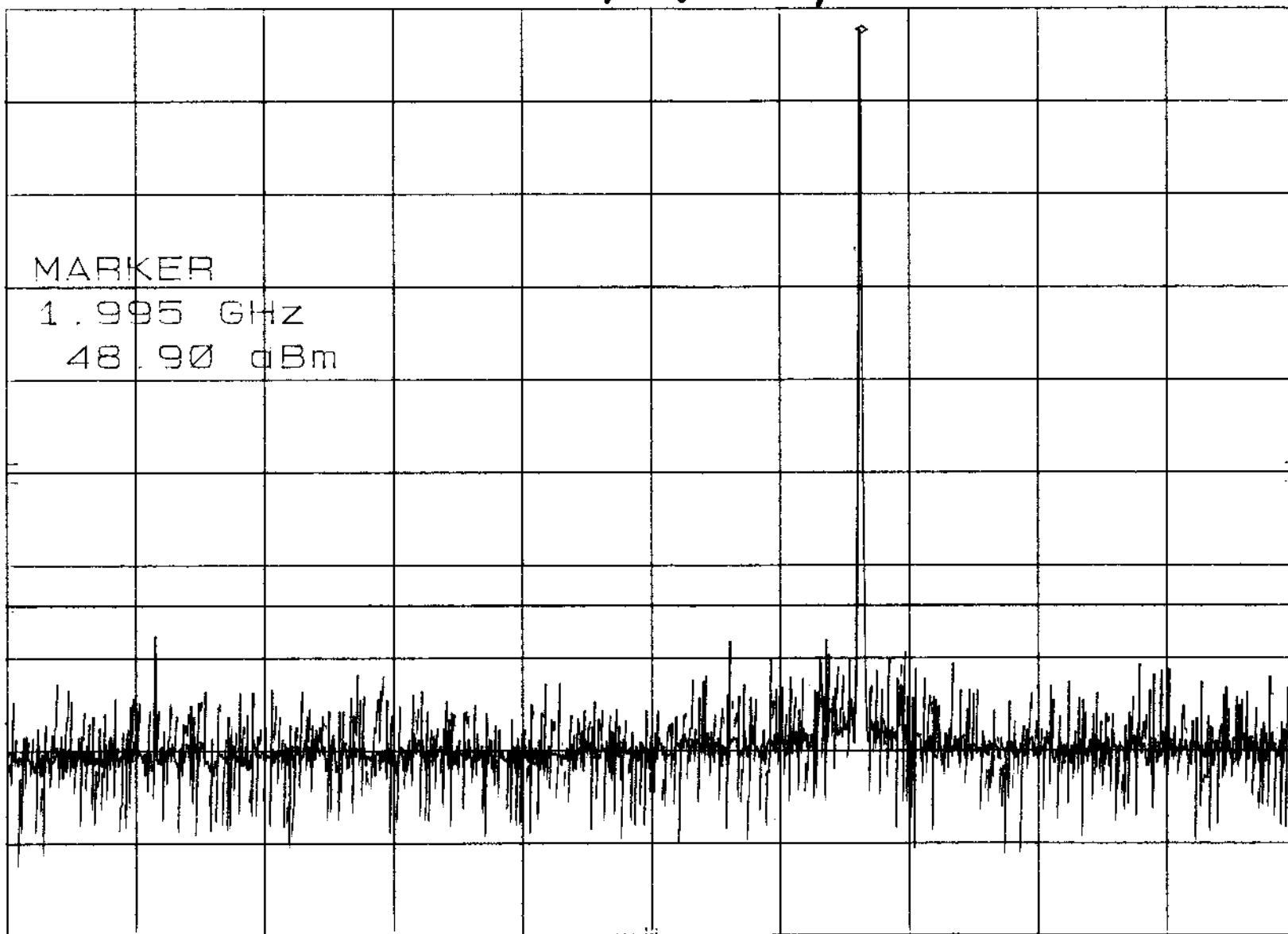
START 1.00 GHz

RES BW 1 MHz (1)

