

APPLICANT: MOTOROLA

TRANSCIVER TYPE: IHET5YP1

SC4812T @800 MHz CDMA BTS FRAME

TEST REPORT EXHIBIT

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Cellular Infrastructure Group

FCC ID: IHET5YP1

SECTION A

SUMMARY OF RF MEASUREMENTS

APPLICANT: MOTOROLA

TRANSCEIVER TYPE: IHET5YP1

Summary of Radiated RF Measurements

WORST TRANSMIT RADIATED RF SPUR LEVEL FOR SC4812T @800 MHz BTS FRAME

SPUR FREQUENCY (GHz)	DISTANCE MEASURED (meters)	SPUR LEVEL MEASURED (dB μ V/meter)	SPUR LEVEL MEASURED (dBm)	FCC MAX LIMIT dBm
2.609	3	42.52	-52.71	-13

FCC Max. Limit Per 47 CFR 22.917:

“ =Transmitted Power (10 Log₁₀ (P_{watt})) - (43 + 10 Log₁₀ (P_{watt})) dBW

“ =10 Log₁₀ (P_{watt}) - (43 + 10 Log₁₀ (P_{watt})) dBW

“ =-43 dBW

“ =-13 dBm

Larry J. Collins 1-7-99

Radiated Engineer

Date

APPLICANT: MOTOROLA

TRANSCEIVER TYPE: IHET5YP1

Summary of Conducted RF Measurements

SPUR LEVEL MEASURED (dBm)	FREQUENCY (GHz)	SPUR LEVEL SPEC (dBm Max)
-54.26	1.78662	-13.0

Jim G'Bea 1-7-99

Conducted Engineer

Date



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Cellular Infrastructure Group

FCC ID: IHET5YP1

SECTION B

MODULATION CHARACTERISTICS



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SECTION B

FCC ID: IHET5YP1

MODULATION CHARACTERISTICS

Maximum Power

CDMA ANALYZER

Rho **0.9730**

Time Offset **1.50** us

Frequency Error **-10.3** Hz

Avg Carrier Feedthru **-31.5** dB

RF Channel
1013

Input Atten
40 dB

Input Port
RF In/Ant

Anl Special
0

Synth Ref
10

CDMA TB
19.6608

PN Offset
0.00

Even Sec In
Enable/Not

Meas Intvl
1.25 ns

Gain
Auto/Hold
36 dB

Anl Dir
Fwd/Rev

Analyzer
Arr Meas
Single/Cont
Disarn

Qual Event
None
Tris Event
80 ns

To Screen
RF GEN
RF ANL
AF ANL
SCOPE
SPEC ANL
ENCODER
DECODER
RADIO INT
More

Channel **1013**
869.70 MHz
Maximum Power

IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

HP 8921A Cell Site Test Set: 12/14/98 08:37:00 pm
 Measurements HELD. Enter HOLD again to resume.

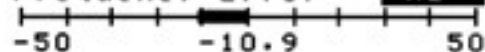
C

CDMA ANALYZER

Rho 0.9720

Time Offset 1.28 us

Frequency Error Hz



Avg

Carrier Feedthru dB

-30.3

RF Channel

777

Input Atten

40 dB

Input Port

RF In/Ant

Anl Special

0

Synth Ref

10

CDMA TB

19.6608

PN Offset

30.00

Even Sec In

Enable/Not

Meas Intvl

1.25

ns

Gain

Auto/Hold

36 dB

Anl Dir

End/Rev

Analyzer

Arm Meas

Single/Cont

Disarm

Qual Event

None

Tris Event

80 ns

To Screen

RF GEN

RF ANL

AF ANL

SCOPE

SPEC ANL

ENCODER

DECODER

RADIO INT

More

Channel 777
 893.31 MHz
 Maximum Power

IHET5YP1
 SC4812T @800 MHz
 CDMA BTS Frame



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SECTION B

FCC ID: IHET5YP1

MODULATION CHARACTERISTICS

Minimum Power

CDMA ANALYZER

Rho **0.9767**

Time Offset **1.50** **us**

Frequency Error **Hz**
 -50 -14.2 50
 Avg

Carrier Feedthru **-27.7** **dB**

RF Channel
1013

Input Atten
0 dB

Input Port
RF In/Ant

Anl Special
0

Synth Ref
10

CDMA TB
19.6608

PN Offset
0.00

Even Sec In
Enable/Not

Meas Intvl
1.25 **ms**

Gain
Auto/Hold
24 dB

Anl Dir
End/Rev

Analyzer
Arr Meas
Single/Cont
Disarm

Qual Event
None
 Trig Event
80 ms

To Screen
RF GEN
RF ANL
AF ANL
SCOPE
SPEC ANL
ENCODER
DECODER
RADIO INT
More

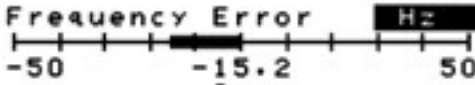
Channel 1013
 869.70 MHz
 Minimum Power

IHET5YP1
 SC4812T @800 MHz
 CDMA BTS Frame

HP 8921A Cell Site Test Set: 12/14/98 08:30:00 pm
Measurements HELD. Enter HOLD again to resume.

C

CDMA ANALYZER

Rho 0.9758 Time Offset 1.28 us		Frequency Error Hz  -50 -15.2 50 Avg Carrier Feedthru -28.9 dB		
RF Channel 777 Input Atten 0 dB Input Port RF In/Ant Anl Special 0	Synth Ref 10 CDMA TB 19.6608 PN Offset 30.00 Even Sec In Enable/Not	Meas Intvl 1.25 ms Gain Auto/Hold 24 dB Anl Dir Ewd/Rev	Analyzer Arr Meas Single/Cont Disarm Qual Event None Trig Event 80 ms	To Screen RF GEN RF ANL AF ANL SCOPE SPEC ANL ENCODER DECODER RADIO INT More

Channel 777
893.31 MHz
Minimum Power

IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame



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FCC ID: IHET5YP1

SECTION C

SPURIOUS & HARMONIC EMISSIONS RADIATED

APPLICANT: MOTOROLA

TRANSCEIVER TYPE: IHET5YP1

Radiated RF Measurements

WORST RADIATED RF SPUR LEVEL FOR SC4812T @800 MHz

TRANSMIT CHANNEL	SPUR FREQUENCY (GHz)	MEASURED SIGNAL LEVEL dBuV/meter	MEASURED Signal Level (dBm)	FCC, Part 22 MAX LIMIT (dBm)
1013V 1013H	2.609 2.609	42.04 42.52	-53.19 -52.71	-13 -13
777V 777H	2.679 2.679	36.43 38.20	-58.50 -57.03	-13 -13

Converting dBuV/meter to dBm when Part 22 is done at 3 meters.

1. $(\text{dBuV/M} / 20) * (\text{Inverse Log}) = \text{uV/M}$

2. $\text{Log}(\text{uV/M} / 57735) * 20 = \text{dBm}$

Example 42.52 dBuV/m to dBm

$(42.52 \text{ dBuV/m} / 20) * (\text{Inverse Log}) = 68.60 \text{ uV/M}$

$\text{Log}(68.60 \text{ uV/m} / 57735) * 20 = -52.71 \text{ dBm}$

If the test is done at 10 meters, the first formula would remain the same. The 2nd is as follows $\text{Log}[(\text{uV/m} * 1/ (3 * 57735)/10)] * 20 \text{ dBm}$

Levy J. Collins 1-7-99

Radiated Engineer

Date



MOTOROLA

Cellular Infrastructure Group

FCC ID: IHET5YP1

SECTION D

SPURIOUS & HARMONIC EMISSIONS CONDUCTED

NOTE: The plots for conducted spurious and harmonic emissions are measured in peak mode. The higher (than 46.5 dBm) levels measured in peak mode are expected, due to typical CDMA peak to average performance. The average power level was set to 46.5 dBm using an HP438A power meter.



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SECTION D

FCC ID: IHET5YP1

SPURIOUS & HARMONIC EMISSIONS CONDUCTED

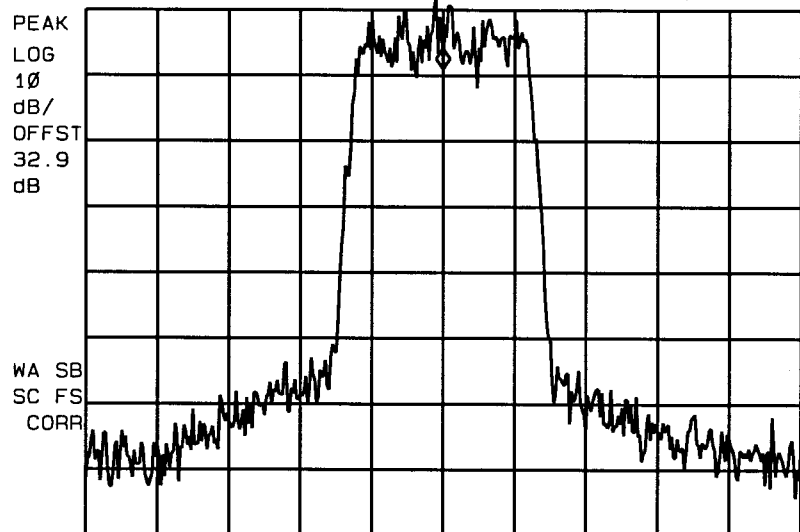
CDMA Transmitter Channel 1013

Maximum Power

Channel 1013 Maximum Power

16:09:10 DEC 15, 1998

REF 39.9 dBm #AT 40 dB MKR 869.700 MHz
30.87 dBm



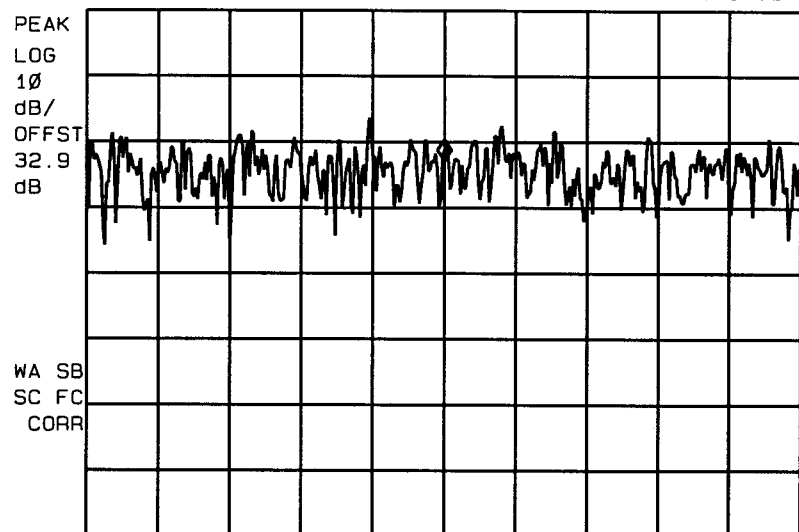
CENTER 869.700 MHz SPAN 5.000 MHz
#RES BW 30 kHz VBW 30 kHz SWP 20.0 msec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

btsate
12-15-98
17:14:01

16:10:04 DEC 15, 1998

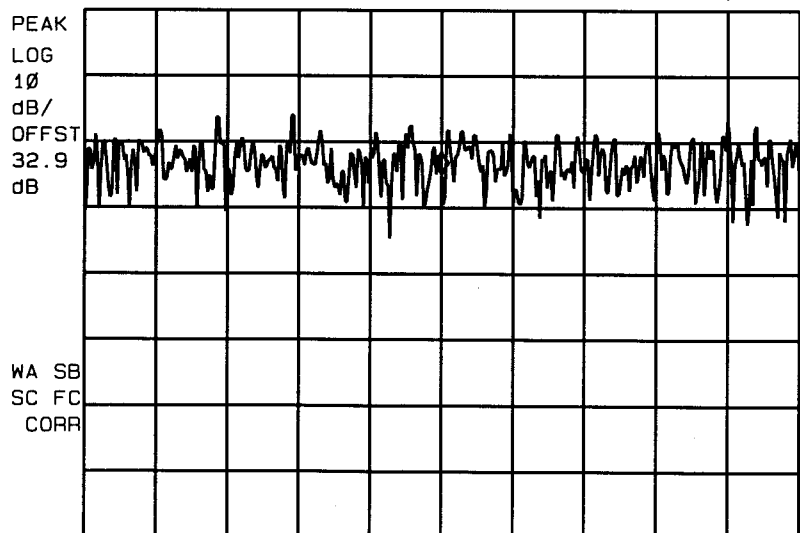
REF -37.1 dBm #AT 40 dB MKR 1.739400000 GHz
-59.89 dBm



