MOTOROLA
Cellular Infrastructure Group
Personal Communications Division

SUPERCELL TEST AND INTEGRATION ENGINEERING
5555 N. BEACH STREET
FORT WORTH, TEXAS 76137

FCC FILING

IHET5YE1

SuperCell SC^{TM}9600
Mixed Mode/
Multiple Carrier

Book 2 of 2

Date April 17, 1998

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Personal Communications Division

FCC ID: IHET5YE1

EXHIBIT #22

SPURIOUS & HARMONIC EMISSIONS RADIATED

Radiated RF Measurements

APPLICANT: MOTOROLA **TRANSCEIVER TYPE: IHET5YE1**

WORST RADIATED RF SPUR LEVEL FOR SC9600 MIXED MODE/MULTIPLE CARRIER

TRANSMIT CHANNELS CDMA	SPUR FREQUENCY (GHz)	MEASURED SIGNAL LEVEL (dBuV/meter)	MEASURED SIGNAL LEVEL (dBm)	FCC, Part 22 MAX LIMIT (dBm)
1013V	8.697	39.65	-55.58	-13
1013H	8.697	39.09	-56.14	-13
1013V	8.697	37.74	-57.49	-13
1013H	8.697	38.98	-56.25	-13
384V	8.815	38.95	-56.28	-13
384H	8.815	40.46	-54.77	-13
384V	8.815	36.88	-58.35	-13
384H	8.815	38.48	-56.75	-13
777V	8.933	39.49	-55.74	-13
777H	8.933	40.98	-54.25	-13
777V	8.933	38.56	-56.67	-13
777H	8.933	39.86	-55.37	-13
TRANSMIT CHANNELS ANALOG	**SPUR FREQUENCY (GHz)**	**MEASURED SIGNAL LEVEL (dBuV/meter)**	**MEASURED SIGNAL LEVEL (dBm)**	**FCC, Part 22 MAX LIMIT (dBm)**
20V	8.706	38.55	-56.68	-13
20H	8.706	39.87	-55.36	-13
20V	8.706	36.96	-58.27	-13
20H	8.706	36.59	-58.64	-13
354V	8.806	37.83	-57.40	-13
354H	8.806	39.23	-56.00	-13
354V	8.806	37.72	-57.51	-13
354H	8.806	37.18	-58.05	-13
747V	8.924	38.84	-56.39	-13
747H	8.924	40.73	-54.40	-13
747V	8.924	37.77	-57.46	-13
747H	8.924	40.63	-54.60	-13

Radiated RF Measurements

APPLICANT: MOTOROLA **TRANSCEIVER TYPE: IHET5YE1**

WORST RADIATED RF SPUR LEVEL FOR SC9600 MIXED MODE/MULTIPLE CARRIER (Continued)

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

1. (dBuV/M / 20) *(Inverse Log) = uV/M
2. Log(uV/M /57735) * 20 = dBm

Example 40.98 dBuV/m to dBm

(40.98 dBuV/m / 20) * (Inverse Log) = 111.94 uV/M

Log(111.94 uV/m/ 57735) * 20 = -54.25 dBm

If the test is done at 10 meters, the first formula would remain the same. The 2nd is as follows

Log[(uV/m * 1/ (3 * 57735)/10)] * 20 dBm

Engineer: Melissa VanDine 4/17/98

Date

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FCC ID: IHET5YE1

EXHIBIT #23

SPURIOUS & HARMONIC EMISSIONS CONDUCTED

Analog & CDMA

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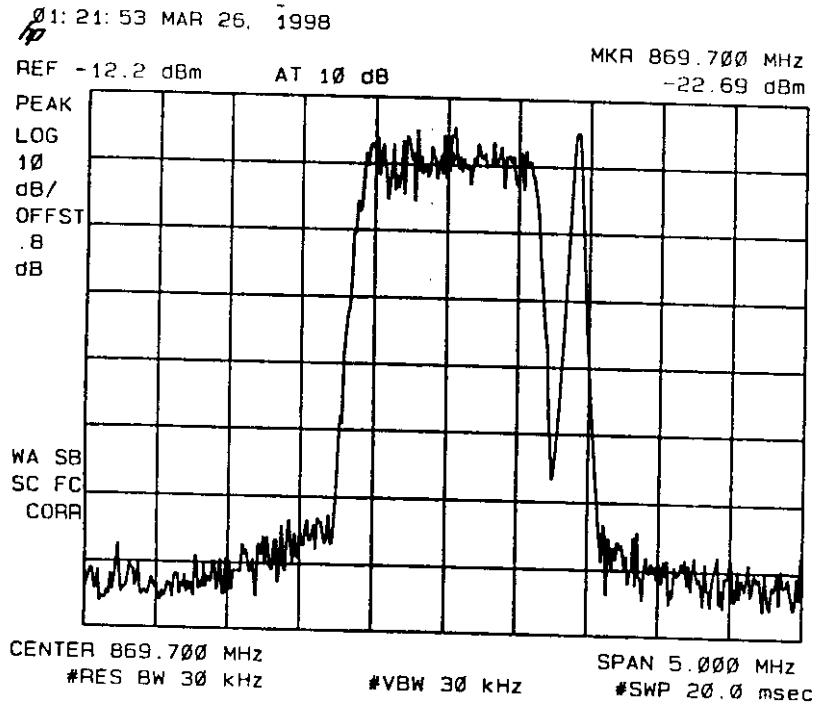
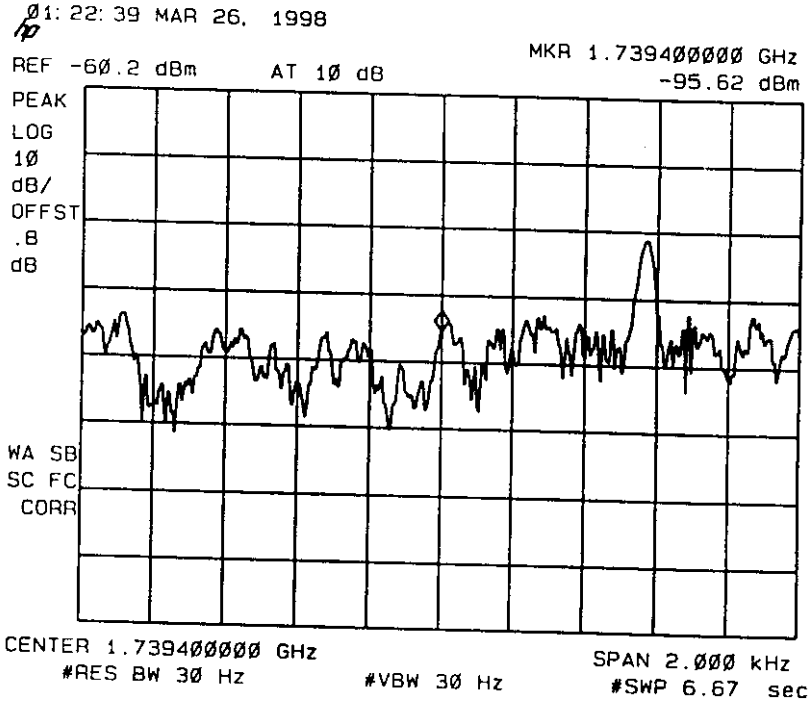
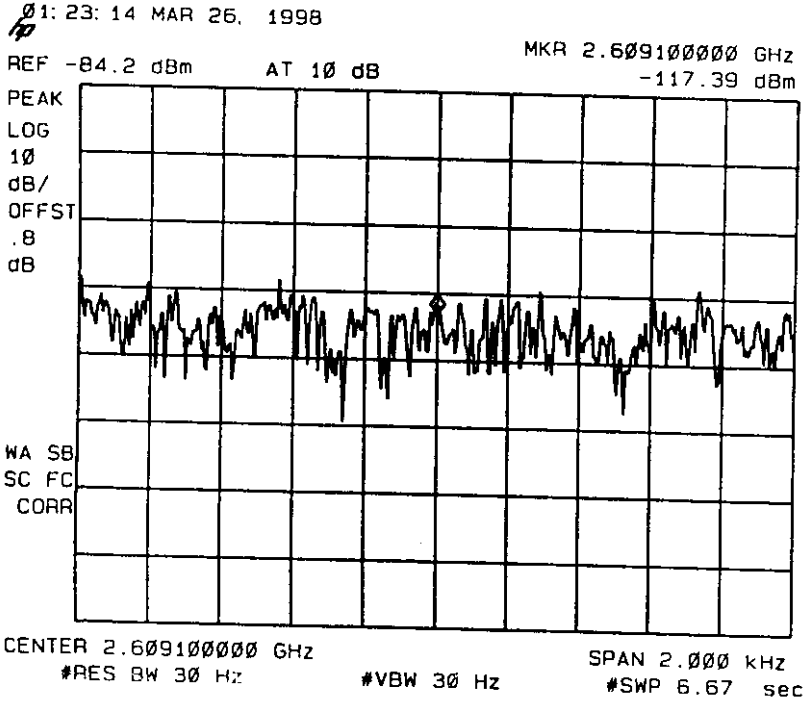
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