VBW 1 MHz

STOP 2.50 GHz

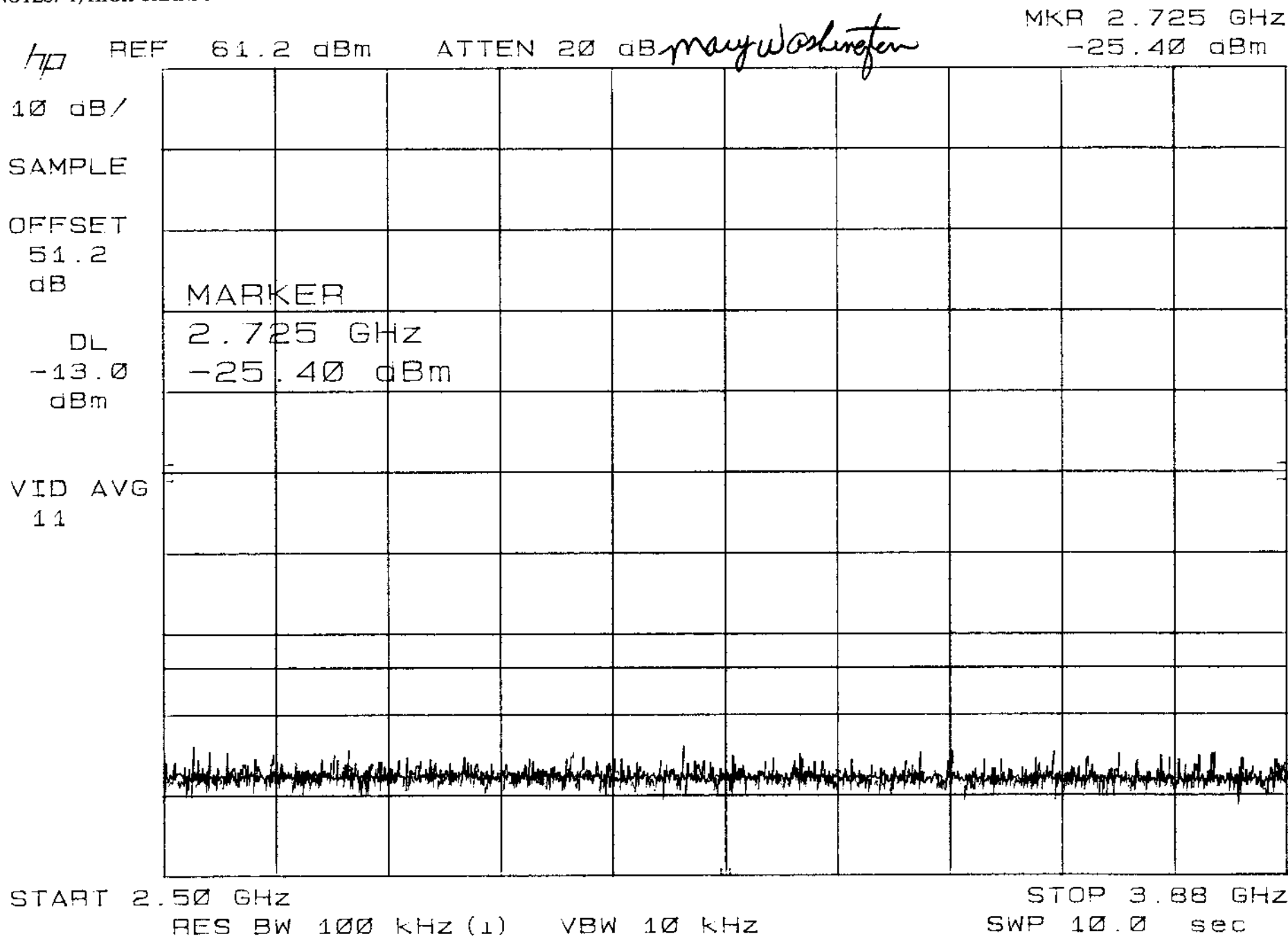
SWP 37.5 msec



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/14/98

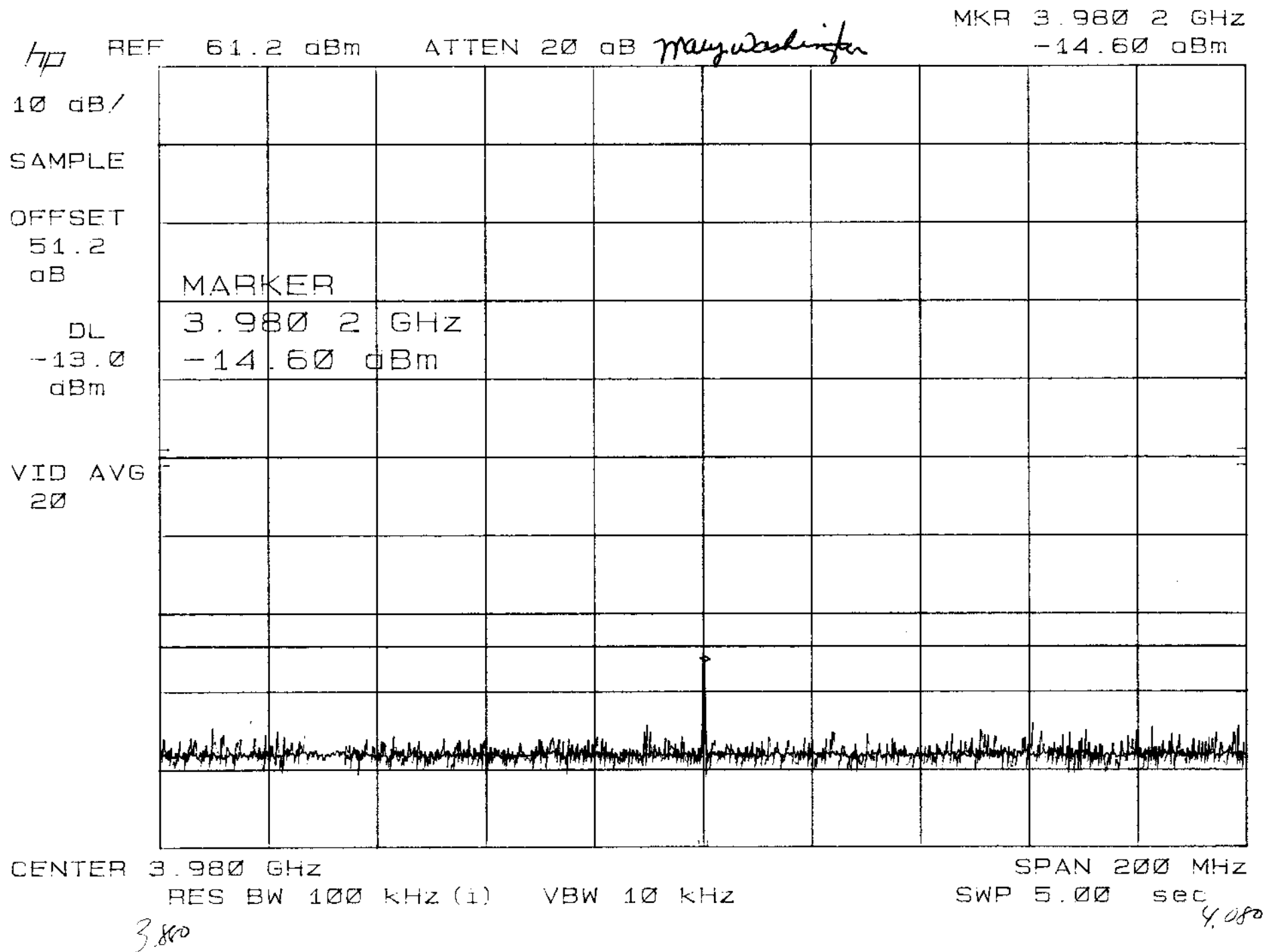
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/15/98