CENTER 1.739400000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

16:10:25 DEC 15, 1998

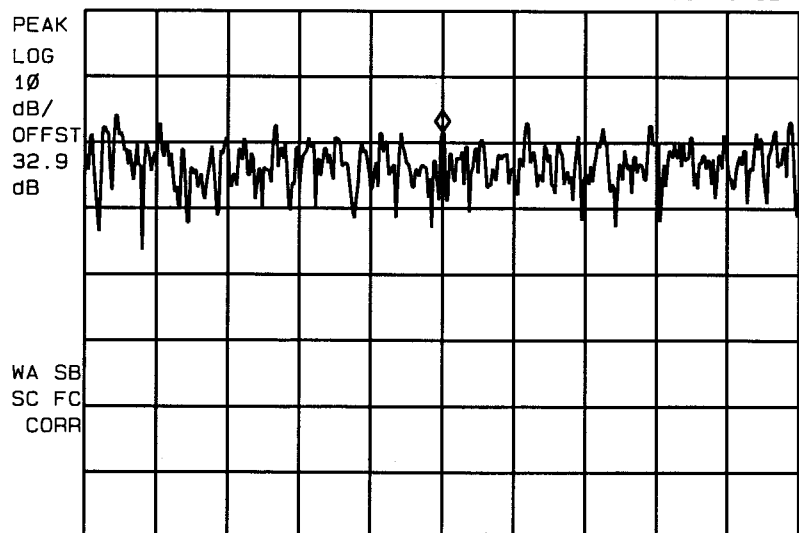
REF -37.1 dBm #AT 40 dB MKR 2.609100000 GHz
-61.90 dBm



CENTER 2.609100000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

16:10:57 DEC 15, 1998

REF -37.1 dBm #AT 40 dB MKR 3.478800000 GHz
-55.43 dBm

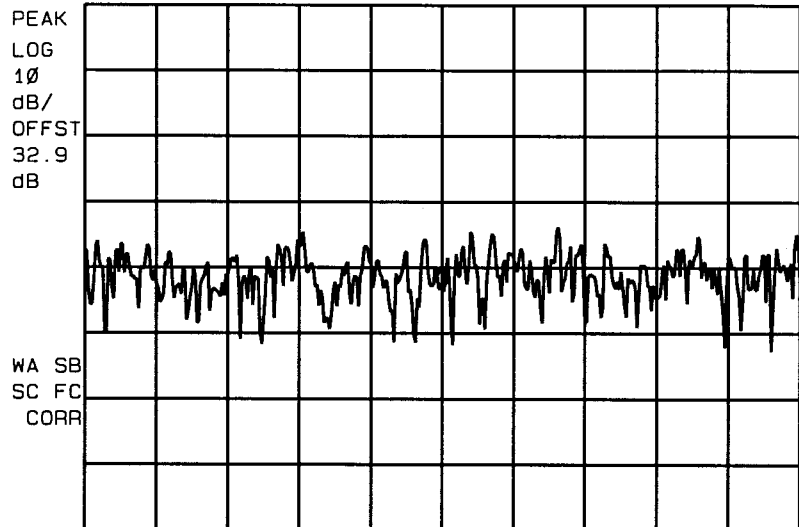


CENTER 3.478800000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

Channel 1013 Maximum Power

09:45:37 DEC 15, 1998

REF -29.0 dBm #AT 30 dB MKR 4.348500000 GHz -72.20 dBm



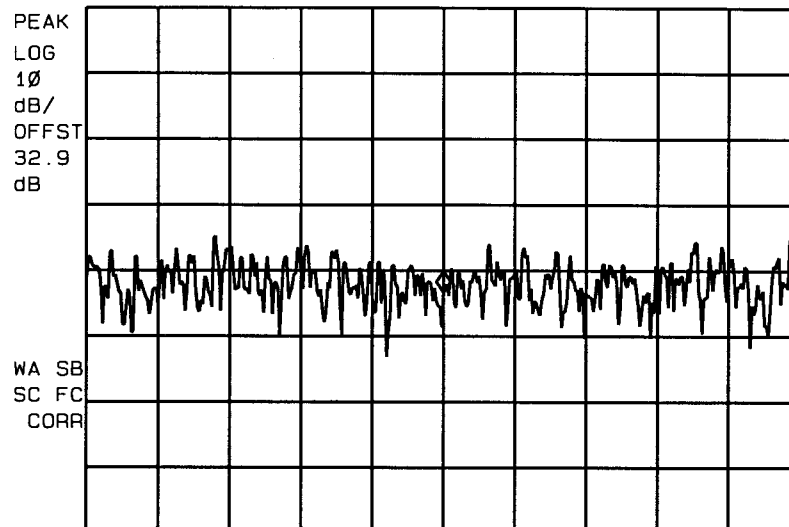
CENTER 4.348500000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

btsate
12-15-98
10:51:15

09:46:25 DEC 15, 1998

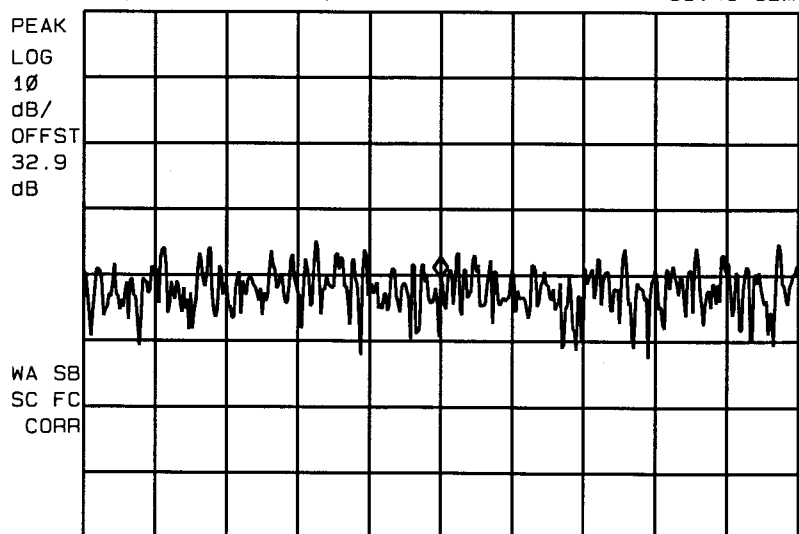
REF -29.0 dBm #AT 30 dB MKR 5.218200000 GHz -72.30 dBm



CENTER 5.218200000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

09:46:50 DEC 15, 1998

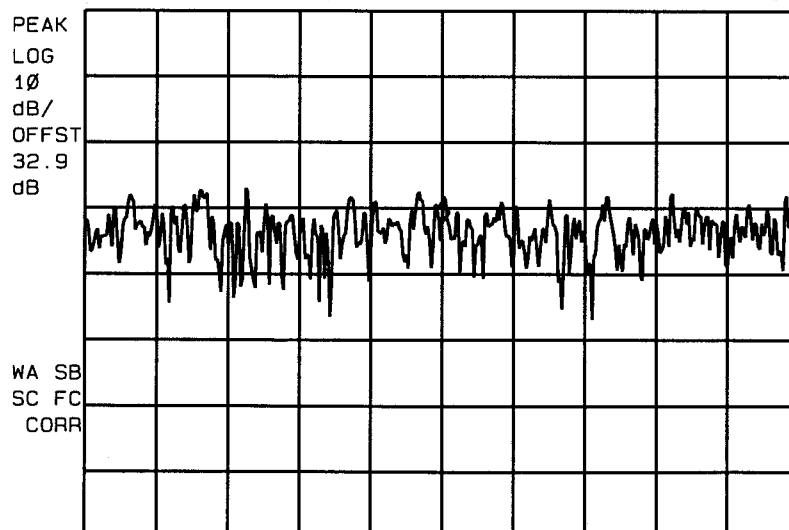
REF -29.0 dBm #AT 30 dB MKR 6.087900000 GHz -69.41 dBm



CENTER 6.087900000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

09:48:11 DEC 15, 1998

REF -29.0 dBm #AT 30 dB MKR 6.957600000 GHz -61.21 dBm



CENTER 6.957600000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

Channel 1013 Maximum Power

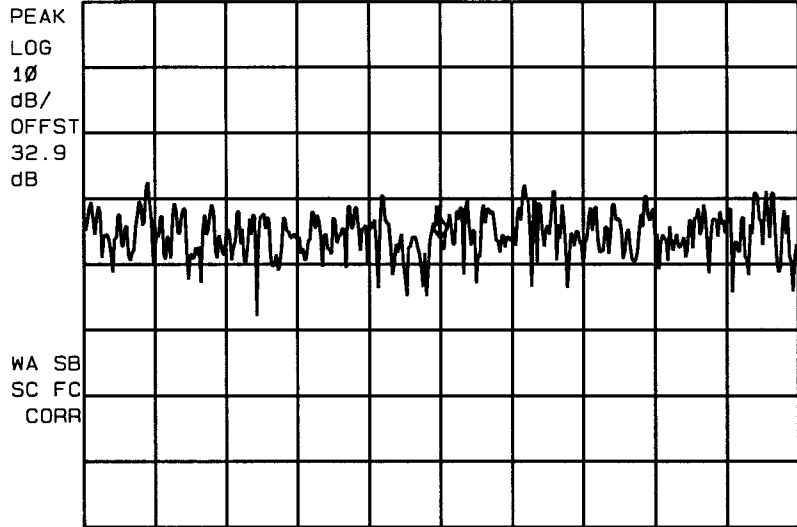
09:57:43 DEC 15, 1998

MKR 7.8273000000 GHz

REF -29.0 dBm

#AT 30 dB

-65.11 dBm



CENTER 7.8273000000 GHz

SPAN 2.000 kHz

#RES BW 30 Hz

VBW 30 Hz

SWP 6.67 sec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

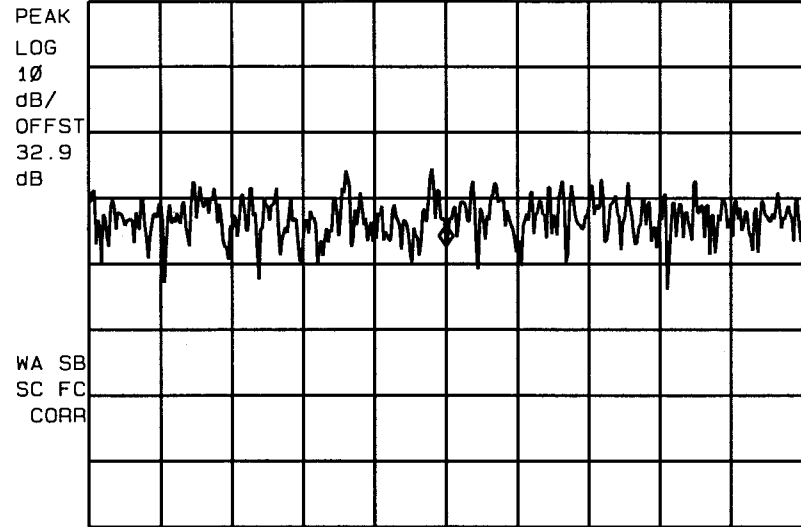
09:58:12 DEC 15, 1998

MKR 8.6970000000 GHz

REF -29.0 dBm

#AT 30 dB

-66.33 dBm



CENTER 8.6970000000 GHz

SPAN 2.000 kHz

#RES BW 30 Hz

VBW 30 Hz

SWP 6.67 sec

btsate
12-15-98
11:01:16



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SECTION D

FCC ID: IHET5YP1

SPURIOUS & HARMONIC EMISSIONS CONDUCTED

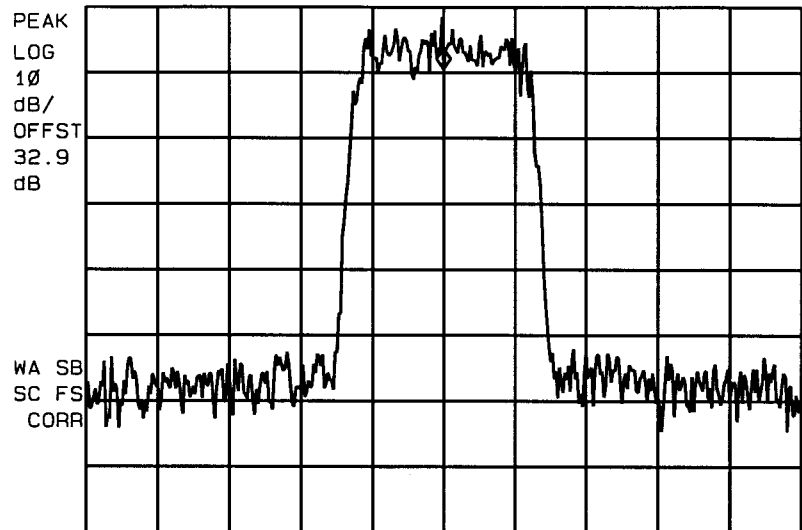
CDMA Transmitter Channel 1013

Minimum Power

Channel 1013 Minimum Power

15:23:34 DEC 15, 1998

REF 19.6 dBm #AT 30 dB MKR 869.700 MHz
10.10 dBm

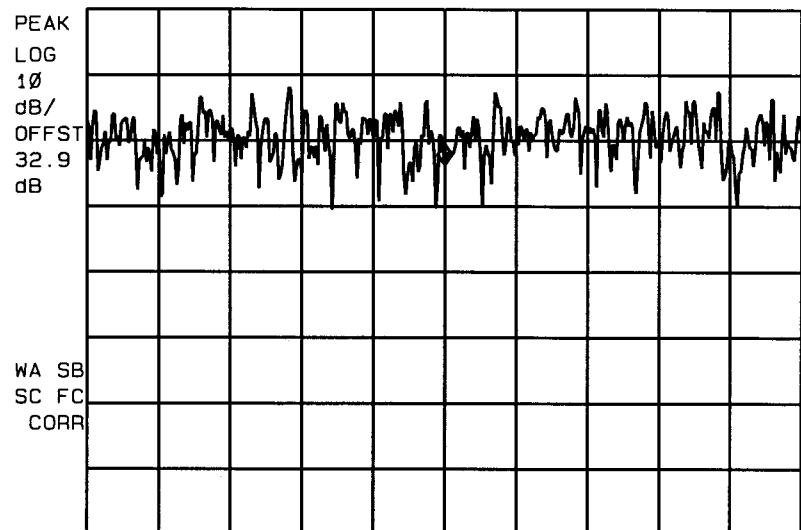


CENTER 869.700 MHz SPAN 5.000 MHz
#RES BW 30 kHz VBW 30 kHz SWP 20.0 msec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