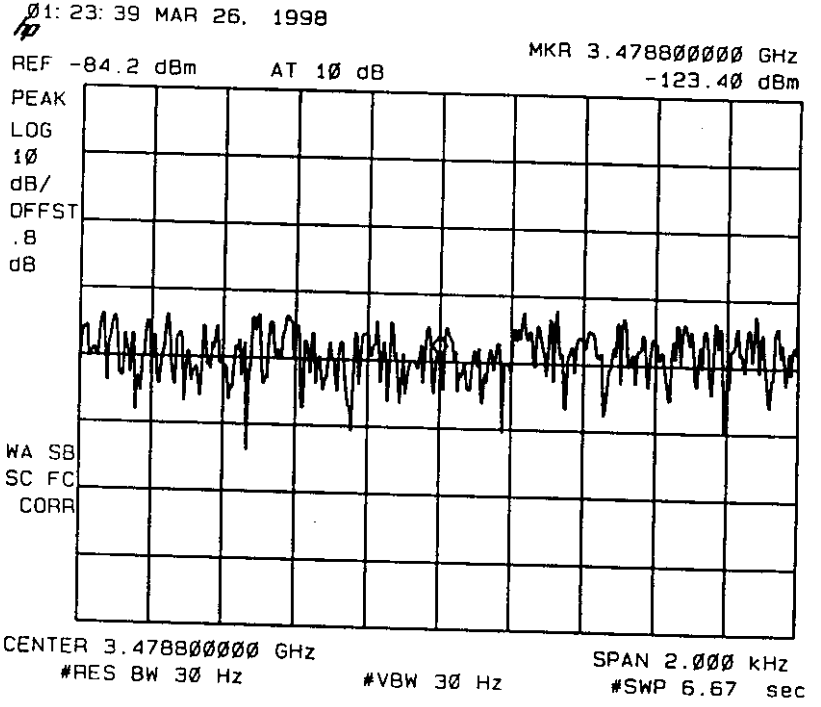
CDMA Transmitter Channel 1013

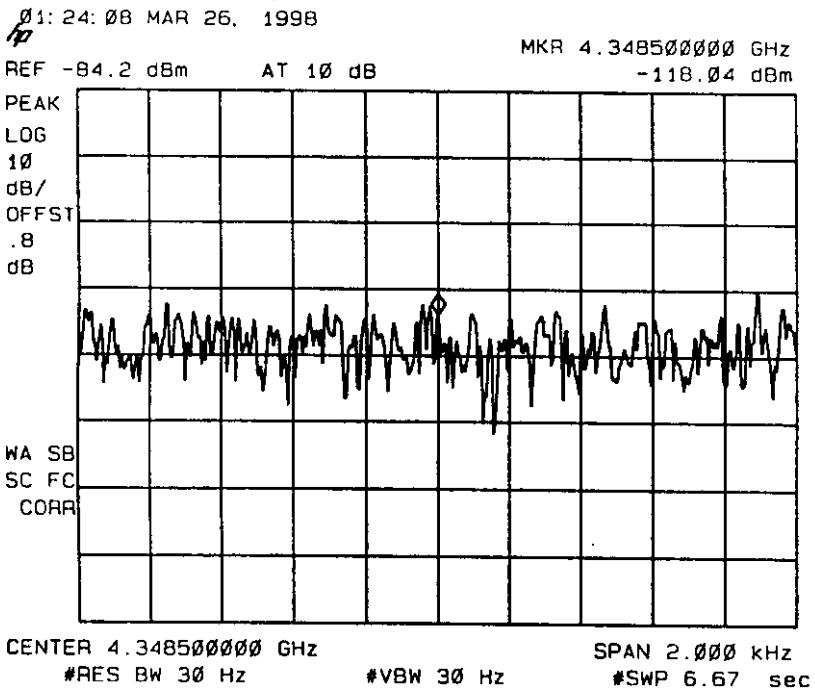
Maximum Power

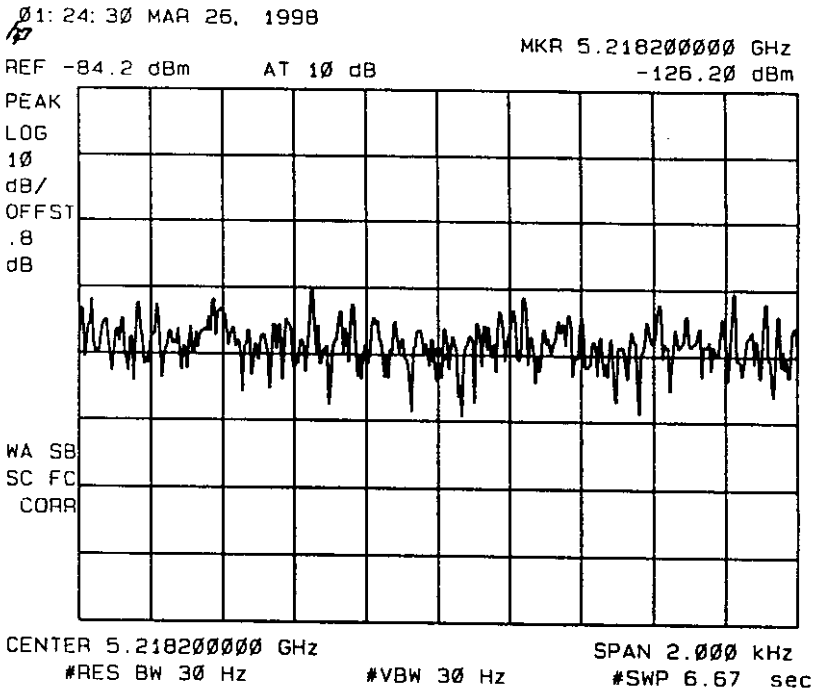

Ø1: 21: 53 MAR 26, 1998
REF -12.2 dBm
AT 1Ø dB
MKR 869.7ØØ MHz
-22.69 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 869.7ØØ MHz
#RES BW 3Ø kHz
#VBW 3Ø kHz
SPAN 5.ØØØ MHz
#SWP 2Ø.Ø msec

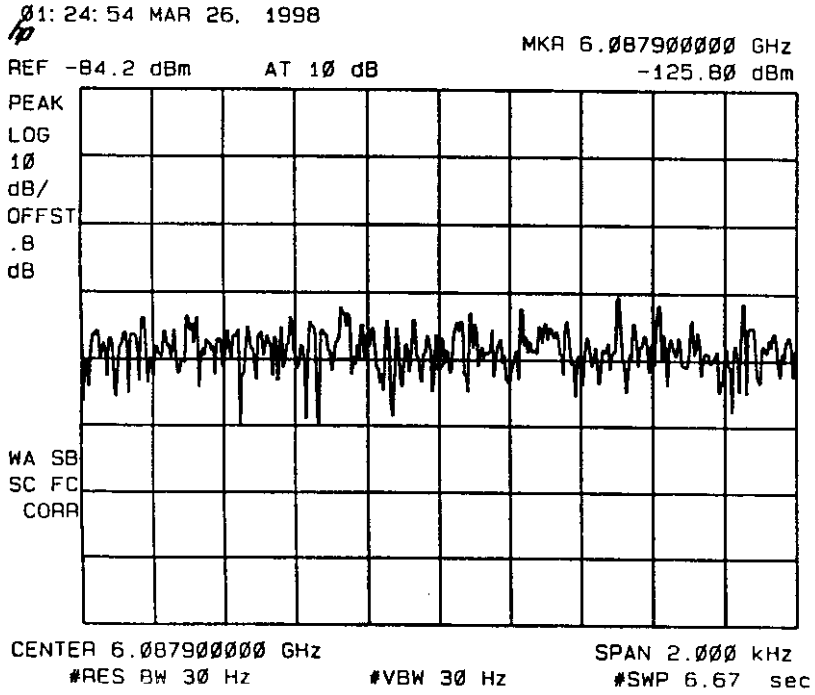

Ø1: 22: 39 MAR 26, 1998
REF -6Ø.2 dBm
AT 1Ø dB
MKR 1.739ØØØØØØ GHz
-95.62 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.739ØØØØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec