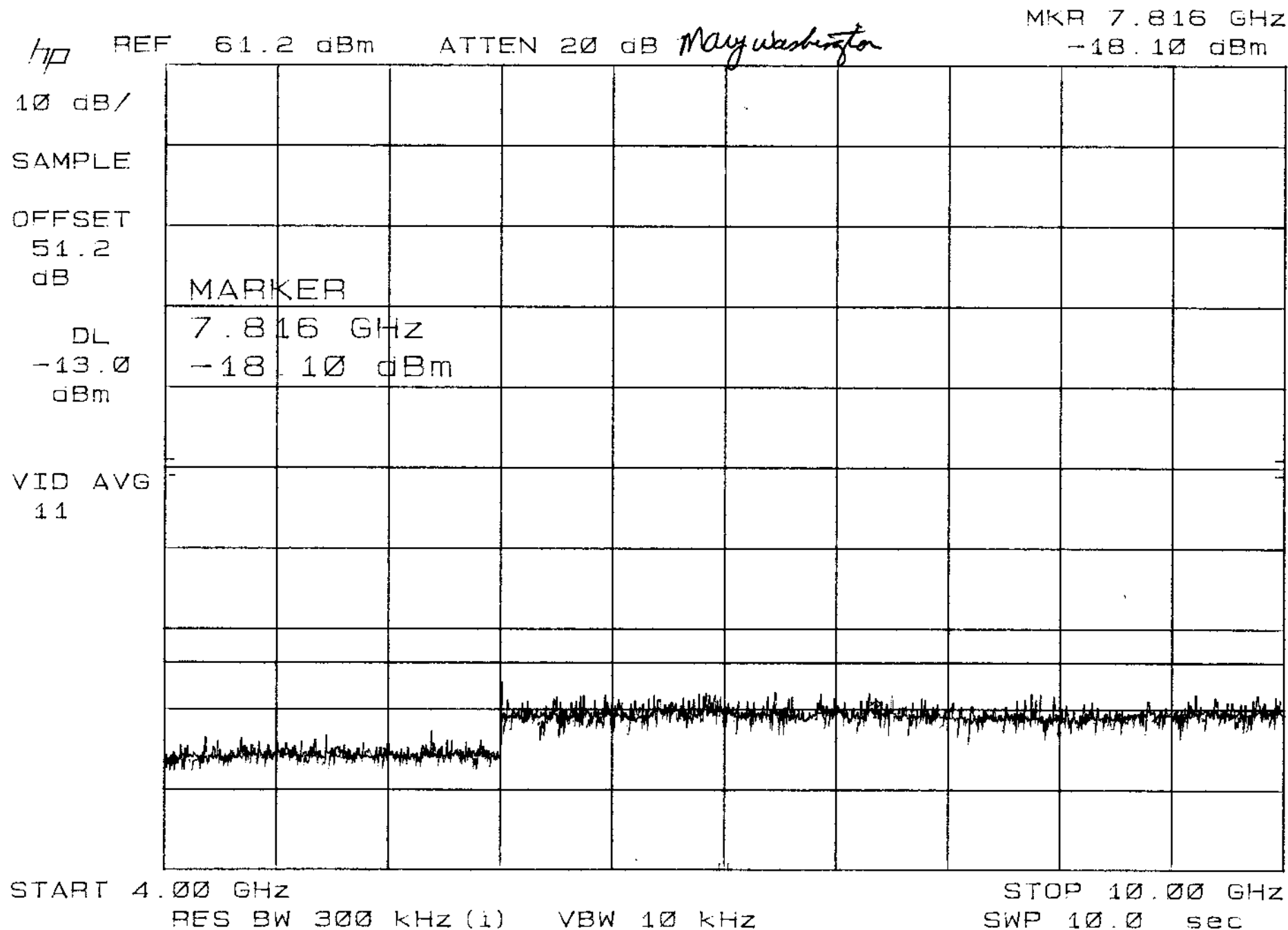
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/14/98

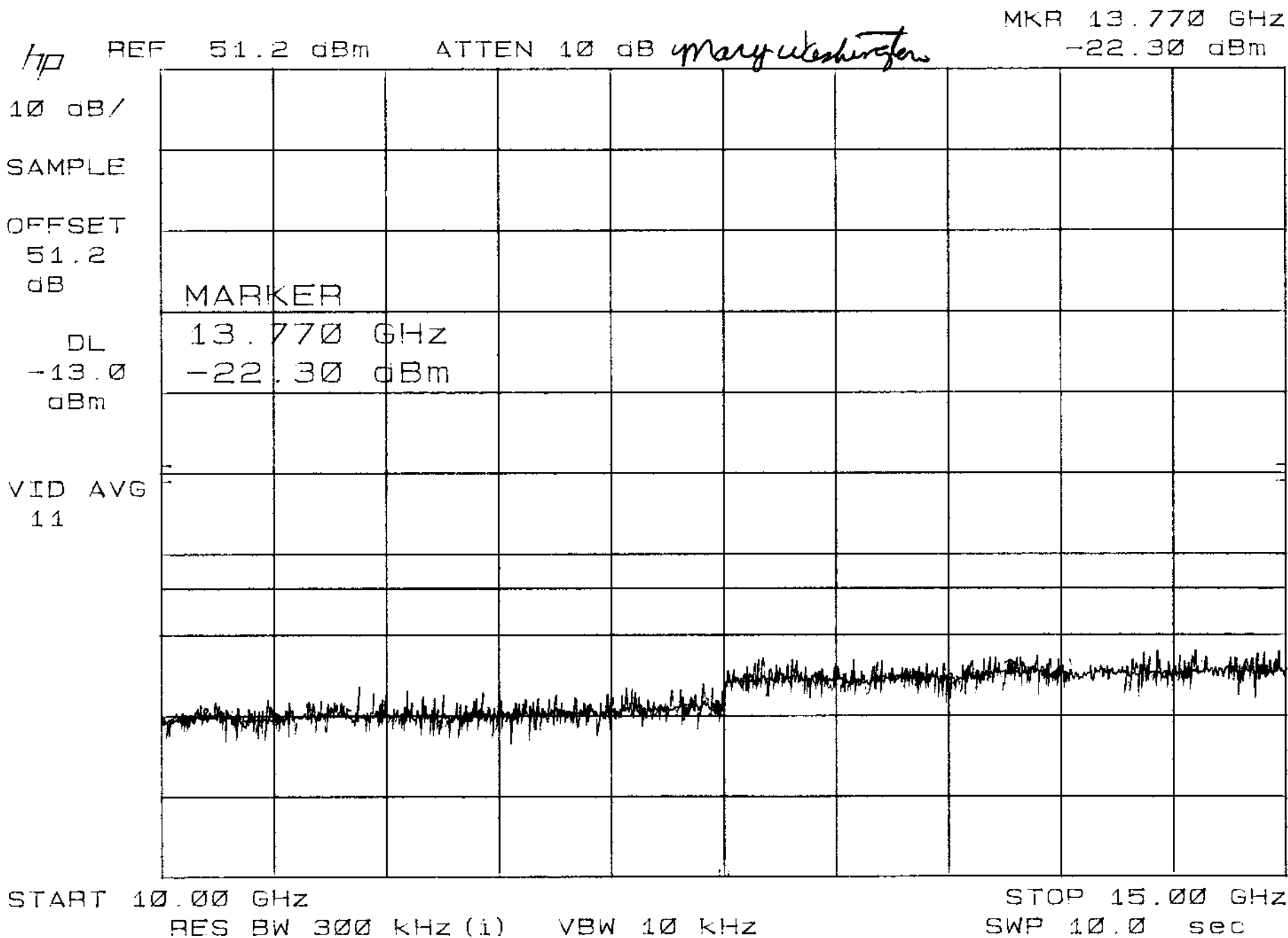
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/14/98