15:25:07 DEC 15, 1998

REF -52.4 dBm #AT 30 dB MKR 1.739400000 GHz
-76.14 dBm

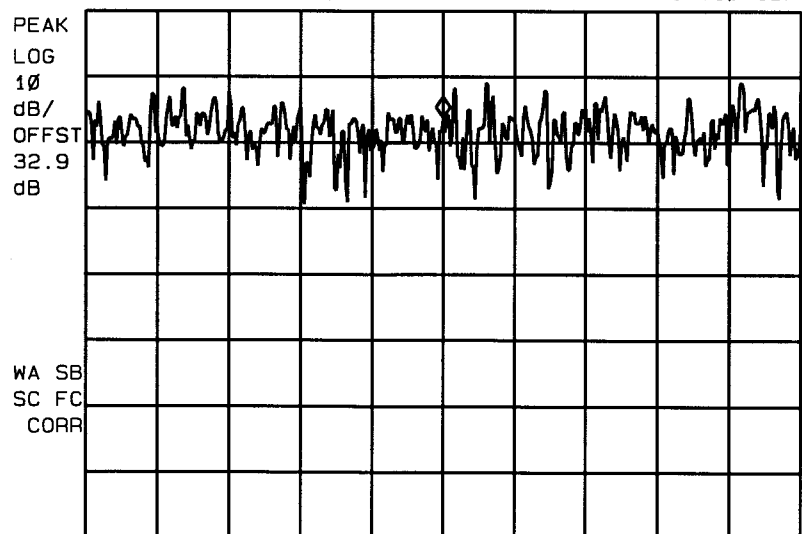


CENTER 1.739400000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

btsate
12-15-98
16:30:32

15:25:34 DEC 15, 1998

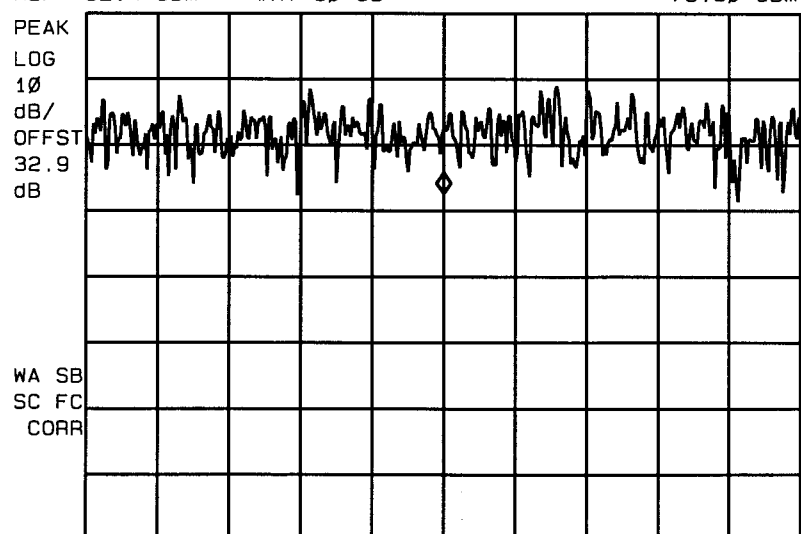
REF -52.4 dBm #AT 30 dB MKR 2.609100000 GHz
-68.60 dBm



CENTER 2.609100000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

15:27:28 DEC 15, 1998

REF -52.4 dBm #AT 30 dB MKR 3.478800000 GHz
-79.80 dBm

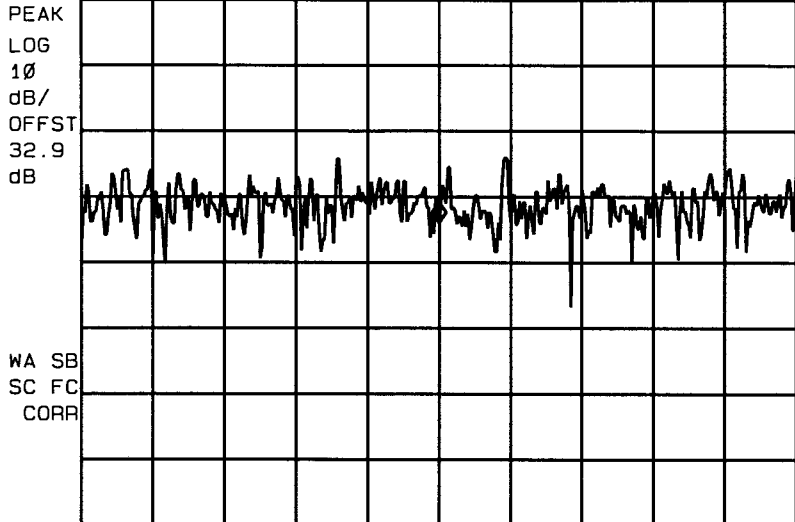


CENTER 3.478800000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

Channel 1013 Minimum Power

11:42:51 DEC 15, 1998

REF -39.4 dBm #AT 30 dB MKR 4.348500000 GHz
-73.36 dBm

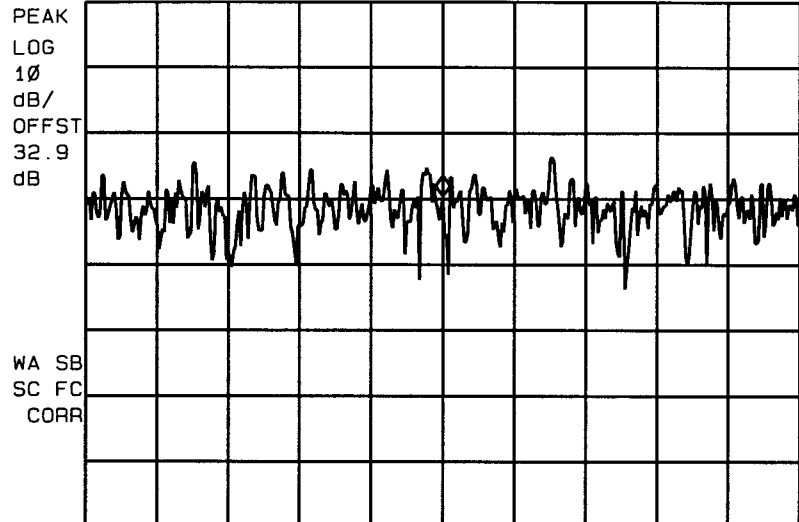


CENTER 4.348500000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

11:43:10 DEC 15, 1998

REF -39.4 dBm #AT 30 dB MKR 5.218200000 GHz
-69.04 dBm

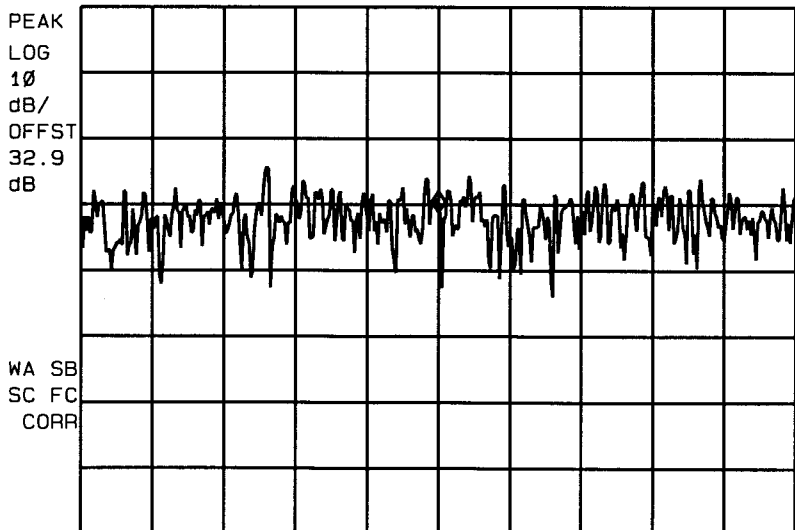


CENTER 5.218200000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

btsate
12-15-98
12:47:14

11:43:31 DEC 15, 1998

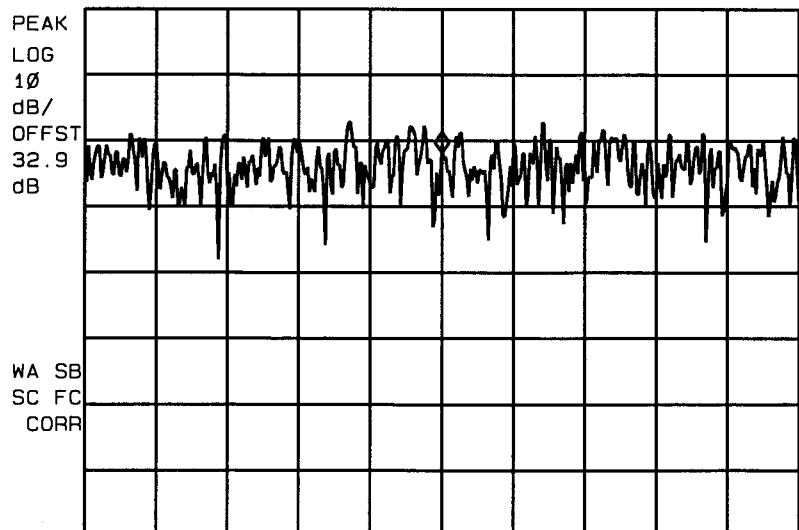
REF -39.4 dBm #AT 30 dB MKR 6.087900000 GHz
-70.59 dBm



CENTER 6.087900000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

11:44:10 DEC 15, 1998

REF -39.4 dBm #AT 30 dB MKR 6.957600000 GHz
-61.28 dBm

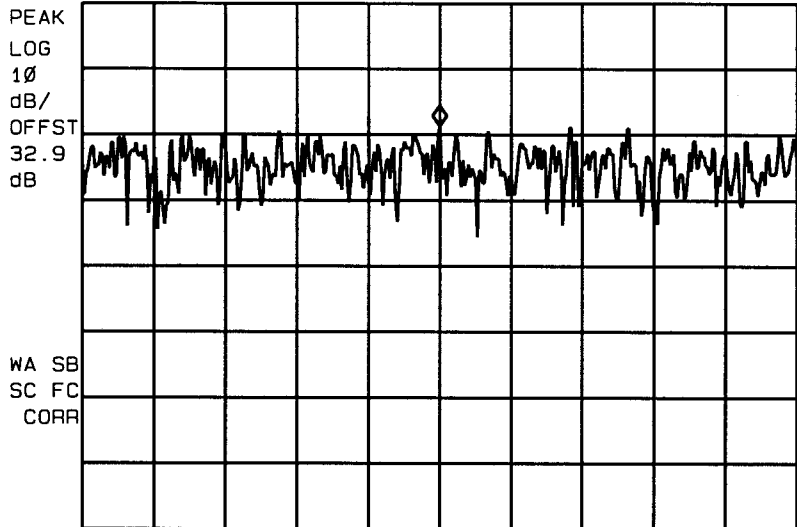


CENTER 6.957600000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

Channel 1013 Minimum Power

11:46:56 DEC 15, 1998

REF -39.4 dBm #AT 30 dB MKR 7.8273000000 GHz -58.14 dBm



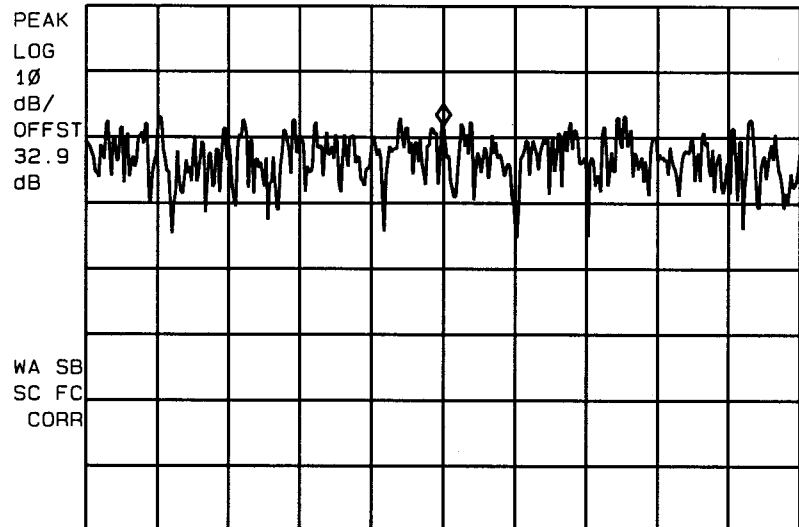
CENTER 7.8273000000 GHz SPAN 2.0000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

btsate
12-15-98
12:50:28

11:47:24 DEC 15, 1998

REF -39.4 dBm #AT 30 dB MKR 8.6970000000 GHz -57.55 dBm



CENTER 8.6970000000 GHz SPAN 2.0000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec