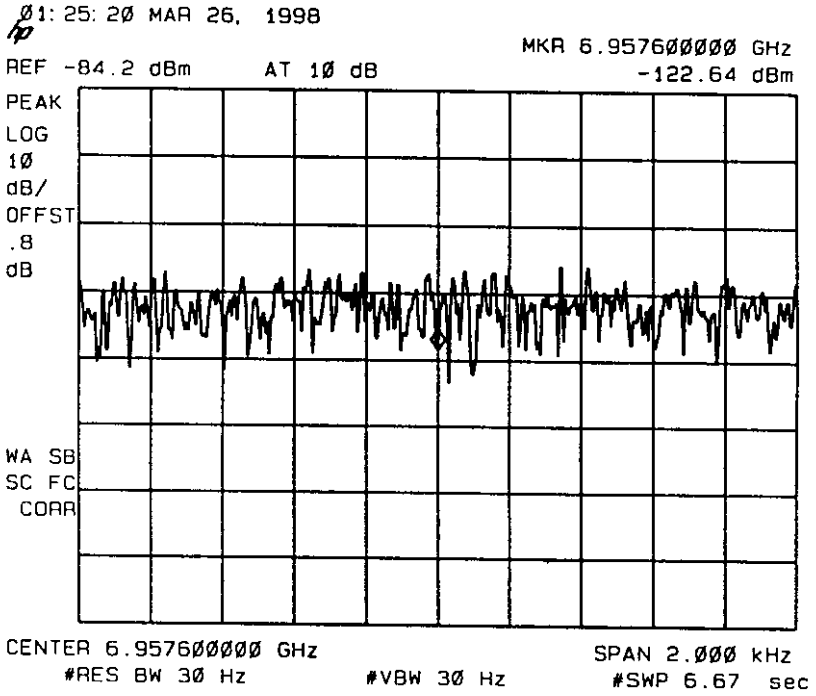

Ø1: 23: 14 MAR 26, 1998
REF -84.2 dBm
AT 1Ø dB
MKR 2.6Ø91ØØØØØ GHz
-117.39 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.6Ø91ØØØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec

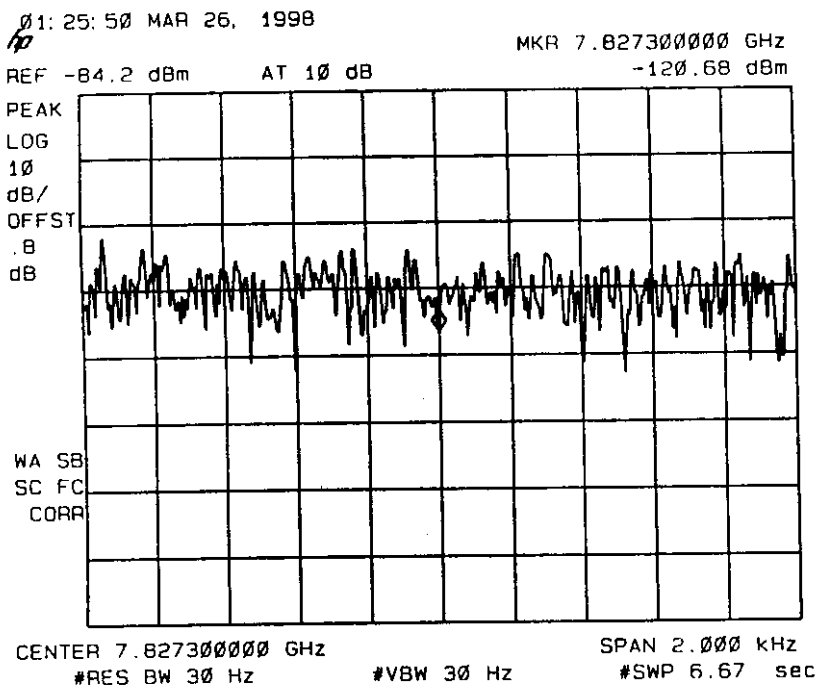

Ø1: 23: 39 MAR 26, 1998
REF -84.2 dBm
AT 1Ø dB
MKR 3.478ØØØØØØ GHz
-123.4Ø dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.478ØØØØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec

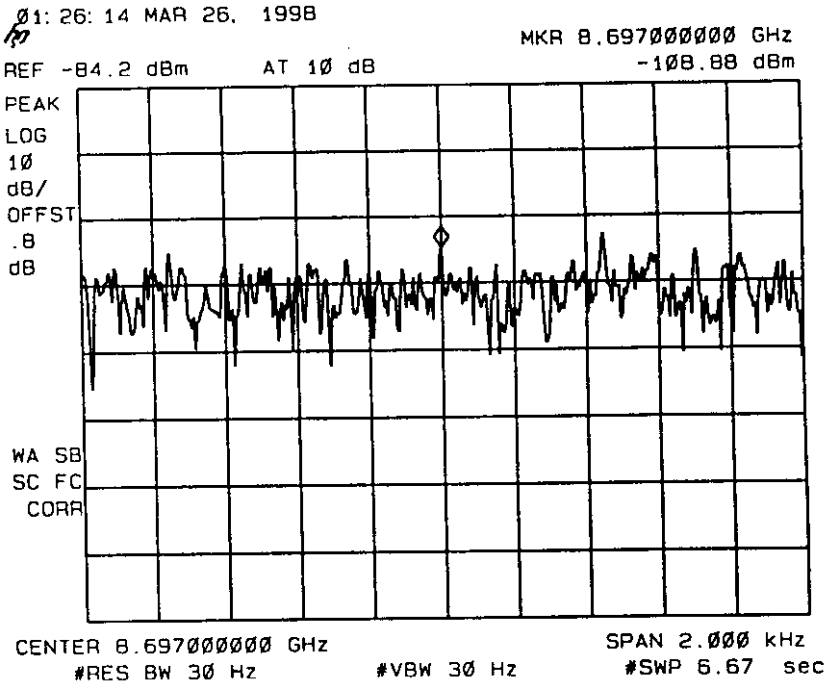

Ø1: 24: Ø8 MAR 26, 1998
MKR 4.348500000 GHz
REF -84.2 dBm
AT 1Ø dB
-118.Ø4 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.348500000 GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


Ø1: 24: 3Ø MAR 26, 1998
MKR 5.218200000 GHz
REF -84.2 dBm
AT 1Ø dB
-126.2Ø dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.218200000 GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


Ø1: 24: 54 MAR 26, 1998
MKR 6.Ø879ØØØØØ GHz
REF -84.2 dBm
AT 1Ø dB
-125.8Ø dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.Ø879ØØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


Ø1: 25: 2Ø MAR 26, 1998
MKR 6.957600000 GHz
REF -84.2 dBm
AT 1Ø dB
-122.64 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.957600000 GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


Ø1: 25: 5Ø MAR 26, 1998
MKR 7.827300000 GHz
REF -84.2 dBm
AT 1Ø dB
-120.68 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.827300000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


Ø1: 26: 14 MAR 26, 1998
MKR 8.697000000 GHz
REF -84.2 dBm
AT 1Ø dB
-1Ø8.88 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.697000000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

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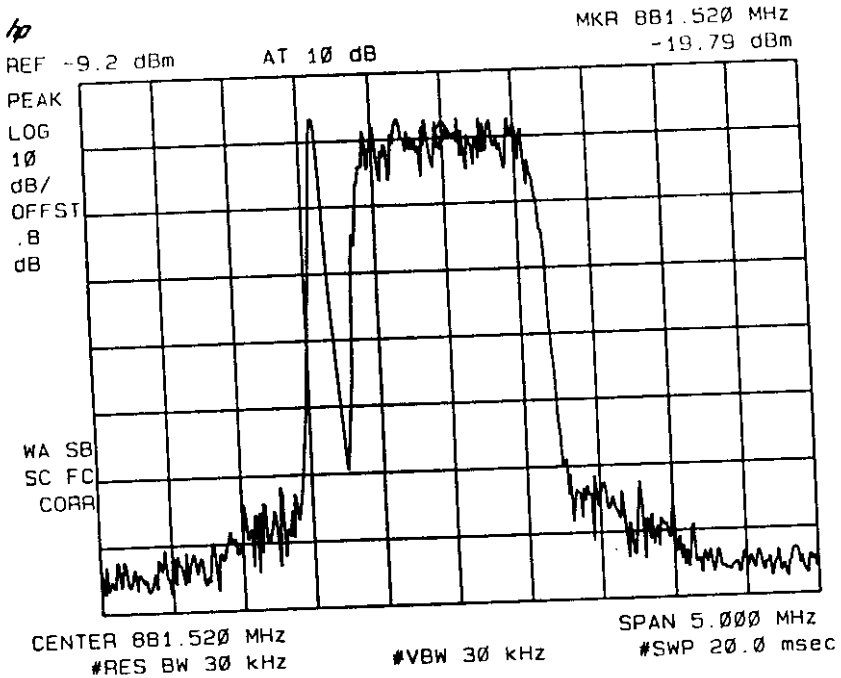
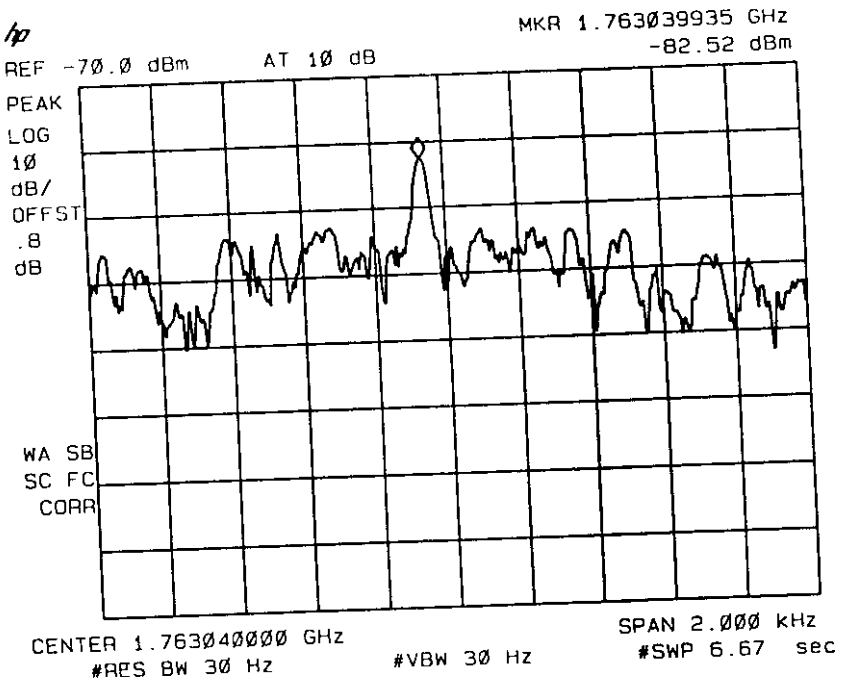
Cellular Infrastructure Group
Personal Communications Division