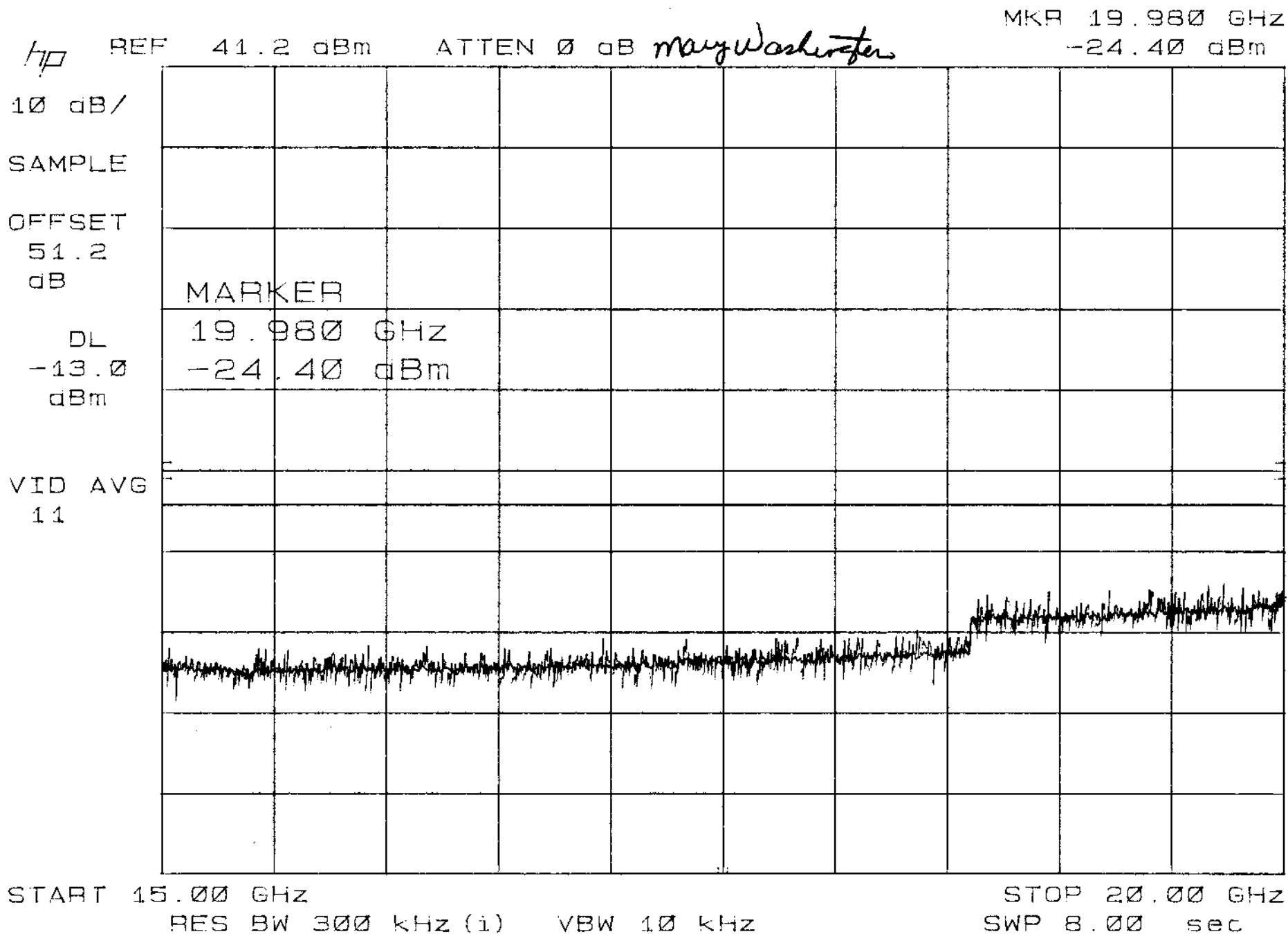
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 2, PARAGRAPH 2.991
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/15/98