MOTOROLA

Cellular Infrastructure Group

SECTION D

FCC ID: IHET5YP1

SPURIOUS & HARMONIC EMISSIONS CONDUCTED

CDMA Transmitter Channel 777

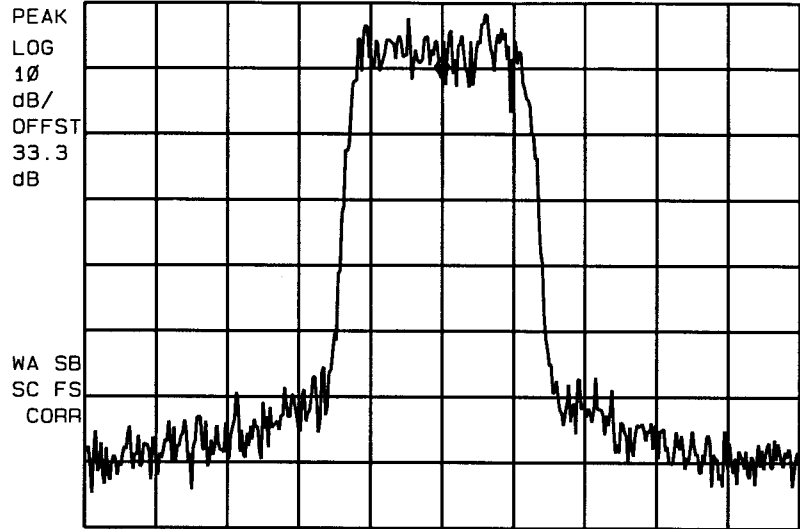
Maximum Power

Channel 777 Maximum Power

16:02:55 DEC 15, 1998

MRK 893.310 MHz
31.62 dBm

REF 43.0 dBm #AT 40 dB



CENTER 893.310 MHz SPAN 5.000 MHz
#RES BW 30 kHz VBW 30 kHz SWP 20.0 msec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

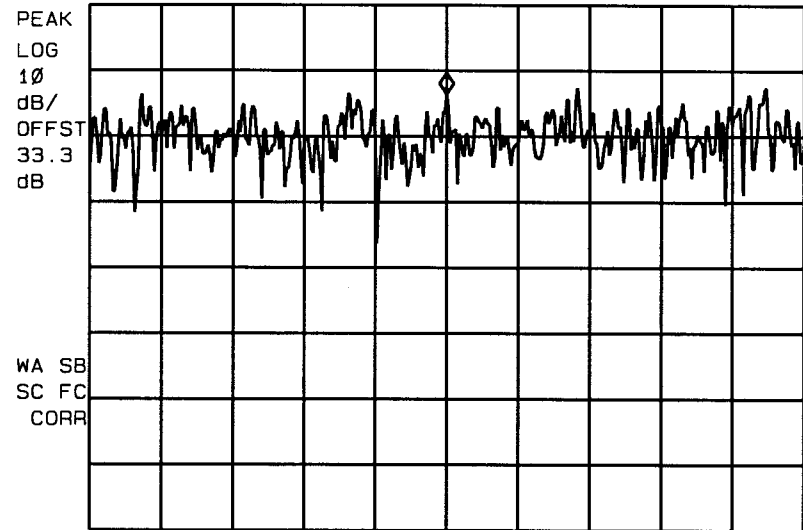
btsate
12-15-98
17:08:35

16:04:51 DEC 15, 1998

MRK 1.78620000 GHz

REF -40.7 dBm #AT 40 dB

-54.26 dBm



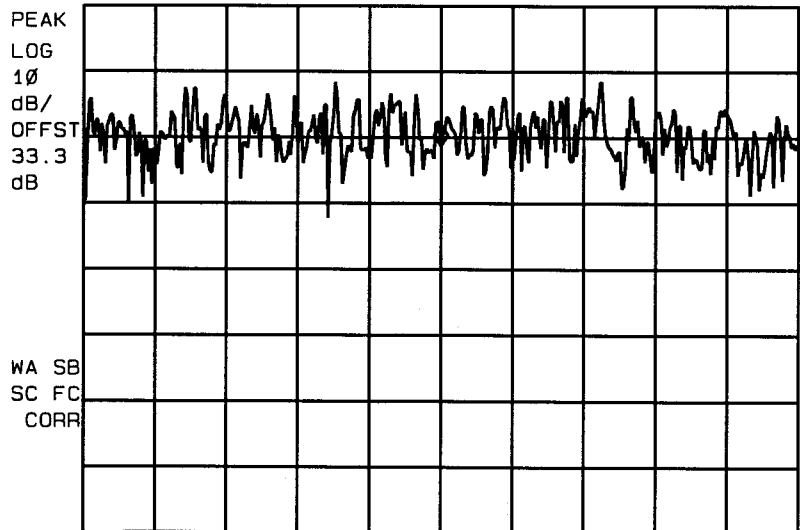
CENTER 1.78620000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

16:05:09 DEC 15, 1998

MRK 2.679930000 GHz

REF -40.7 dBm #AT 40 dB

-61.94 dBm



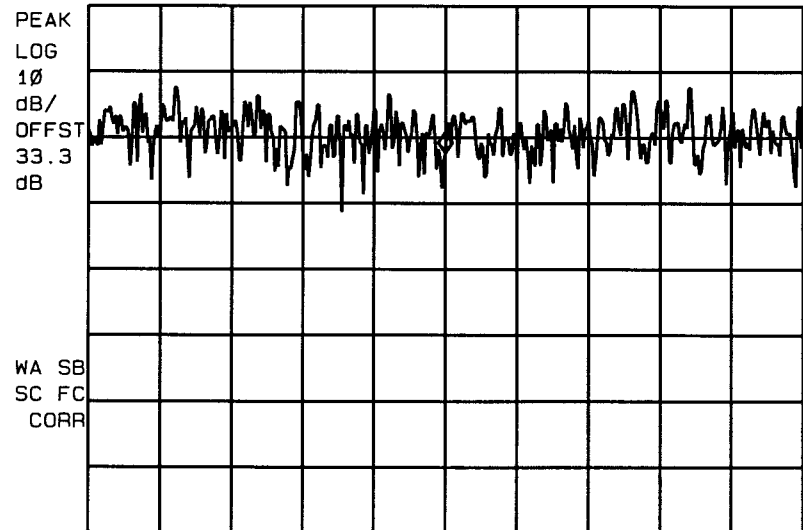
CENTER 2.679930000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

16:05:31 DEC 15, 1998

MRK 3.573240000 GHz

REF -40.7 dBm #AT 40 dB

-63.06 dBm

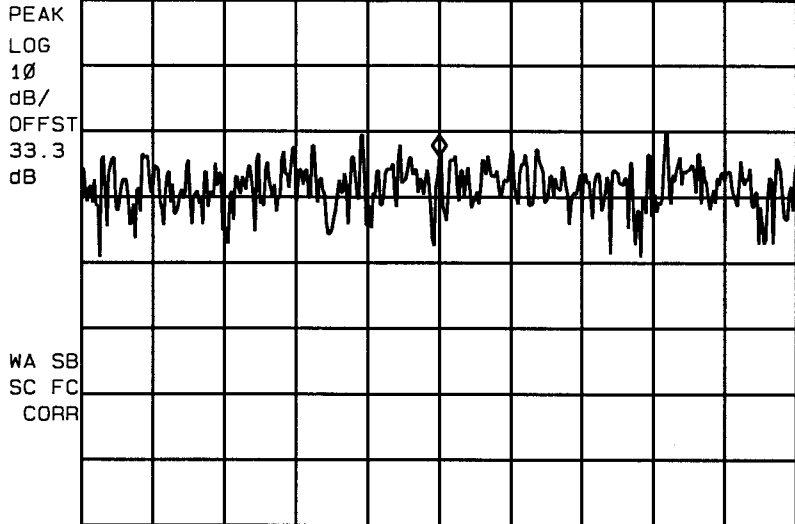


CENTER 3.573240000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

Channel 777 Maximum Power

10:17:48 DEC 15, 1998

REF -32.0 dBm #AT 40 dB MKR 4.466550000 GHz
-55.76 dBm

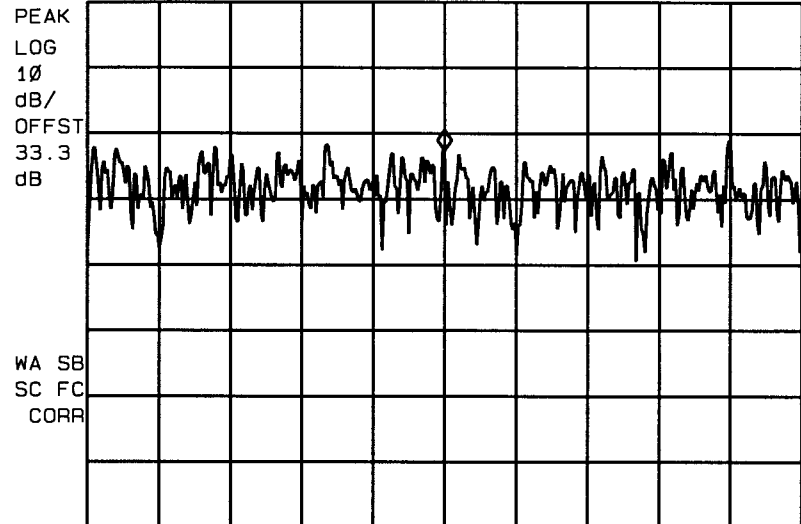


CENTER 4.466550000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

10:18:11 DEC 15, 1998

REF -32.0 dBm #AT 40 dB MKR 5.359860000 GHz
-54.62 dBm

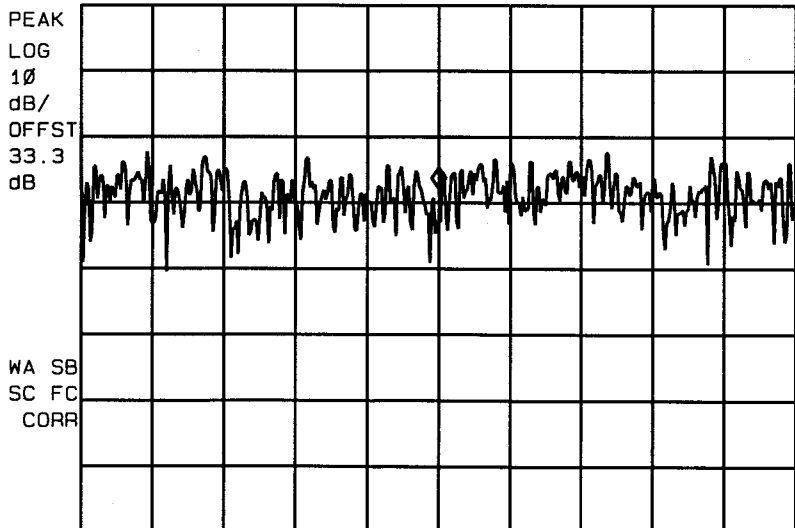


CENTER 5.359860000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

btsate
12-15-98
11:22:50

10:19:08 DEC 15, 1998

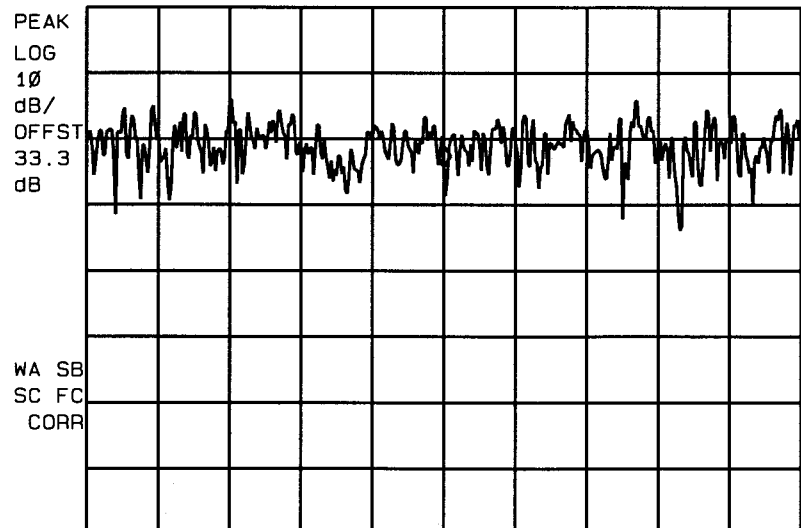
REF -32.0 dBm #AT 40 dB MKR 6.253170000 GHz
-59.87 dBm