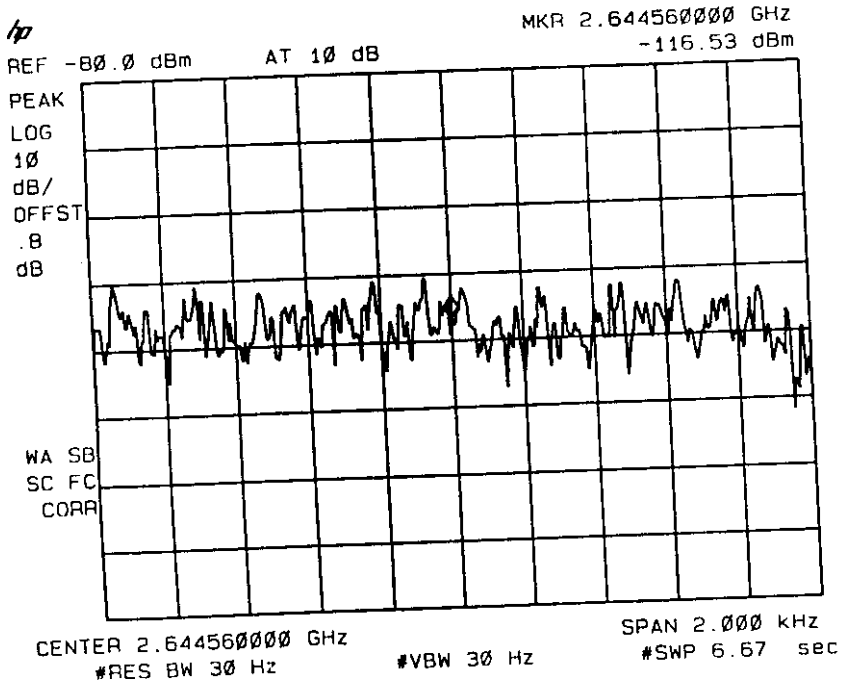
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

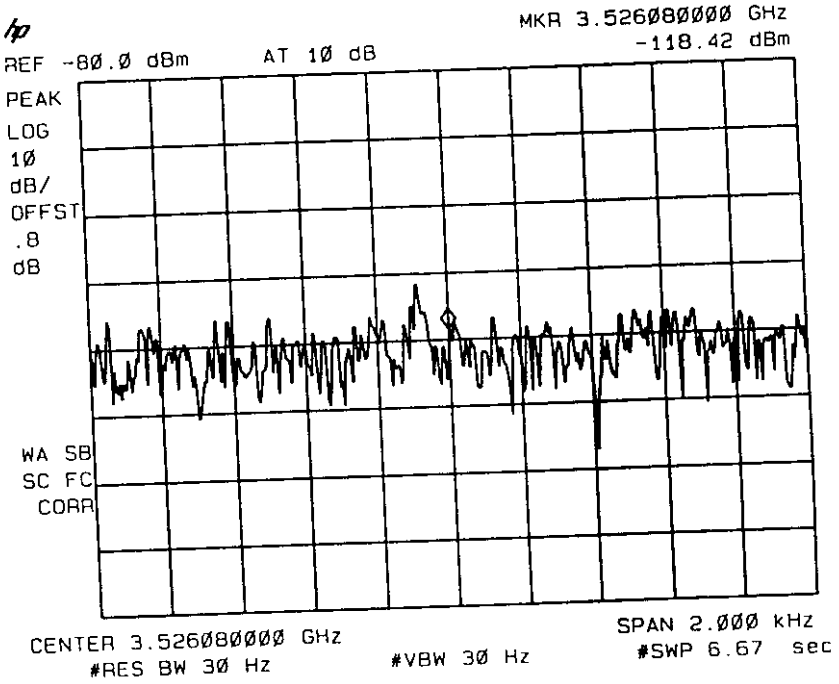
CDMA Transmitter Channel 384

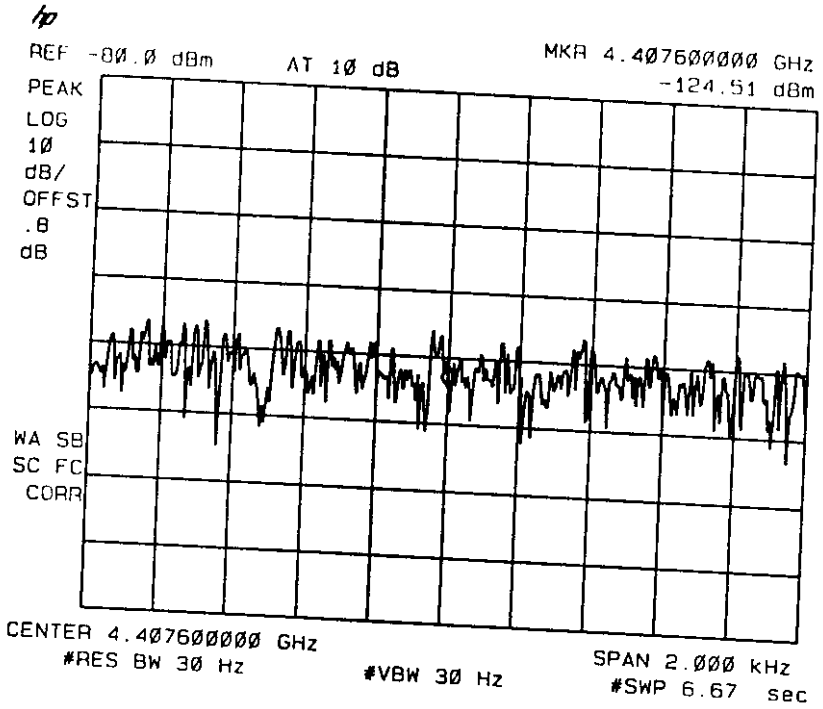
Maximum Power

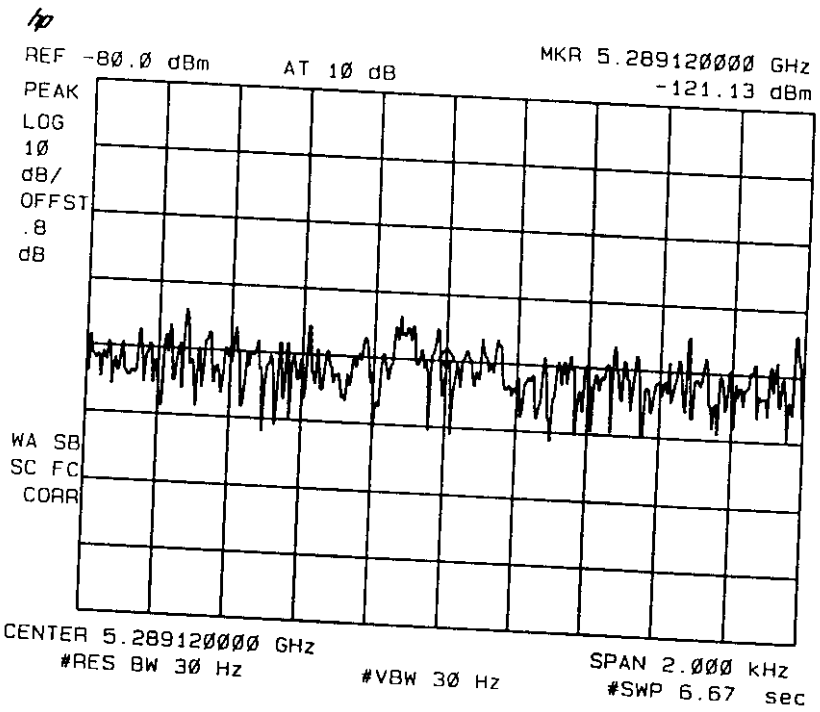

MKR 881.520 MHz
-19.79 dBm
REF -9.2 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 881.520 MHz
#RES BW 30 kHz
#VBW 30 kHz
SPAN 5.000 MHz
#SWP 20.0 msec