REPORT NO. S8511



CLIENT: POWERWAVE

DATE: 10/13/98

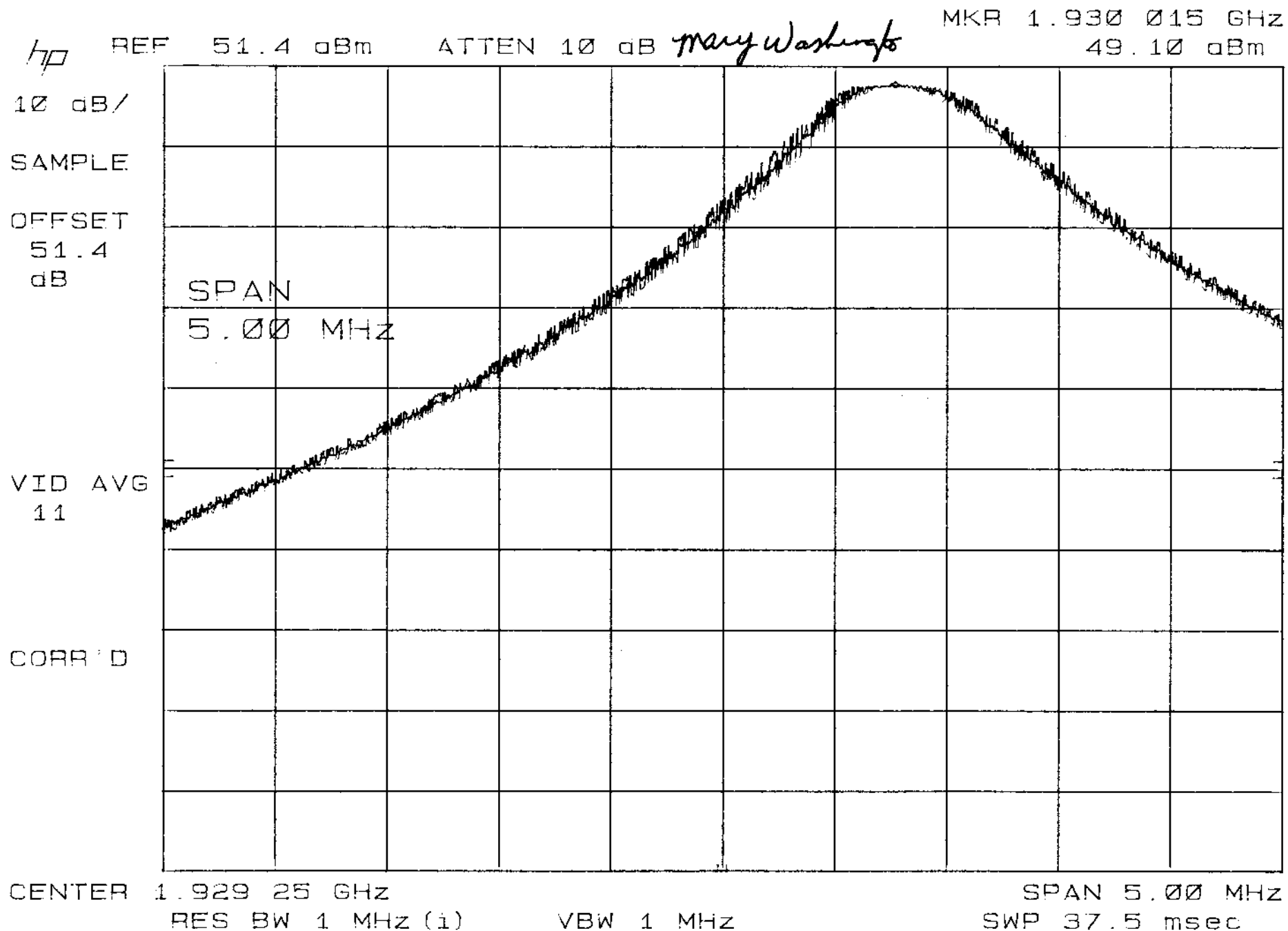
REPORT NO. S8511

SPEC: FCC PART 24, PARAGRAPH 24.238

(Bandedges)