CENTER 6.253170000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

10:19:45 DEC 15, 1998

REF -32.0 dBm #AT 40 dB MKR 7.146480000 GHz
-56.25 dBm

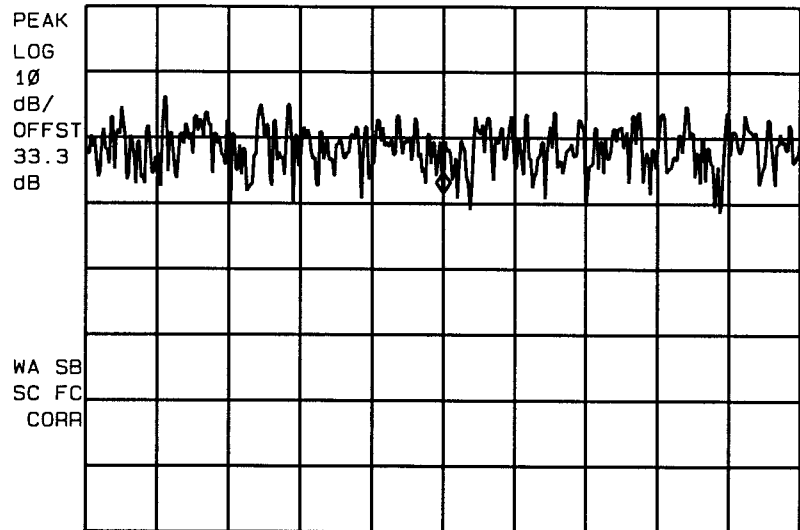


CENTER 7.146480000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

Channel 777 Maximum Power

10:25:27 DEC 15, 1998

REF -32.0 dBm #AT 40 dB MKR 8.039790000 GHz -60.43 dBm



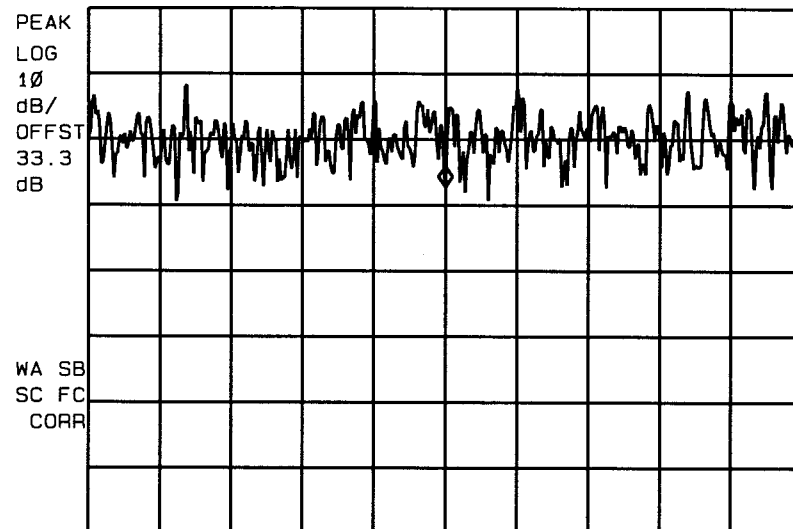
CENTER 8.039790000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

btsate
12-15-98
11:29:07

10:26:02 DEC 15, 1998

REF -32.0 dBm #AT 40 dB MKR 8.933100000 GHz -59.24 dBm



CENTER 8.933100000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec



MOTOROLA

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SECTION D

FCC ID: IHET5YP1

SPURIOUS & HARMONIC EMISSIONS CONDUCTED

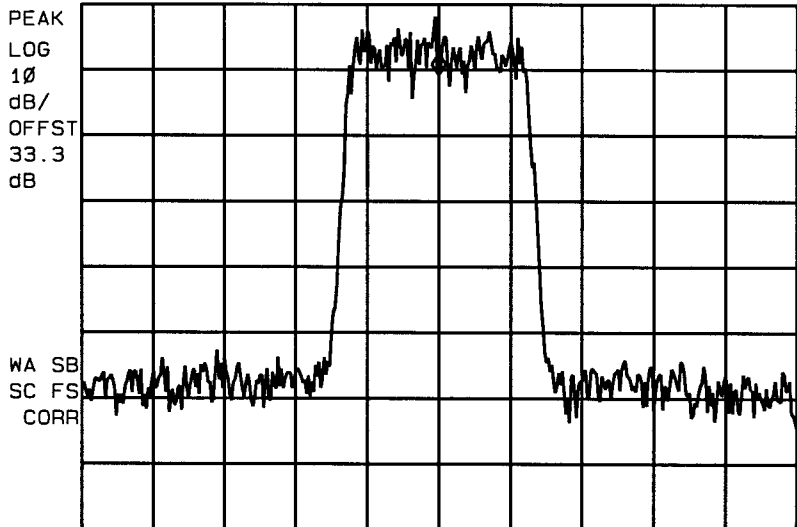
CDMA Transmitter Channel 777

Minimum Power

Channel 777 Minimum Power

15:39:16 DEC 15, 1998

REF 20.0 dBm #AT 30 dB MKR 893.310 MHz 9.23 dBm

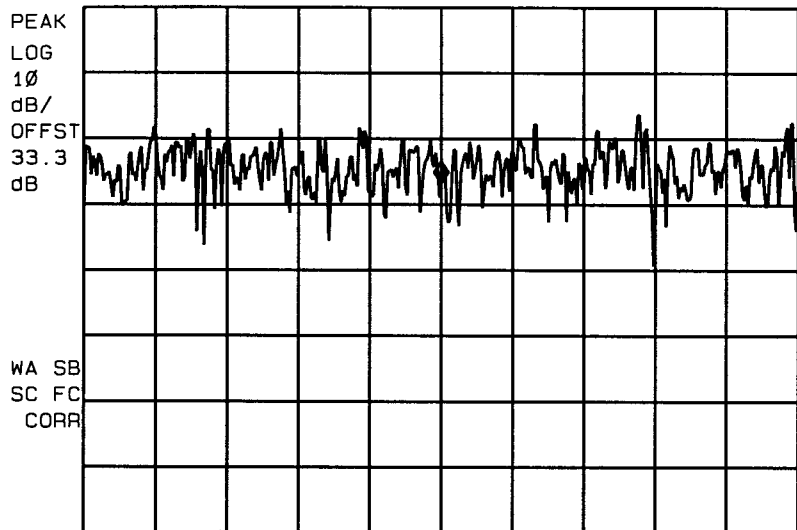


CENTER 893.310 MHz SPAN 5.000 MHz
#RES BW 30 kHz VBW 30 kHz SWP 20.0 msec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

15:39:58 DEC 15, 1998

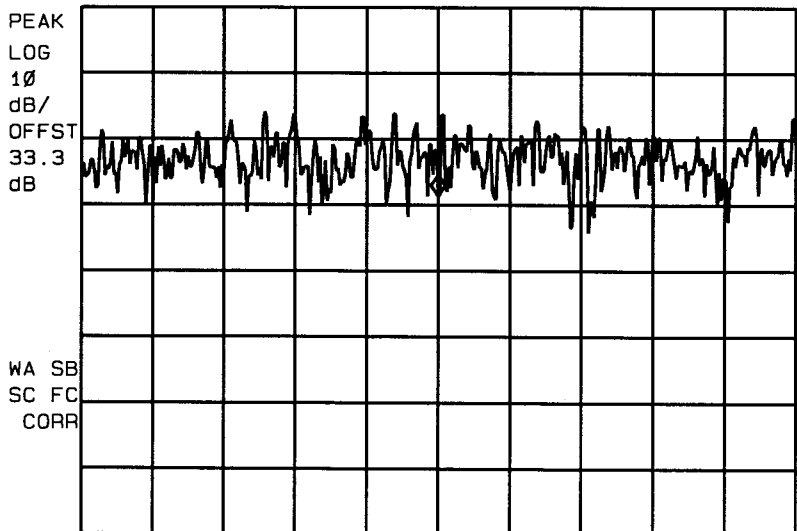
REF -47.0 dBm #AT 30 dB MKR 1.786620000 GHz -73.72 dBm



CENTER 1.786620000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

15:40:22 DEC 15, 1998

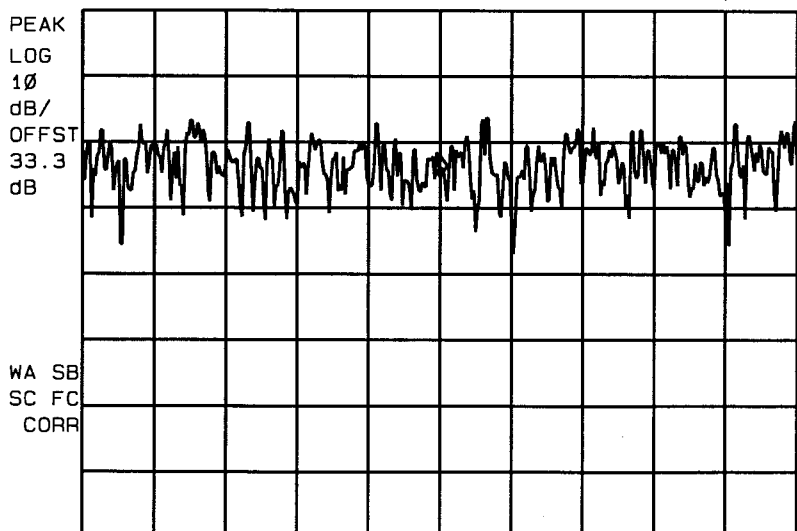
REF -47.0 dBm #AT 30 dB MKR 2.679930000 GHz -75.65 dBm



CENTER 2.679930000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

15:41:01 DEC 15, 1998

REF -47.0 dBm #AT 30 dB MKR 3.573240000 GHz -72.20 dBm



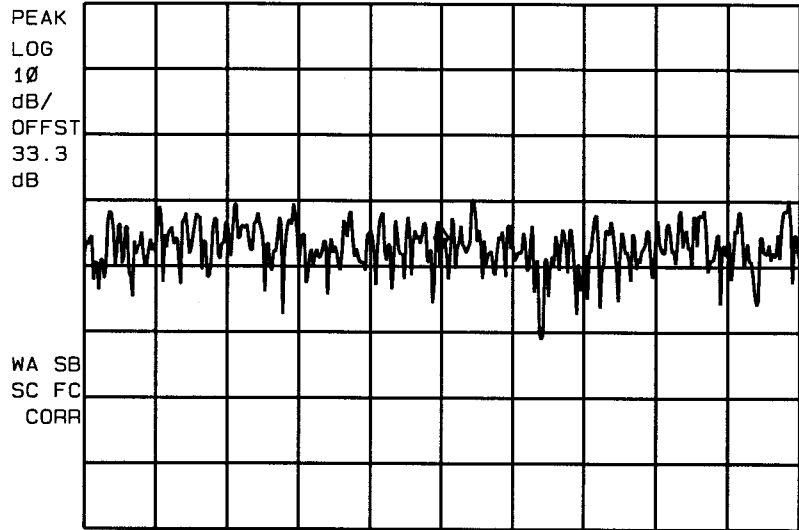
CENTER 3.573240000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

btsate
12-15-98
16:44:05

Channel 777 Minimum Power

11:34:50 DEC 15, 1998

hp MKR 4.466550000 GHz
REF -33.0 dBm #AT 30 dB -70.22 dBm



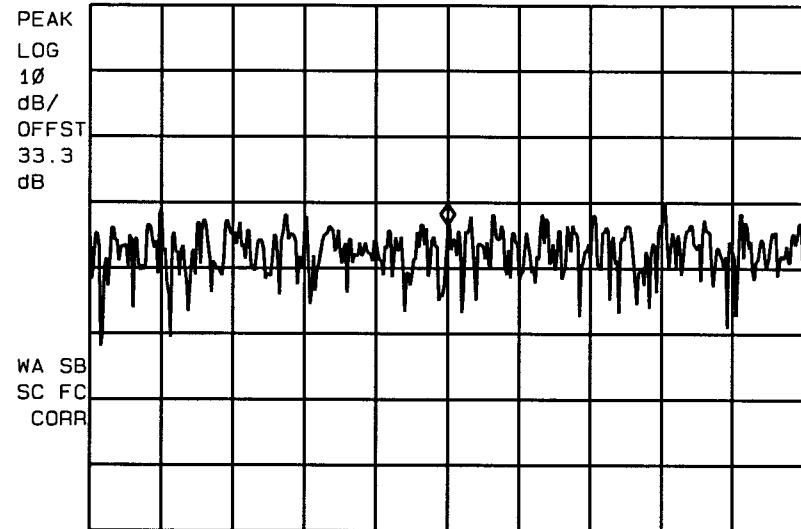
CENTER 4.466550000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