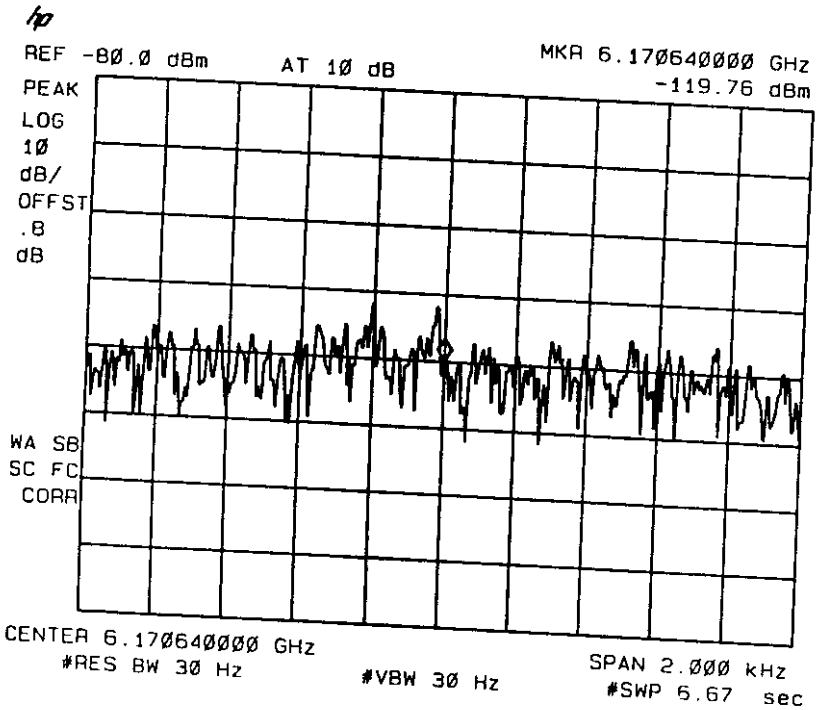

MKR 1.763039935 GHz
-82.52 dBm
REF -70.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.763040000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

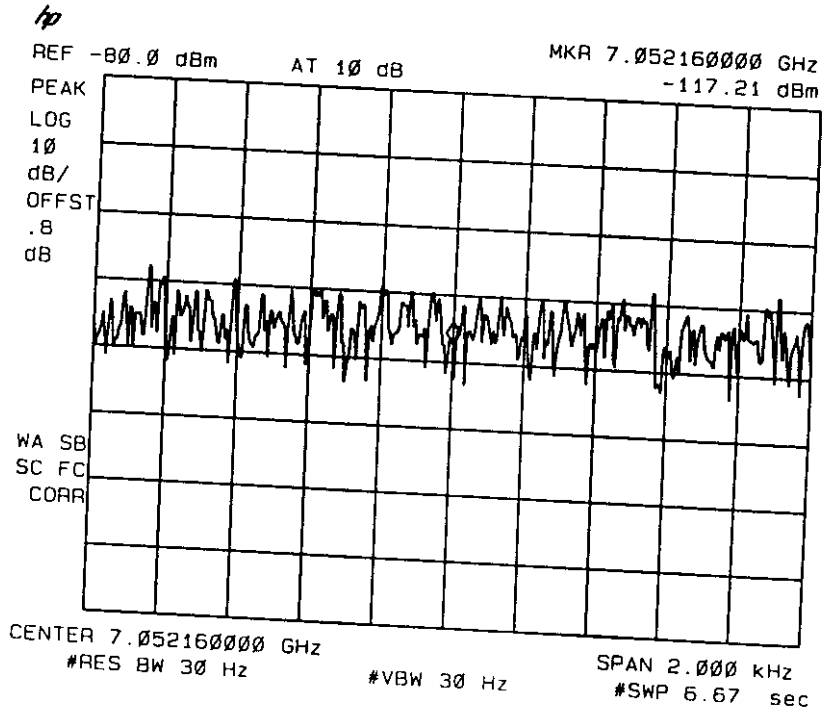

MKR 2.644560000 GHz
-116.53 dBm
REF -80.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.644560000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


MKR 3.526080000 GHz
-118.42 dBm
REF -80.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.526080000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

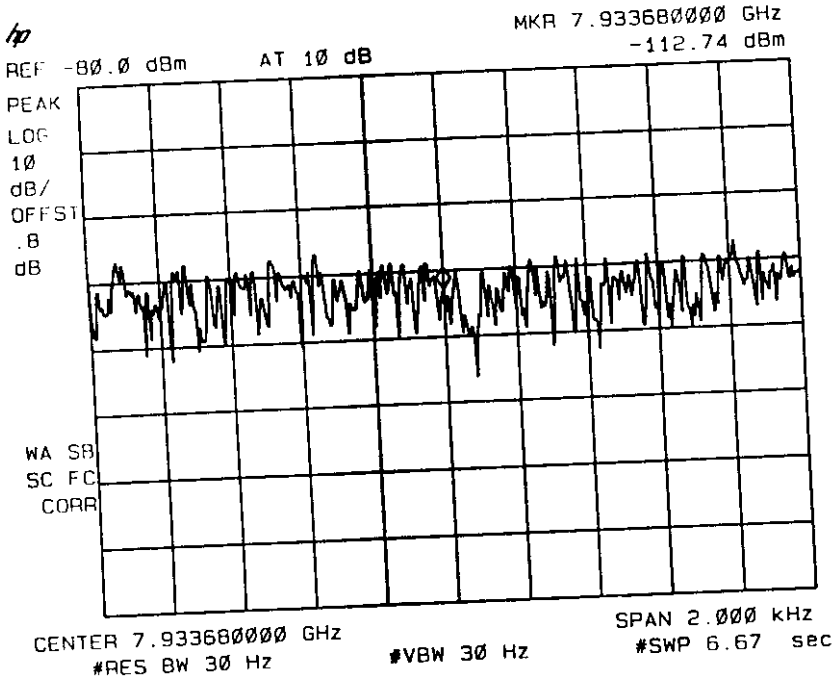

REF -80.0 dBm
AT 10 dB
MKR 4.407600000 GHz
-124.51 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.407600000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

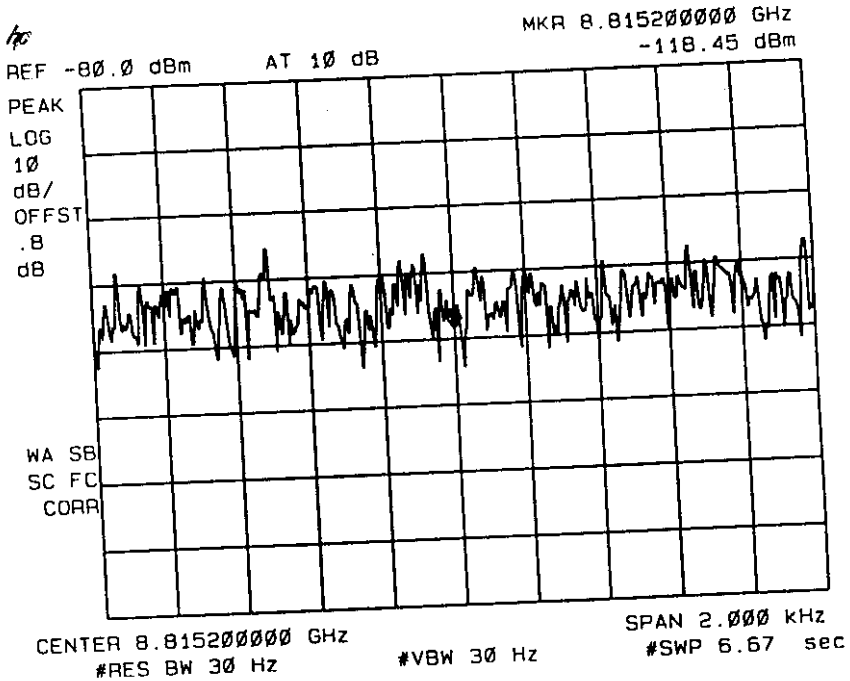

REF -80.0 dBm
AT 10 dB
MKR 5.289120000 GHz
-121.13 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.289120000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


REF -80.0 dBm
AT 10 dB
MKR 6.170640000 GHz
-119.76 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.170640000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