NOTES: 1) LOW CHANNEL GSM

2) Below f_0



CLIENT: POWERWAVE

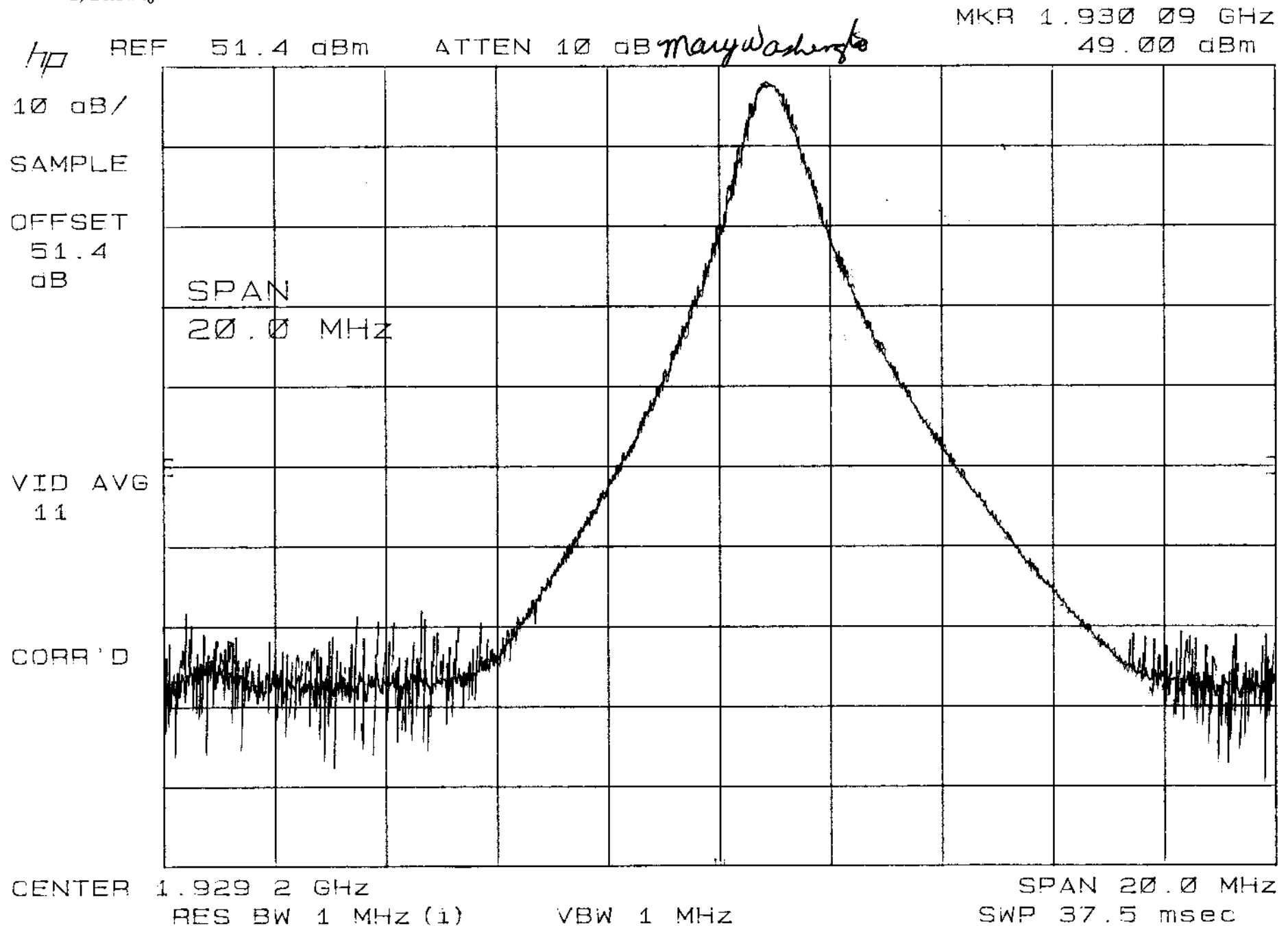
DATE: 10/13/98

REPORT NO. S8511

SPEC: FCC PART 24, PARAGRAPH 24.238 (bandedges)

NOTES: 1) Low channel GSM

2) Below f_0



CLIENT: POWERWAVE

DATE: 10/13/98

REPORT NO. S8511

SPEC: FCC PART 24, PARAGRAPH 24.238 (bandedges)

NOTES: 1) LOW CHANNEL GSM

2) Video averaging

3) Peak measured

4) Above f_0

MKR 1.929 965 GHz

49.10 dBm

REF 51.4 dBm

ATTEN 10 dB

Mary W. Ashurst

10 dB/

SAMPLE

OFFSET

51.4

dB

SPAN

5.00 MHz

VID AVG

11

CORR'D

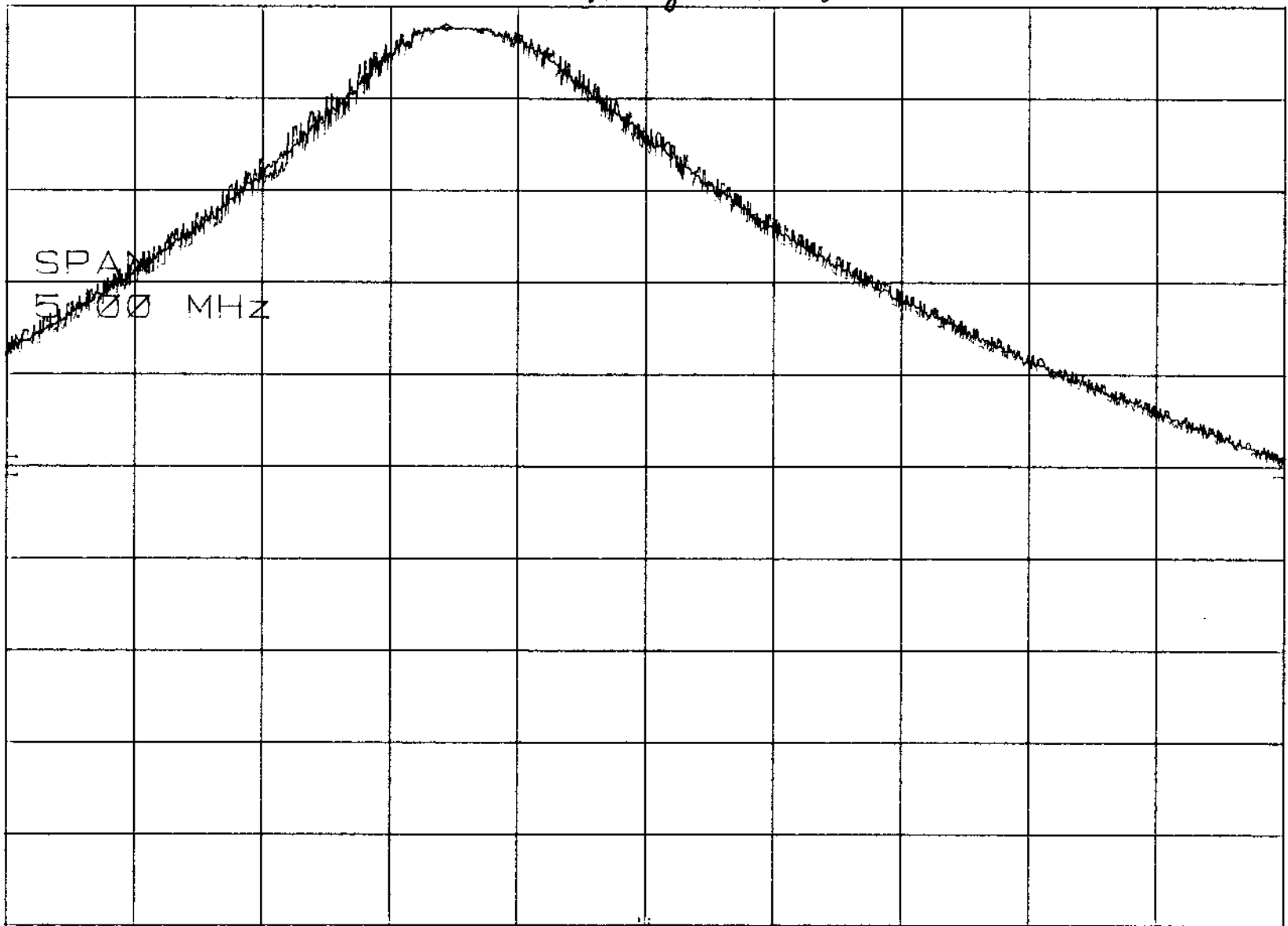
CENTER 1.930 75 GHz

RES BW 1 MHz (1)