IHET5YP1 SC4812T @800 MHz CDMA BTS Frame

btsate
12-15-98
12:39:03

11:35:12 DEC 15, 1998

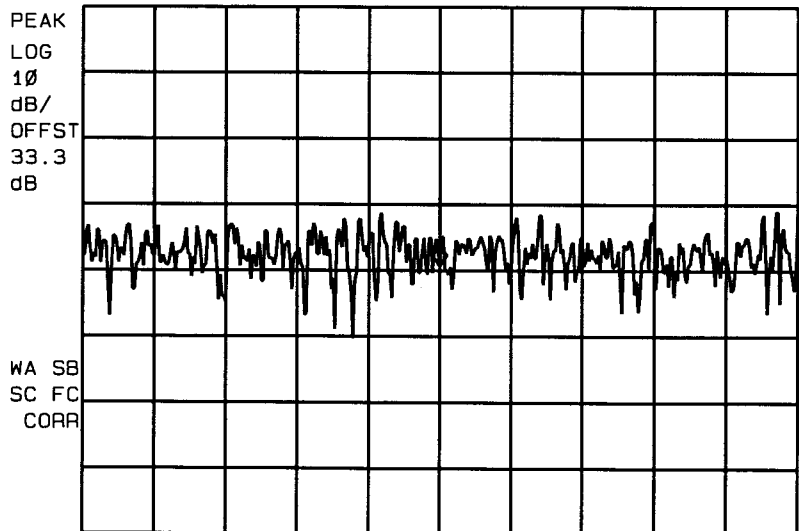
hp MKR 5.359860000 GHz
REF -33.0 dBm #AT 30 dB -66.38 dBm



CENTER 5.359860000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

11:35:30 DEC 15, 1998

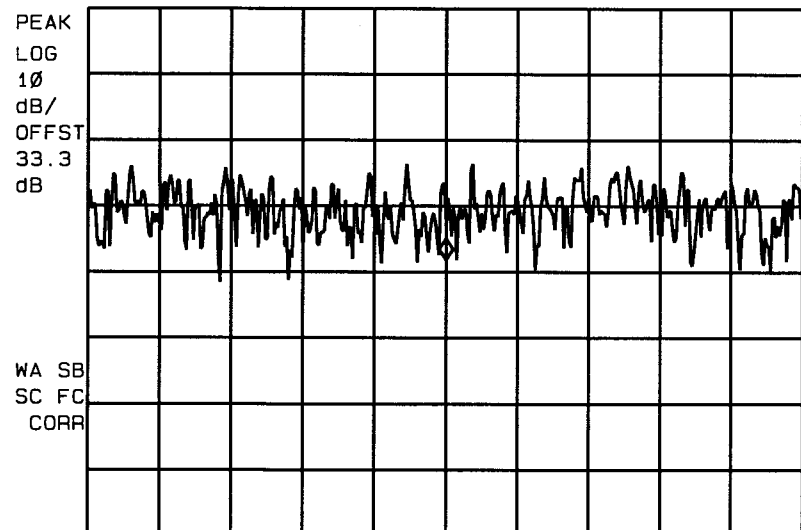
hp MKR 6.253170000 GHz
REF -33.0 dBm #AT 30 dB -72.33 dBm



CENTER 6.253170000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

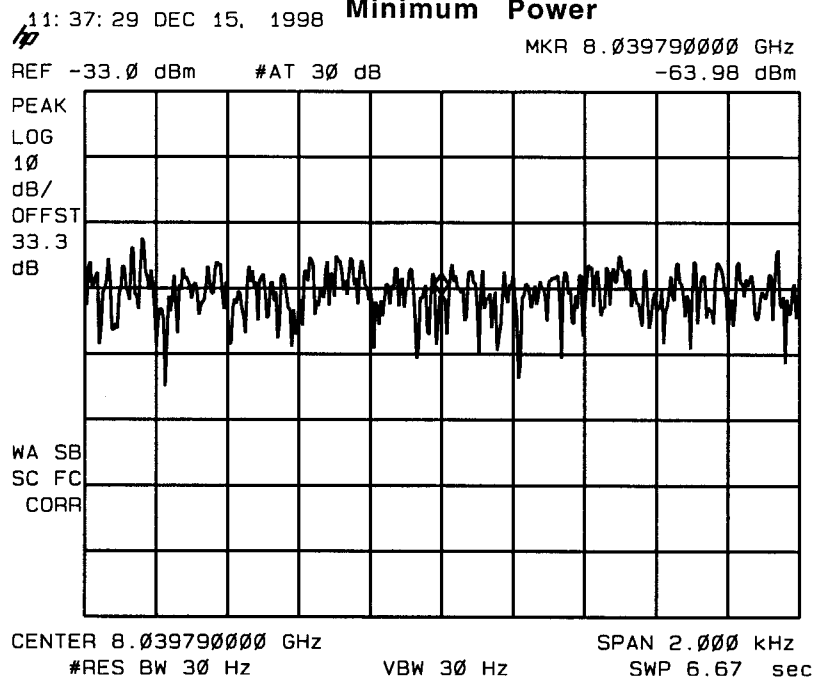
11:35:59 DEC 15, 1998

hp MKR 7.146480000 GHz
REF -33.0 dBm #AT 30 dB -71.17 dBm



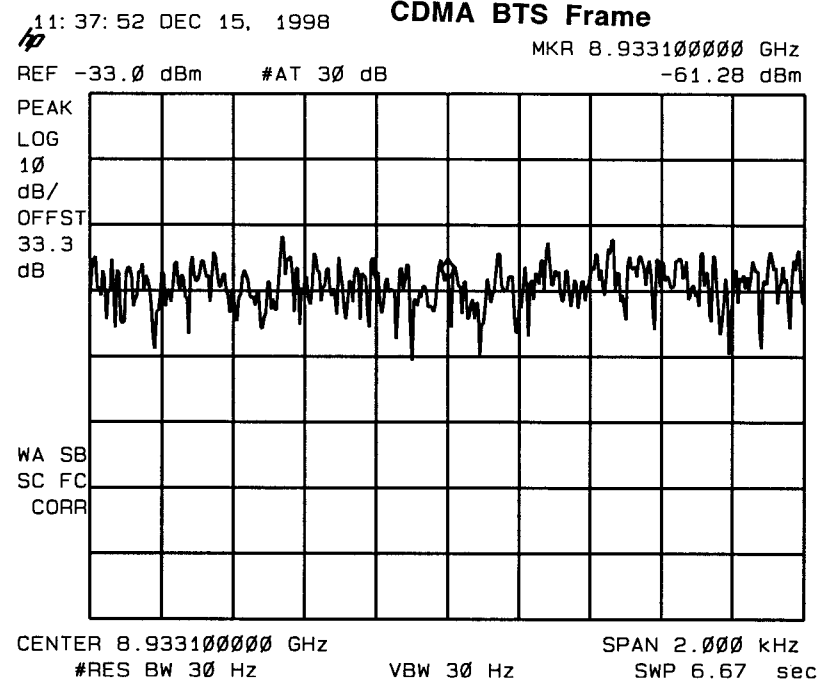
CENTER 7.146480000 GHz SPAN 2.000 kHz
#RES BW 30 Hz VBW 30 Hz SWP 6.67 sec

Channel 777
Minimum Power



IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

btsate
12-15-98
12:40:56





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FCC ID: IHET5YP1

SECTION E

OCCUPIED BANDWIDTH

NOTE: The occupied bandwidth plots are measured in a 30 kHz resolution bandwidth. The following formula is used to obtain the correct zero dB reference point relative to the bandwidth of the 1.2288 MHz CDMA signal.

$$\text{Power(measured in 30 kHz bandwidth)} + 10 \log \frac{1.2288 \text{ MHz}}{30 \text{ kHz}}$$

Example: 30.49 dBm + 16.12 dB^a 46.61 dBm

The output power was set to 46.5 dBm using an HP438A power meter.