REF -80.0 dBm
AT 10 dB
MKR 7.052160000 GHz
-117.21 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.052160000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

sate
-4-16-98
16:24:23





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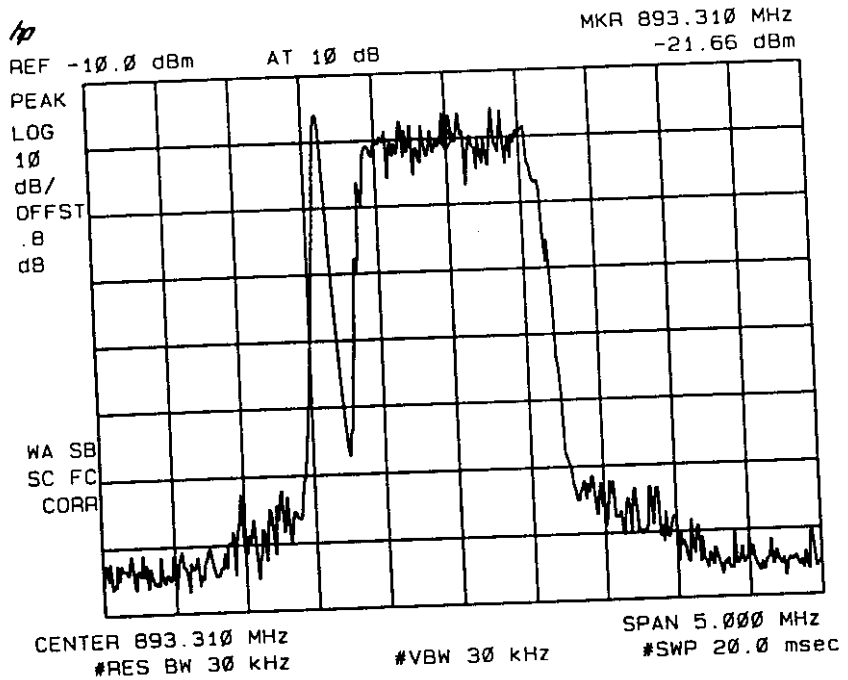
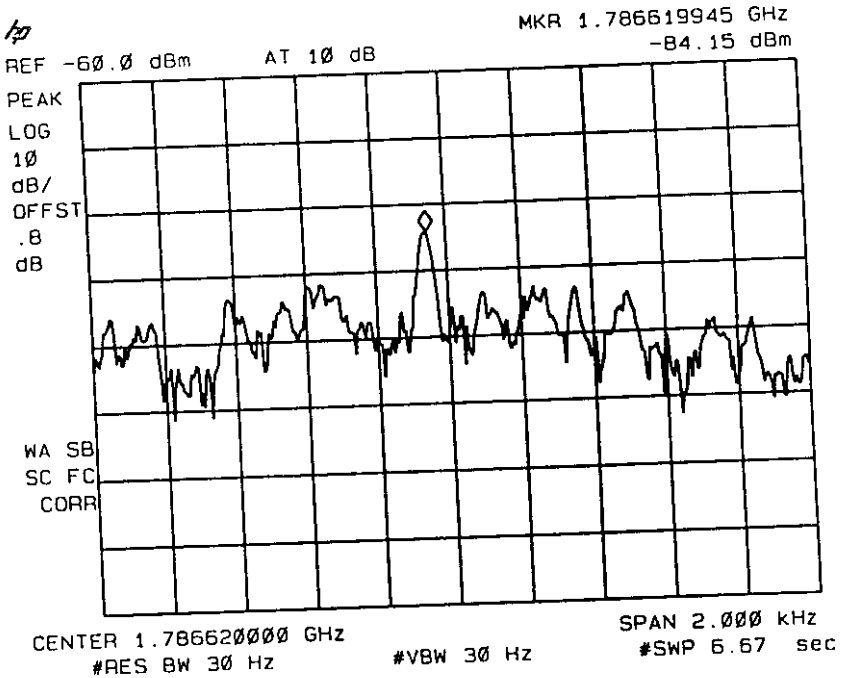
Cellular Infrastructure Group
Personal Communications Division

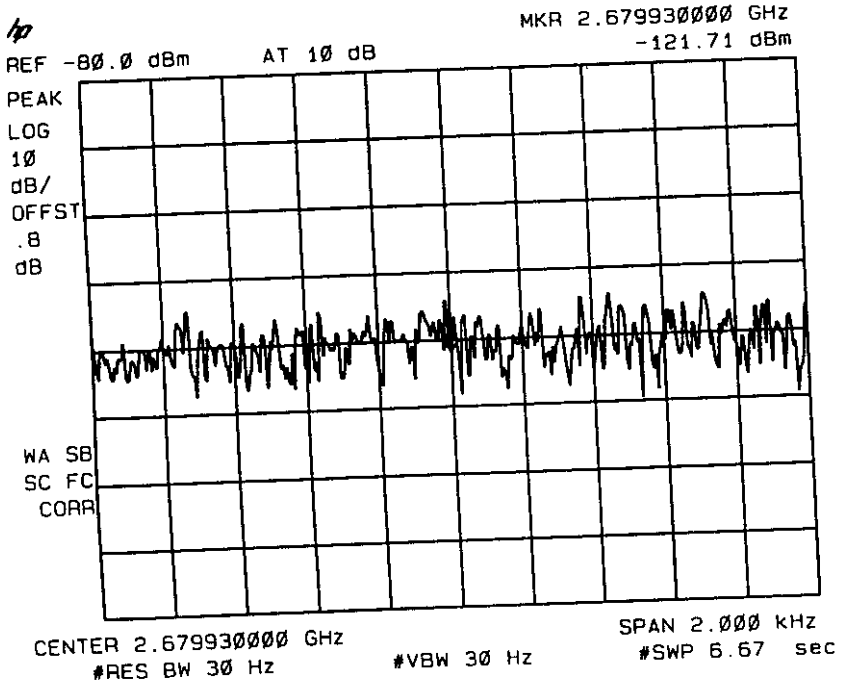
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

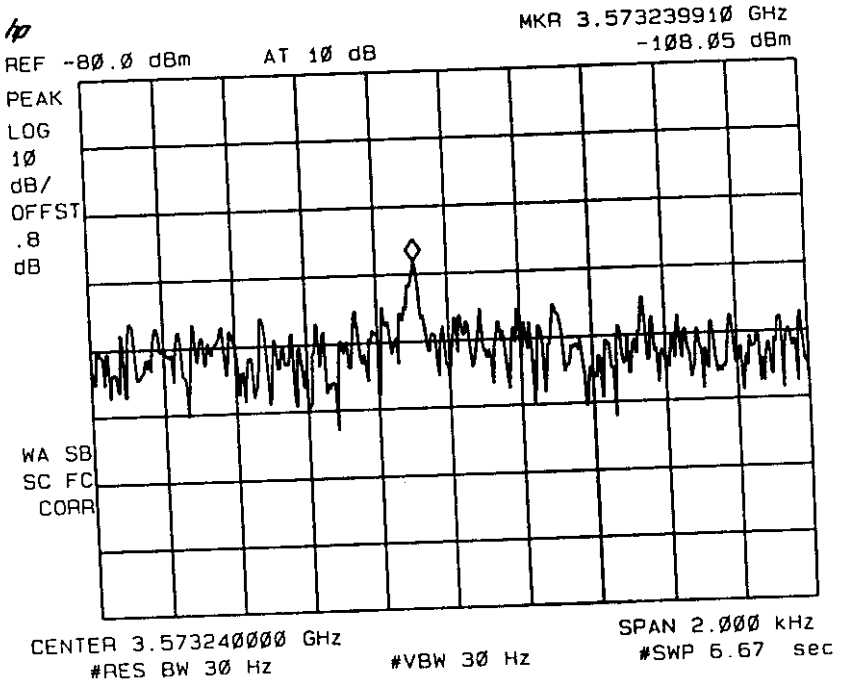
CDMA Transmitter Channel 777

Maximum Power

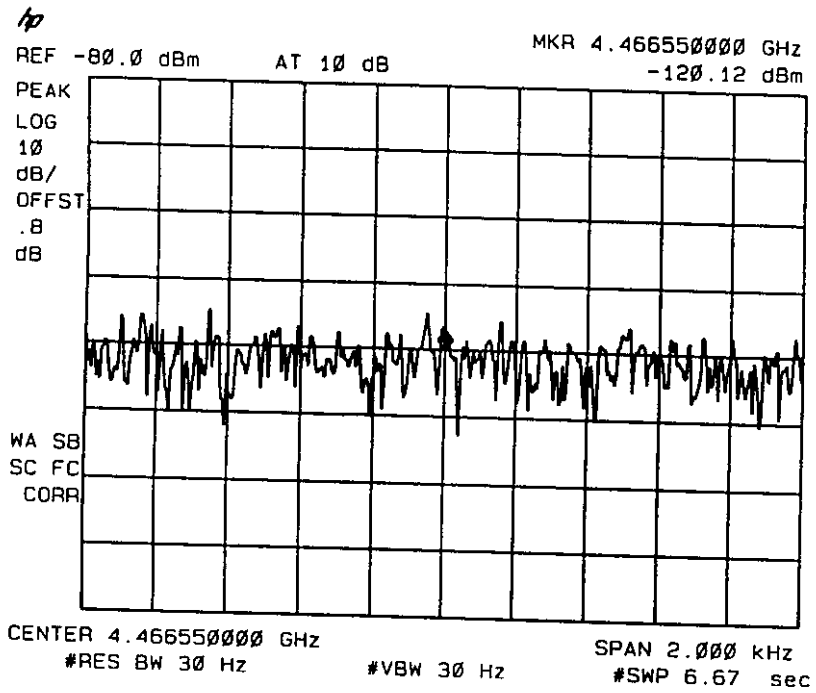

MKR 893.310 MHz
-21.66 dBm
REF -10.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 893.310 MHz
#RES BW 30 kHz
#VBW 30 kHz
SPAN 5.000 MHz
#SWP 20.0 msec