VBW 1 MHz

SPAN 5.00 MHz

SWP 37.5 msec



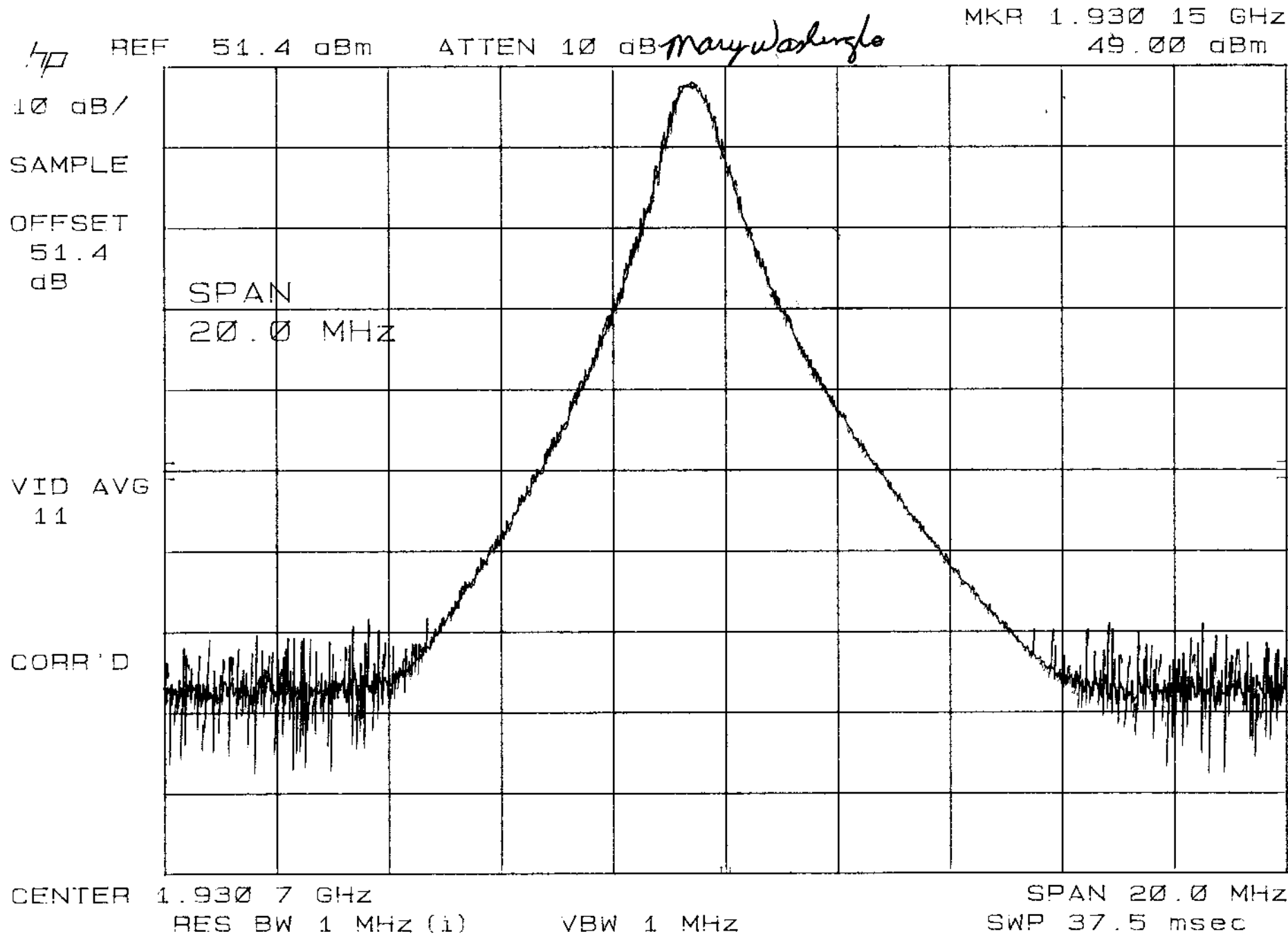
CLIENT: POWERWAVE
SPEC: FCC PART 24, PARAGRAPH 24.238