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SECTION E

FCC ID: IHET5YP1

OCCUPIED BANDWIDTH

Maximum Power

21: 14: 05 DEC 14, 1998

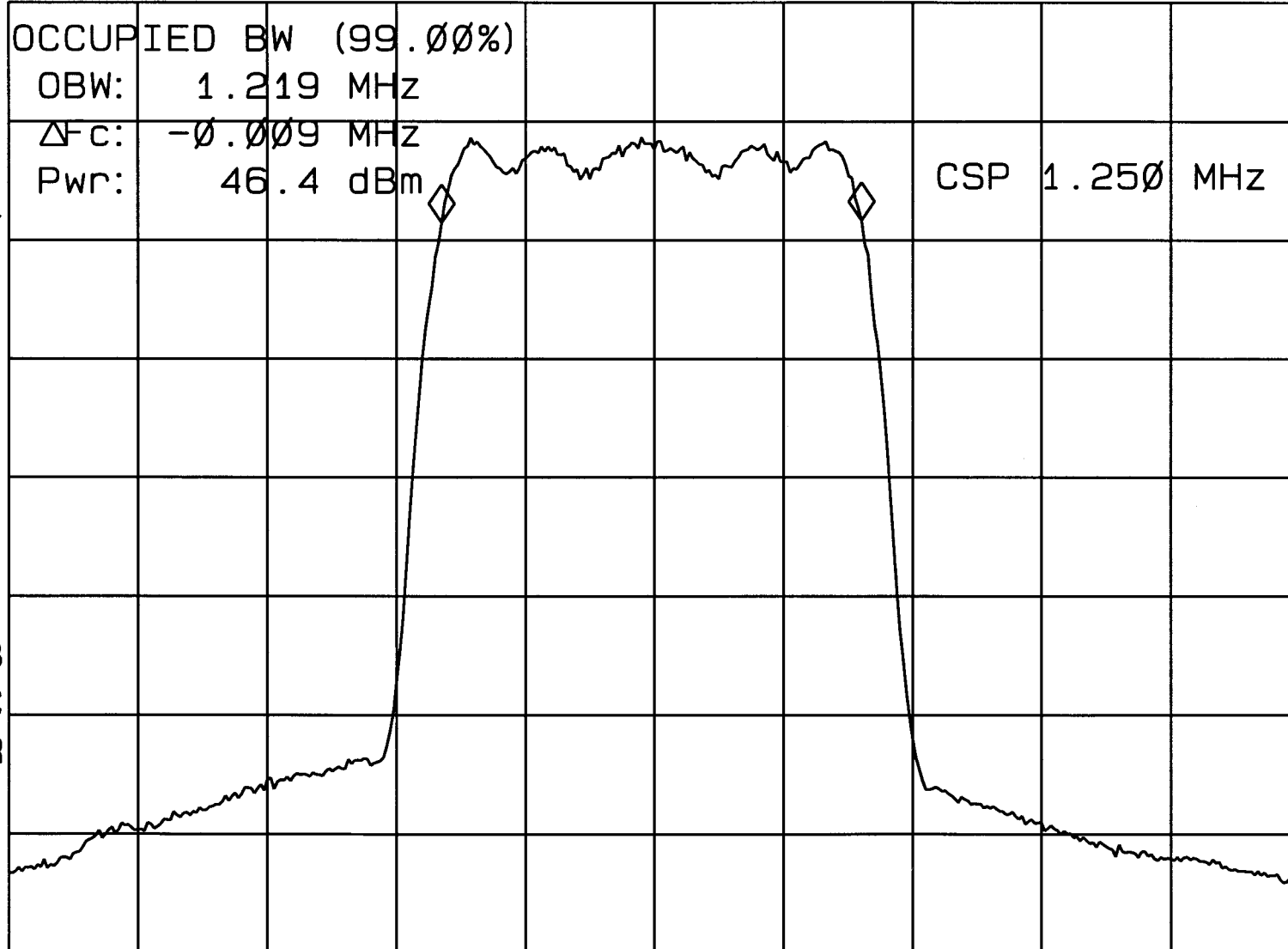
Channel 1013
Maximum Power

IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

REF 43.9 dBm

#AT 40 dB

SMPL
LOG
10
dB/
OFFST
32.9
dB



CENTER 869.700 MHz

#RES BW 30 kHz

#VBW 30 kHz

SPAN 3.750 MHz

SWP 20.0 msec

21:16:48 DEC 14, 1998
HP

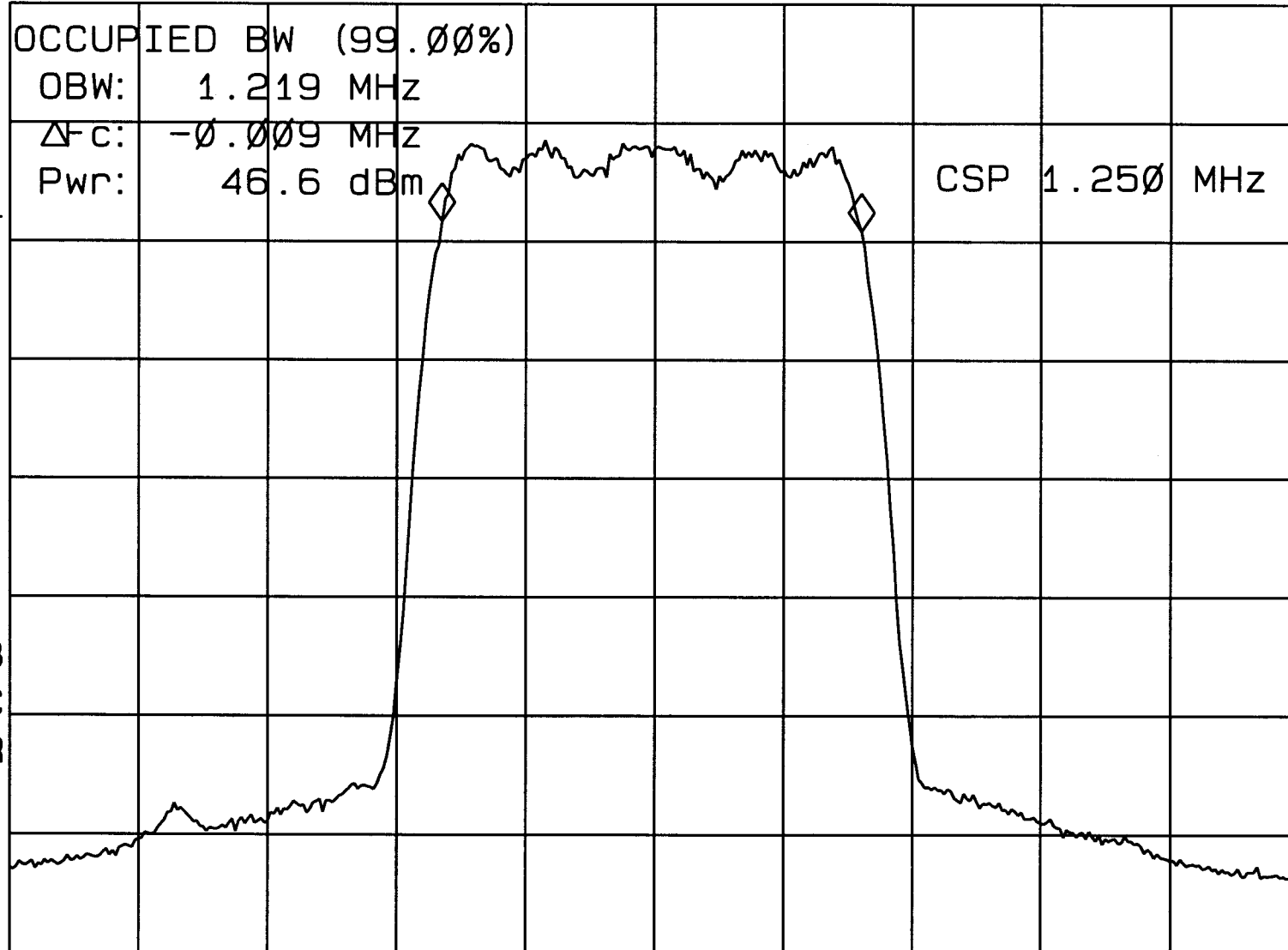
Channel 777
Maximum Power

IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

REF 44.3 dBm

#AT 40 dB

SMPL
LOG
10
dB/
OFFST
33.3
dB



CENTER 893.310 MHz

#RES BW 30 kHz

#VBW 30 kHz

SPAN 3.750 MHz

SWP 20.0 msec



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Cellular Infrastructure Group

SECTION E

FCC ID: IHET5YP1

OCCUPIED BANDWIDTH

Minimum Power

21: 27: 01 DEC 14, 1998
hp

IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

SMPL OCCUPIED BW (99.00%)
LOG OBW: 1.219 MHz
10 Δf: -0.009 MHz
dB/ Pwr: 23.8 dBm
OFFST CSP 1.250 MHz
32.9 dB

AVG 200

WA SB
SC FC
CORR

The figure displays a spectrum plot on a grid. The horizontal axis represents frequency, and the vertical axis represents power in dB. A signal is shown as a noisy line that rises sharply from a baseline, reaches a plateau, and then falls sharply back to the baseline. The plateau is marked with two diamond-shaped cursors. The peak power is indicated as 23.8 dBm. The occupied bandwidth (OBW) is shown as 1.219 MHz. The plot also includes a label for the carrier frequency (CSP) at 1.250 MHz. The plot is titled 'OCCUPIED BW (99.00%)' and includes various measurement parameters such as 'LOG', '10', 'dB/ OFFST', '32.9 dB', 'AVG 200', and 'WA SB SC FC CORR'.

SPAN 3.750 MHz
SWP 20.0 msec

21:25:51 DEC 14, 1998

Channel 777
Minimum Power

IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

REF 19.3 dBm

#AT 40 dB

SMPL

OCCUPIED BW (99.00%)