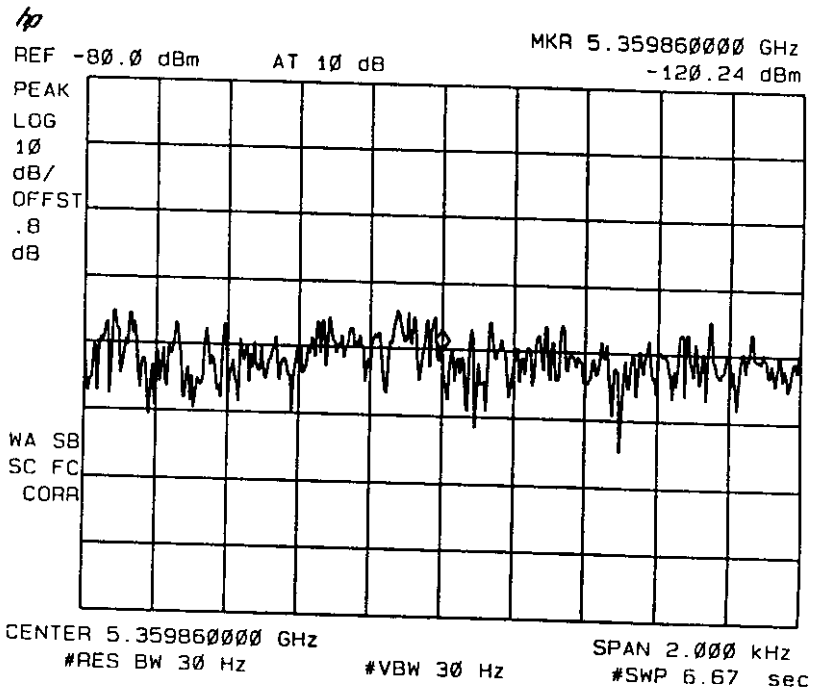

MKR 1.786619945 GHz
-84.15 dBm
REF -60.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.786620000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

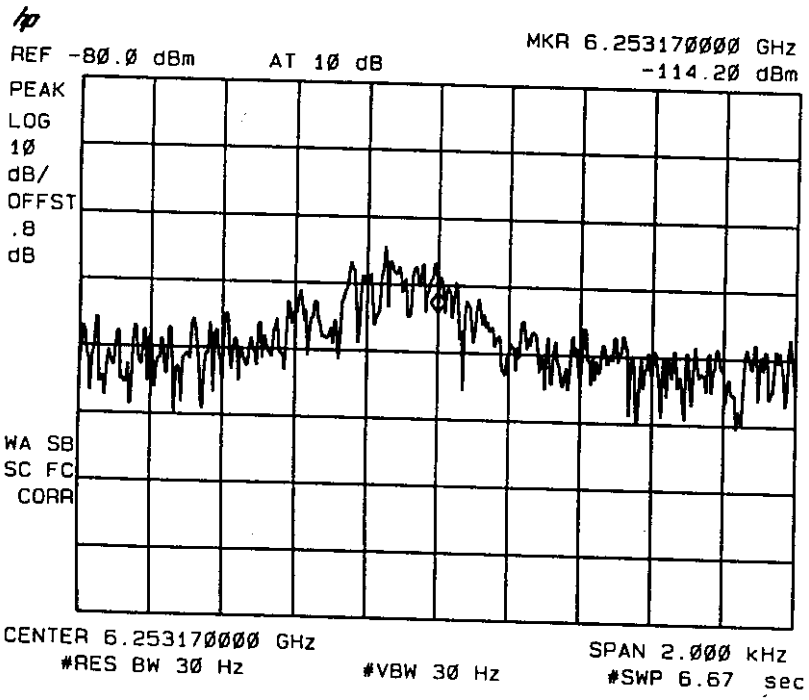

MKR 2.679930000 GHz
-121.71 dBm
REF -80.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.679930000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

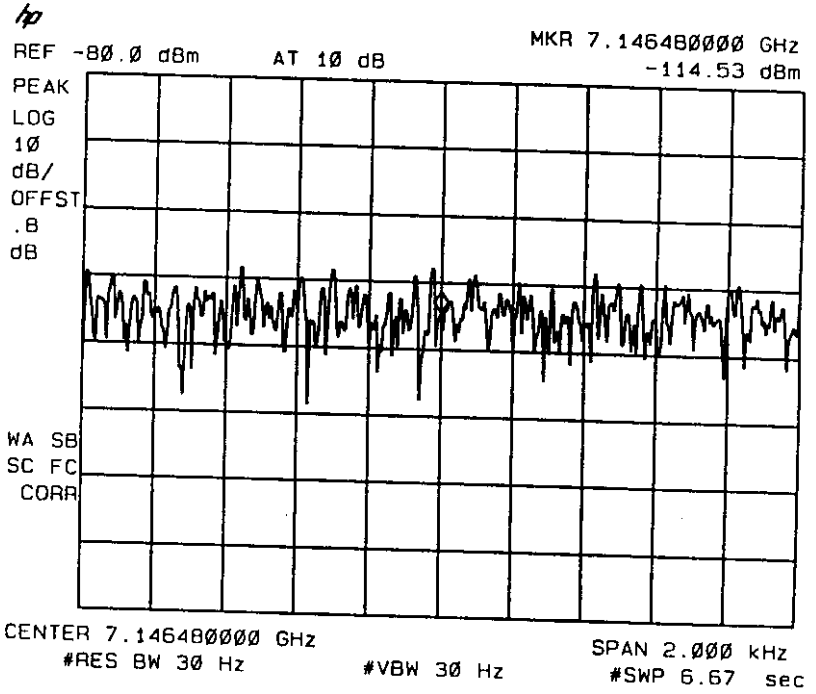

MKR 3.573239910 GHz
-108.05 dBm
REF -80.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.573240000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