DATE: 10/13/98

REPORT NO. S8511

NOTES: 1) LOW CHANNEL GSM

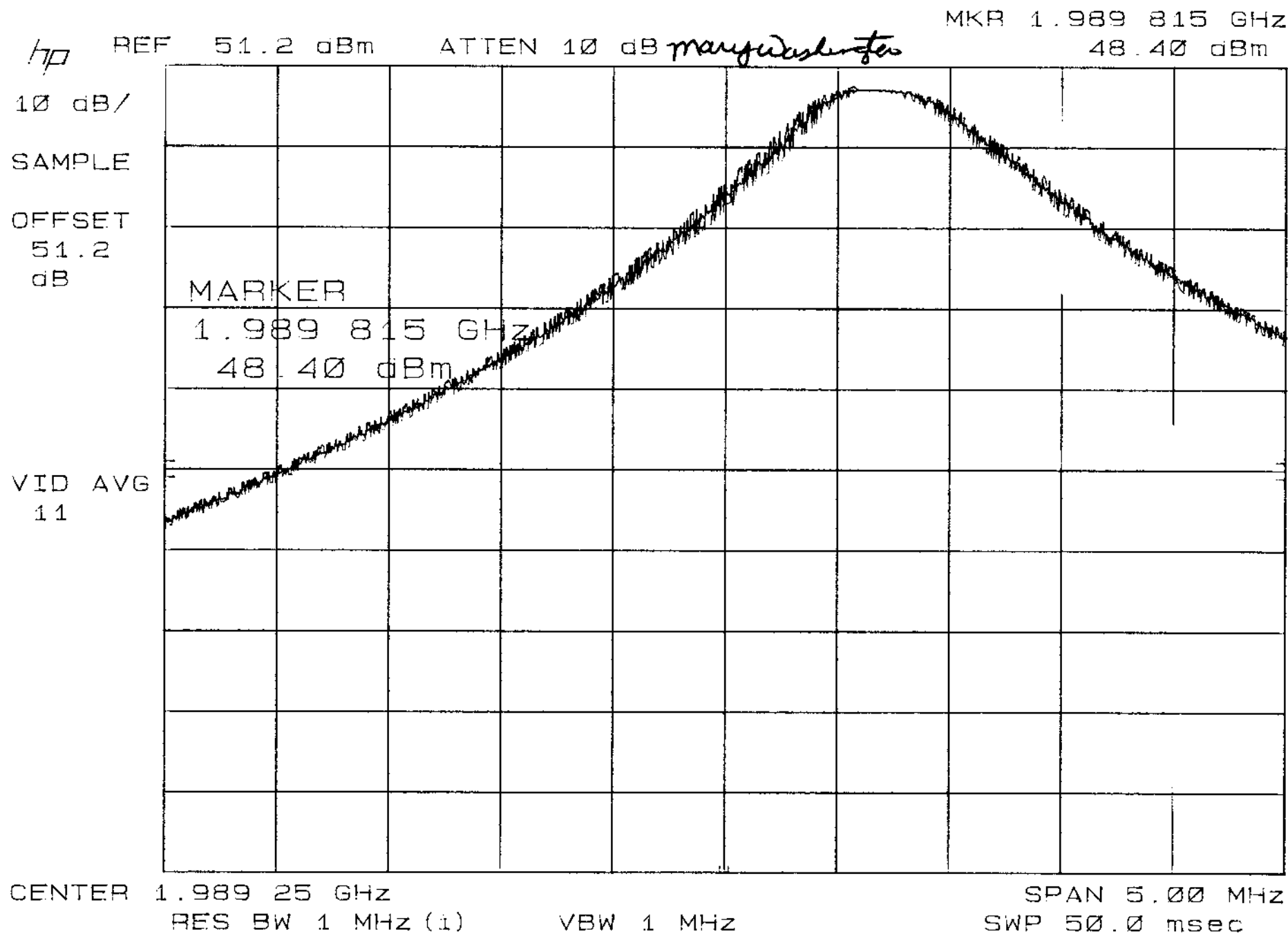
2) Above f_0



CLIENT: POWERWAVE
SPEC: FCC PART 24, PARAGRAPH 24.238
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/14/98

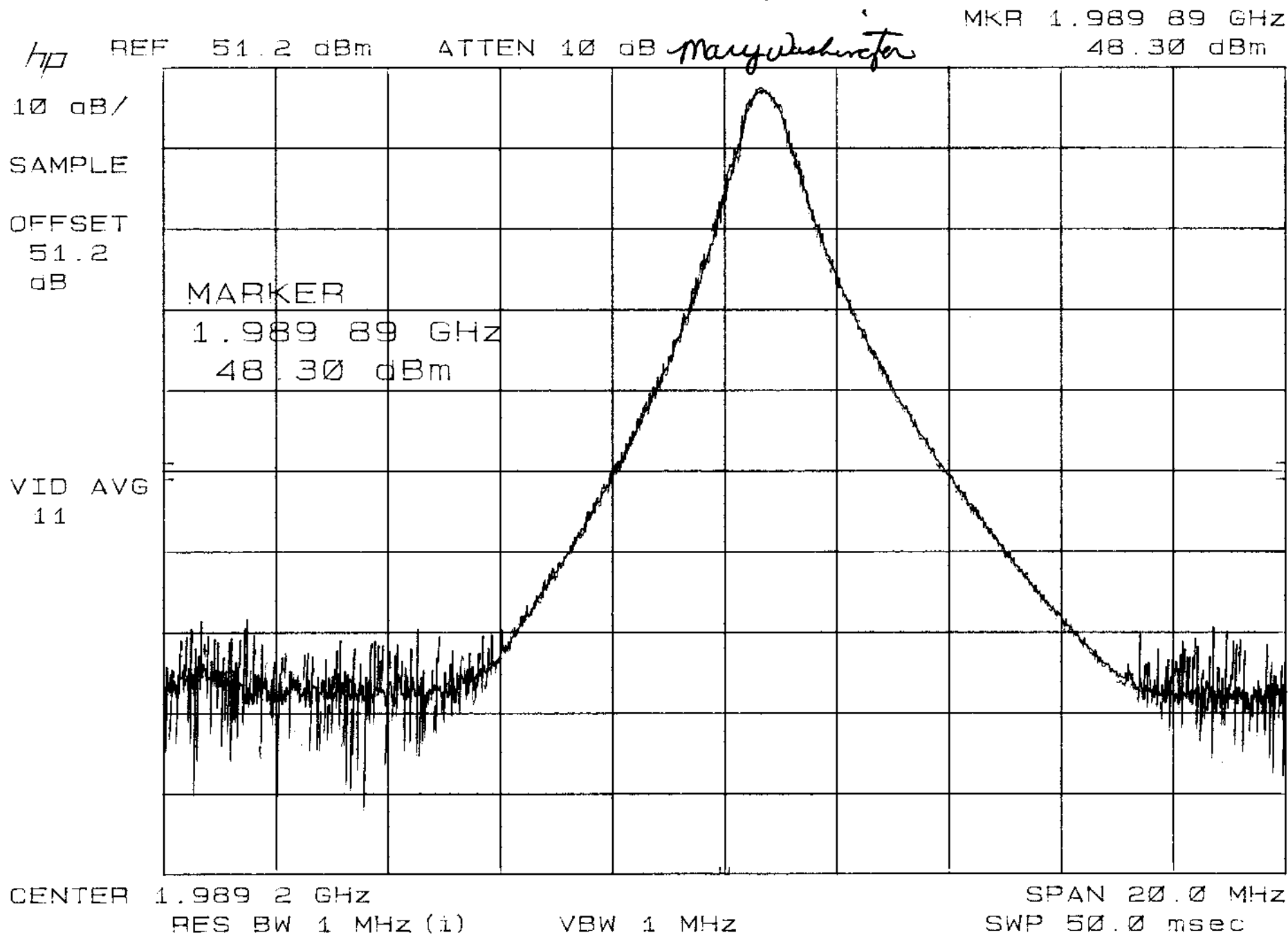
REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 24, PARAGRAPH 24.238
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/14/98

REPORT NO. S8511



CLIENT: POWERWAVE
SPEC: FCC PART 24, PARAGRAPH 24.238
NOTES: 1) HIGH CHANNEL GSM

DATE: 10/14/98

REPORT NO. S8511