LOG

OBW: 1.228 MHz

10

Δf_c : -0.014 MHz

dB/

Pwr: 23.6 dBm

OFFST

33.3

dB

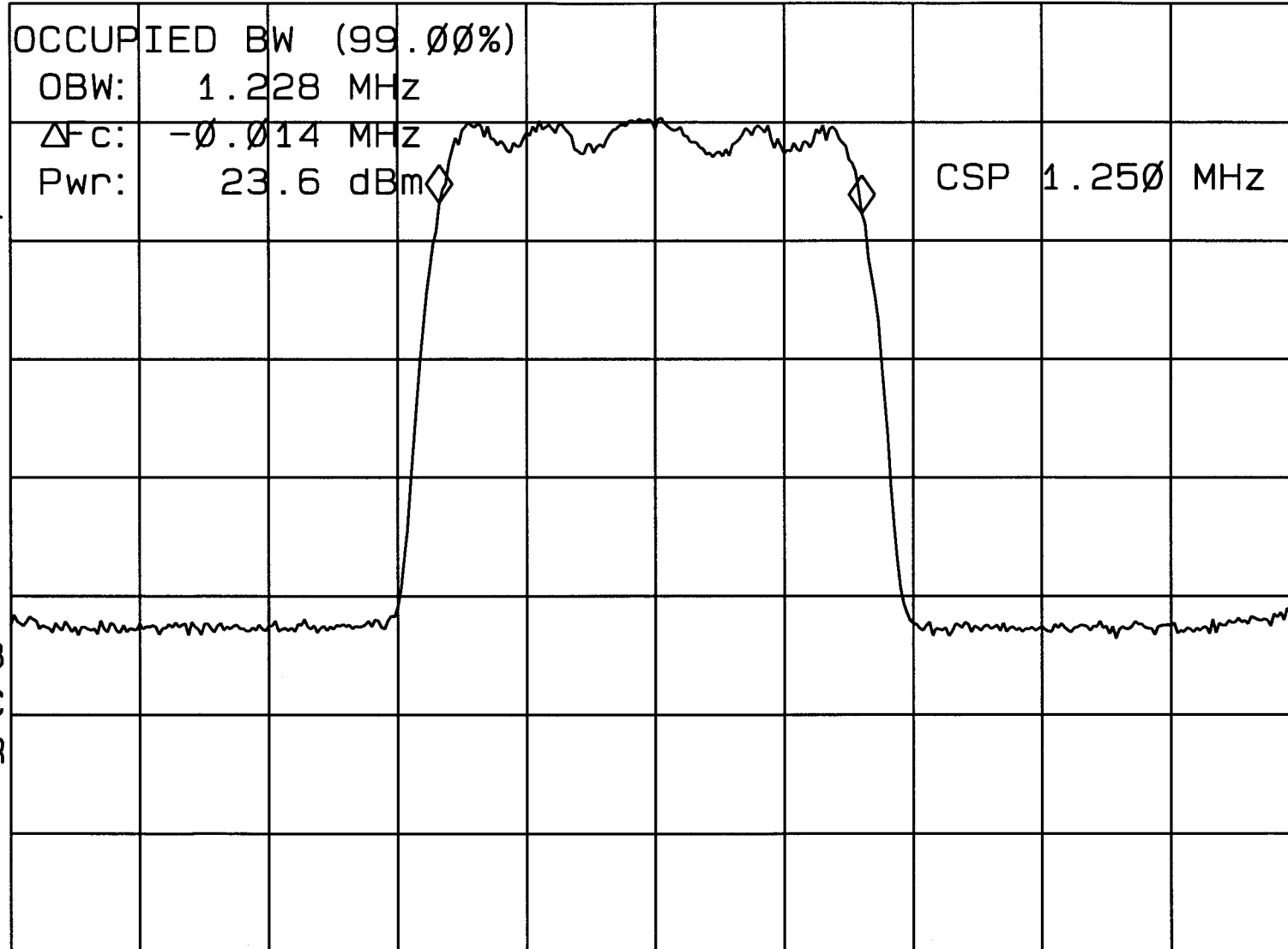
AVG

200

WA SB

SC FC

CORR



CENTER 893.310 MHz

#RES BW 30 kHz

#VBW 30 kHz

SPAN 3.750 MHz

SWP 20.0 msec



MOTOROLA

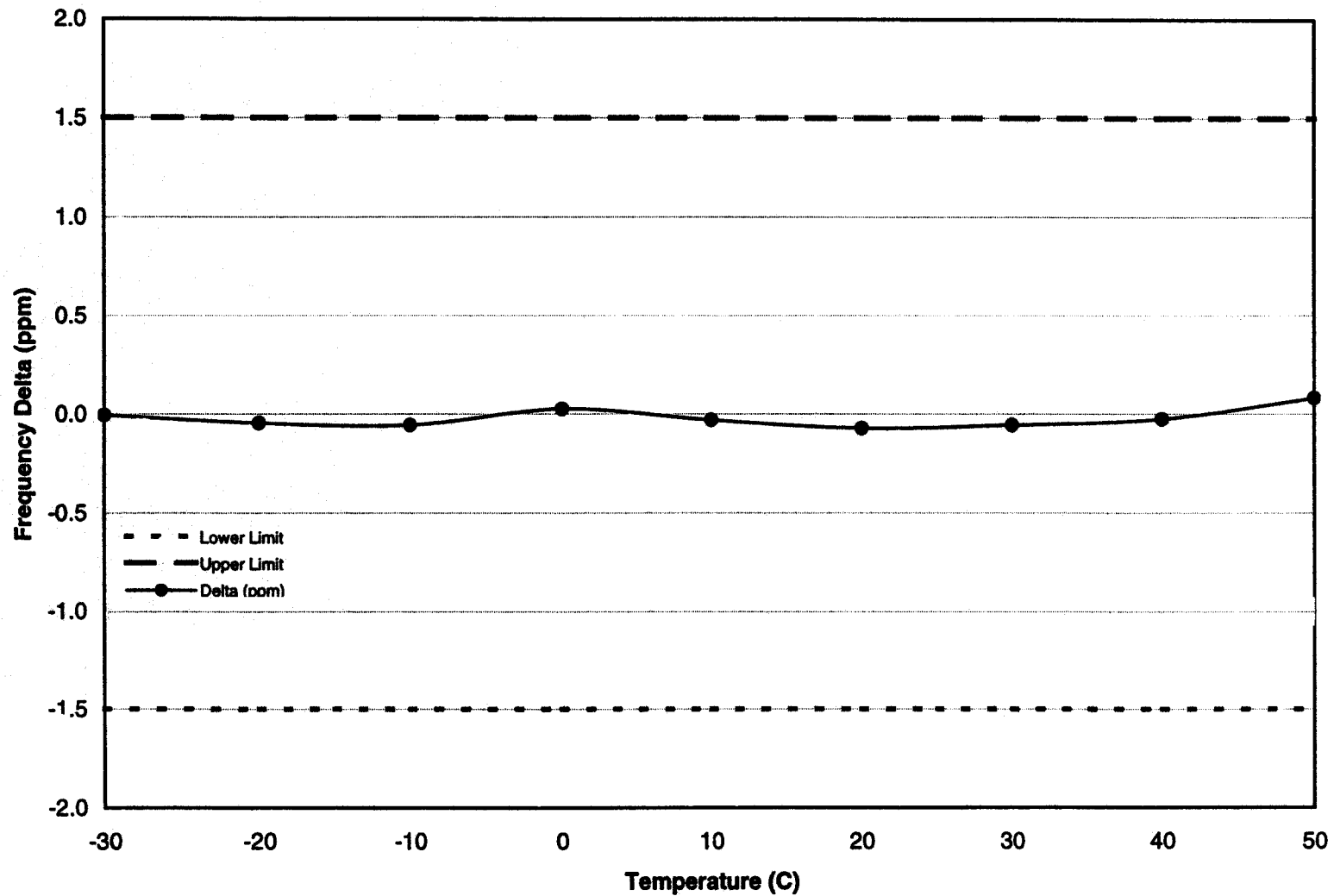
Cellular Infrastructure Group

FCC ID: IHET5YP1

SECTION F

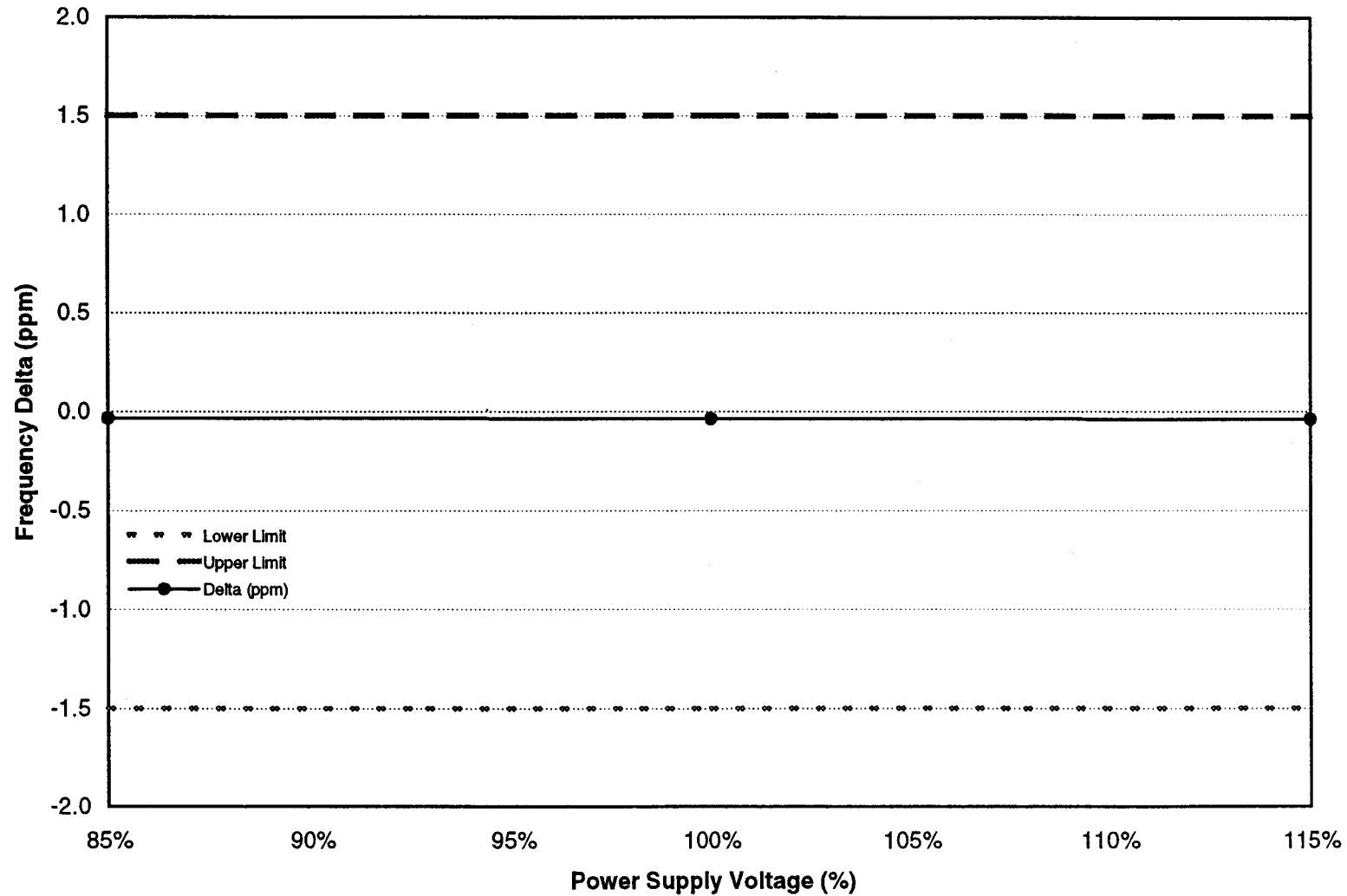
FREQUENCY STABILITY

Frequency Stability Over Temperature - CSM1



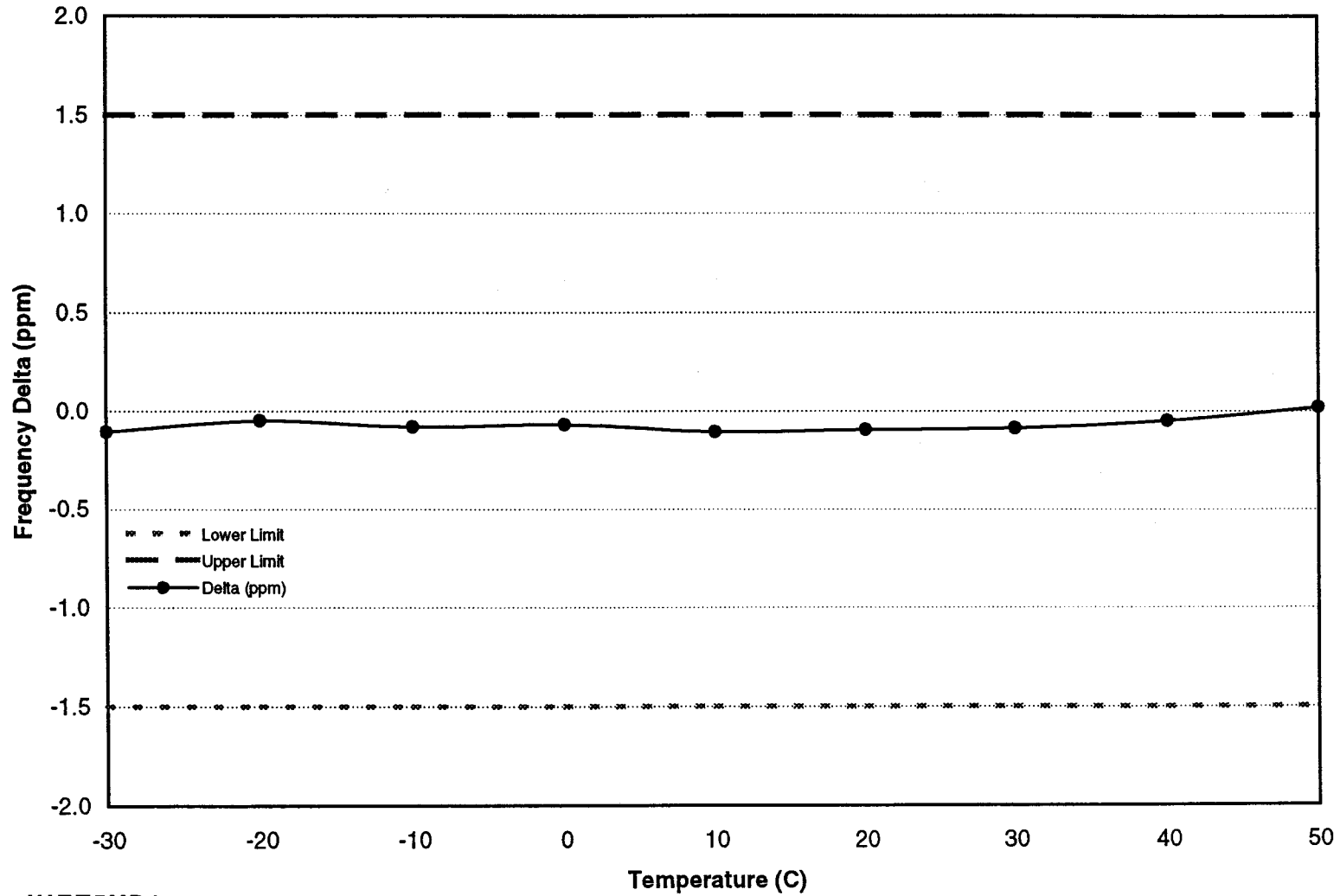
IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

Frequency Stability with Varying Supply Voltage - CSM1



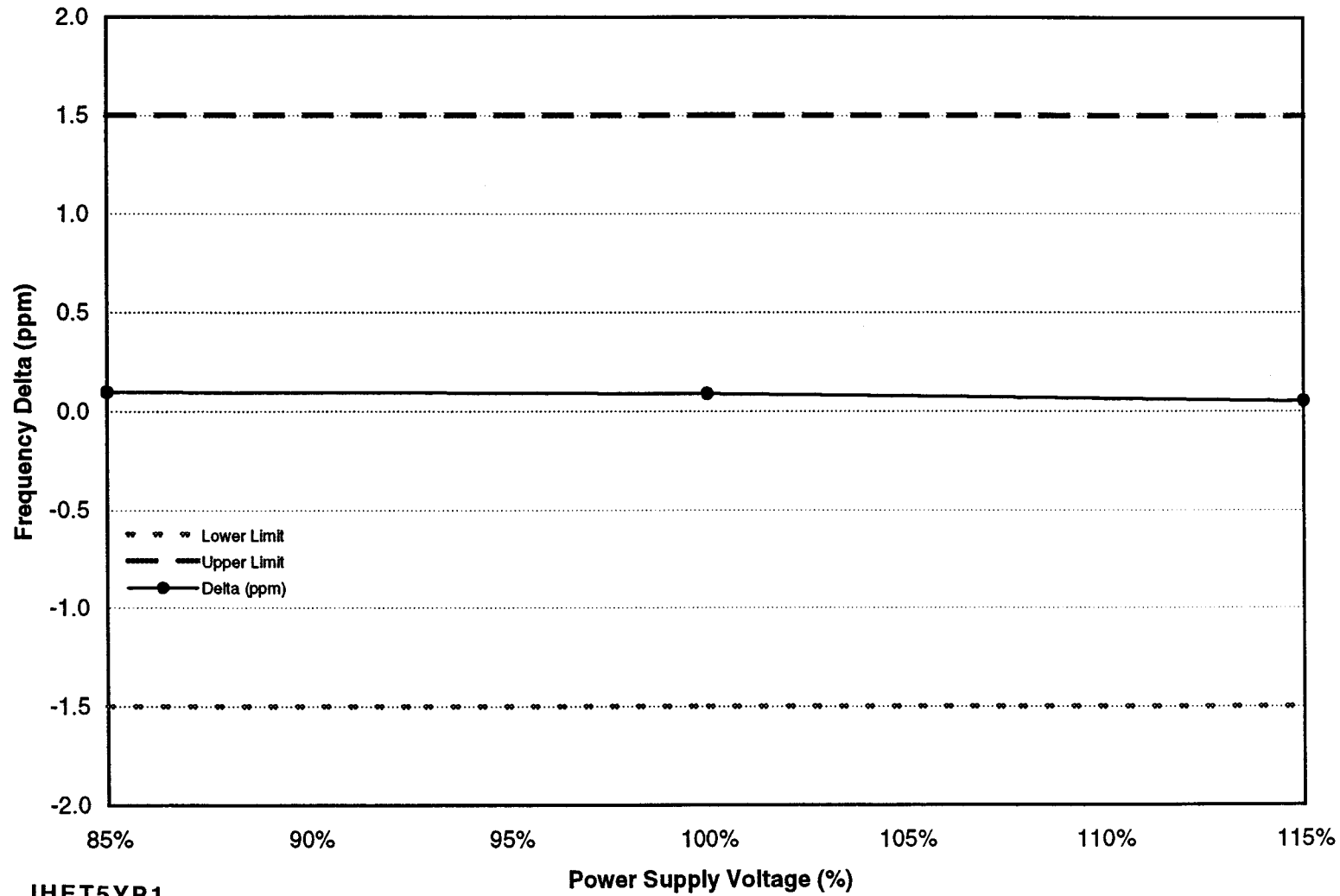
IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

Frequency Stability Over Temperature - CSM2



IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame

Frequency Stability with Varying Supply Voltage - CSM2



IHET5YP1
SC4812T @800 MHz
CDMA BTS Frame