btsate
04-16-98
16:31:08

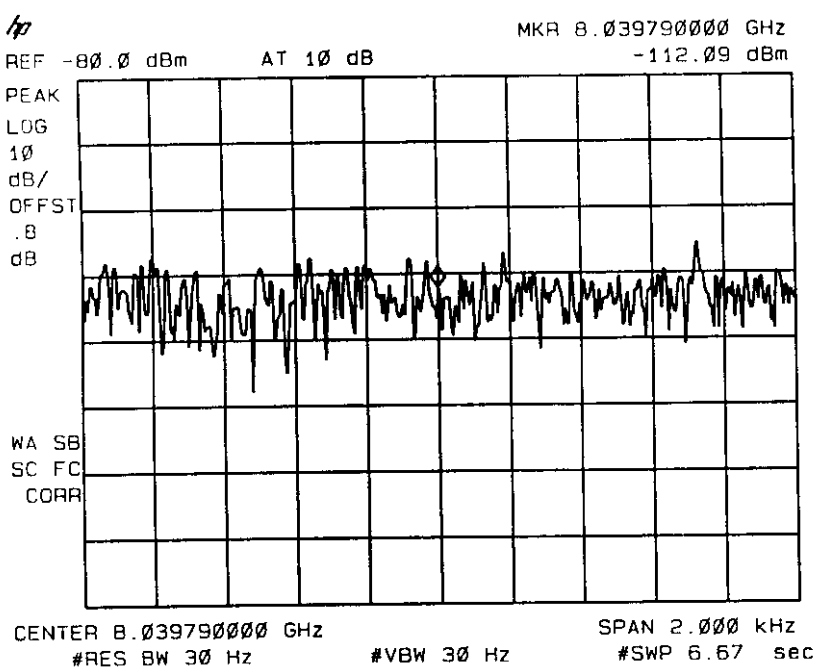


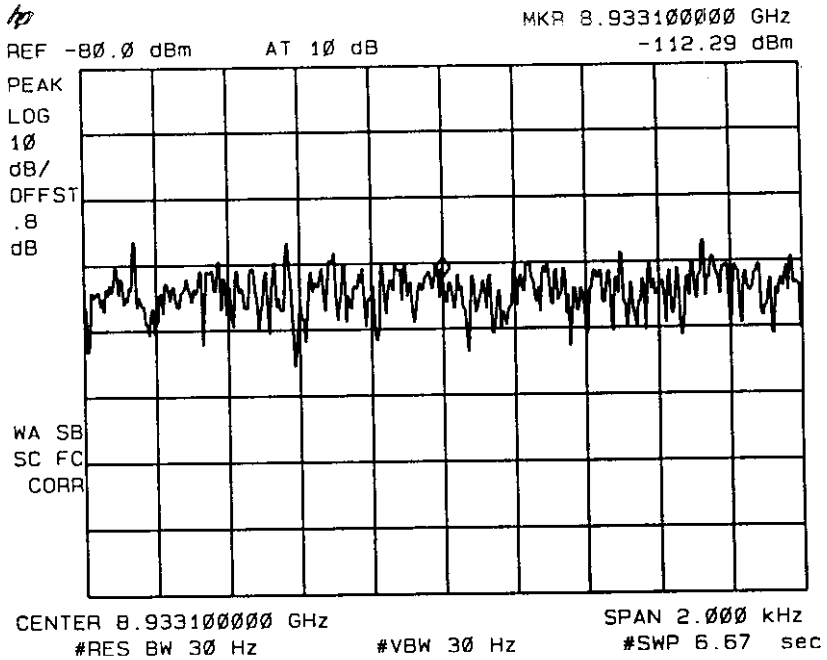






:sate
J4-16-98
16:36:48





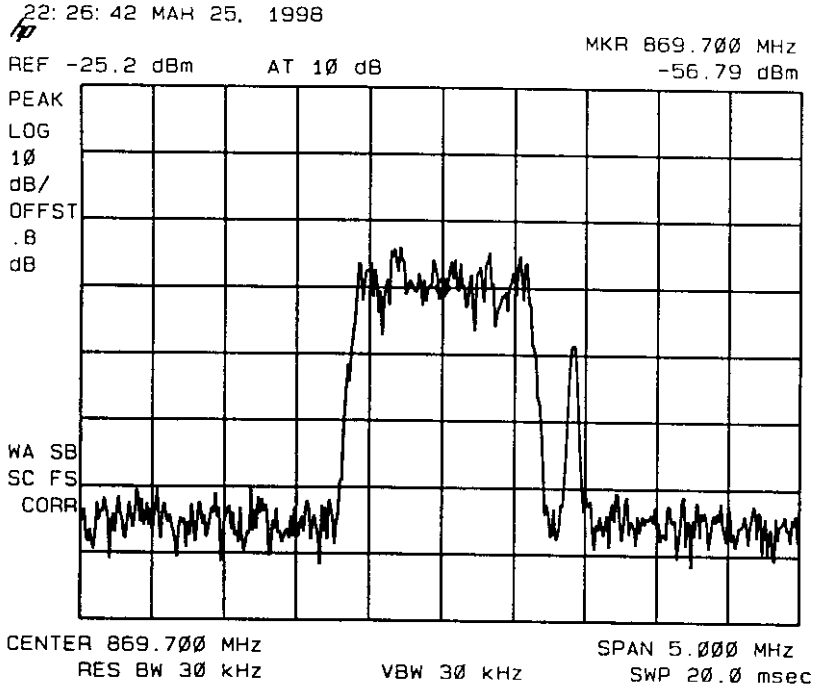
MOTOROLA

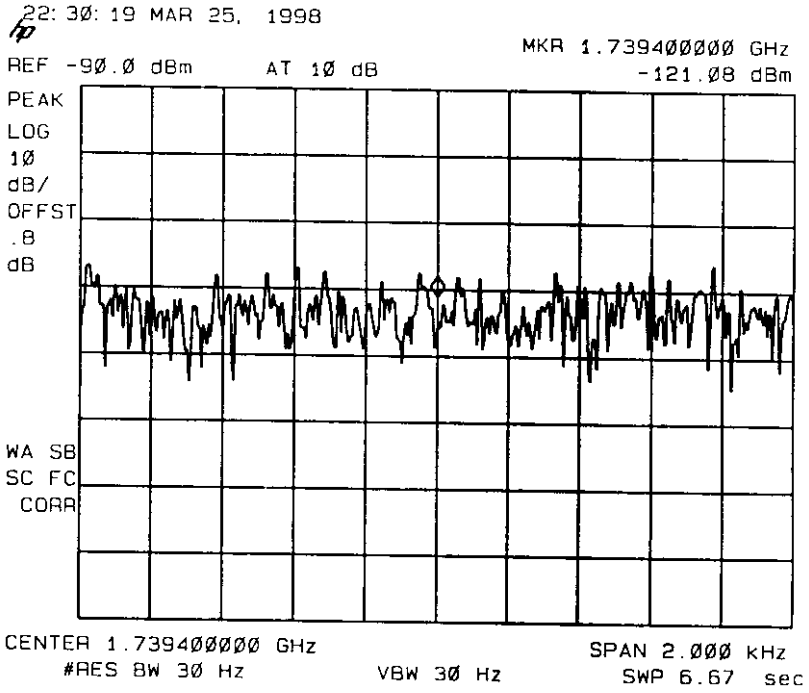
Cellular Infrastructure Group
Personal Communications Division

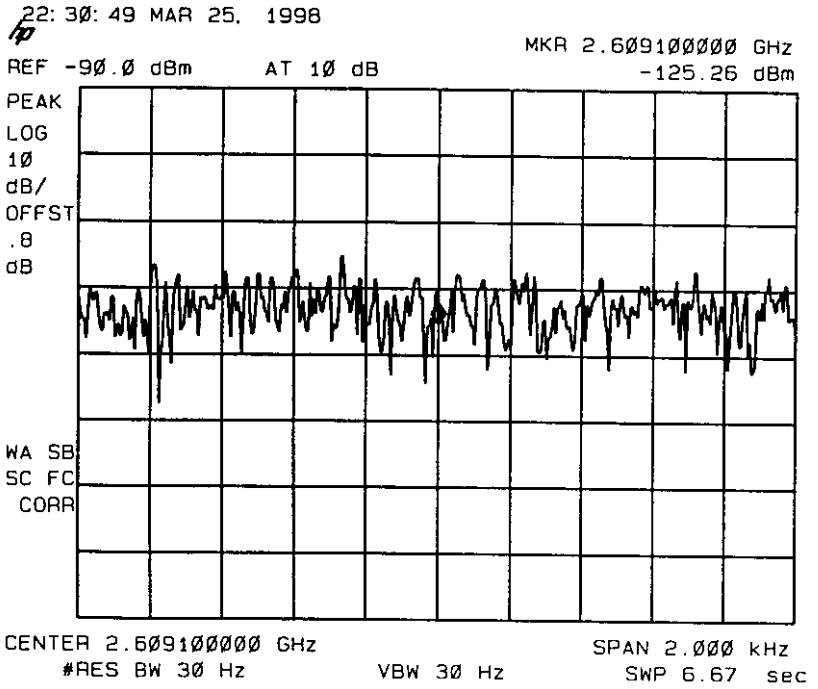
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

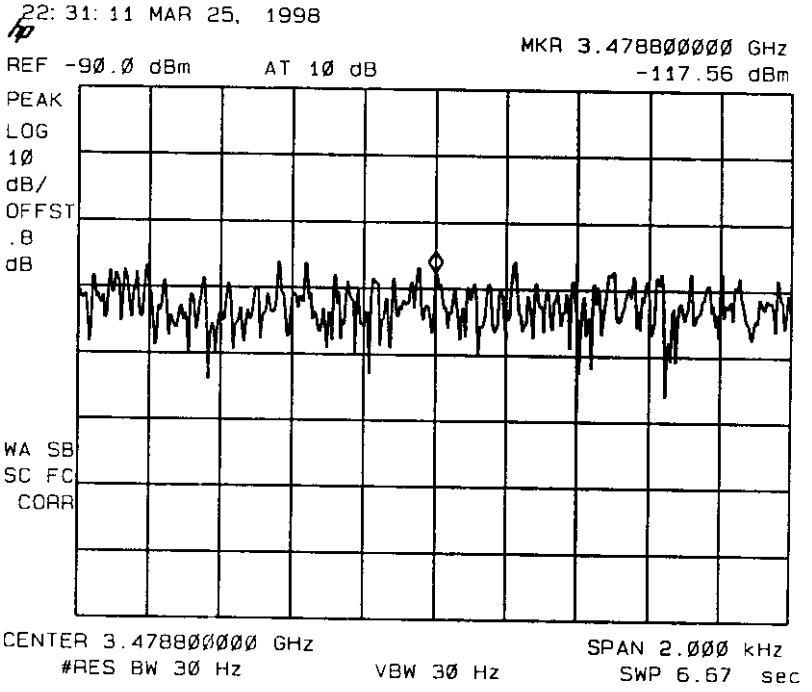
CDMA Transmitter Channel 1013

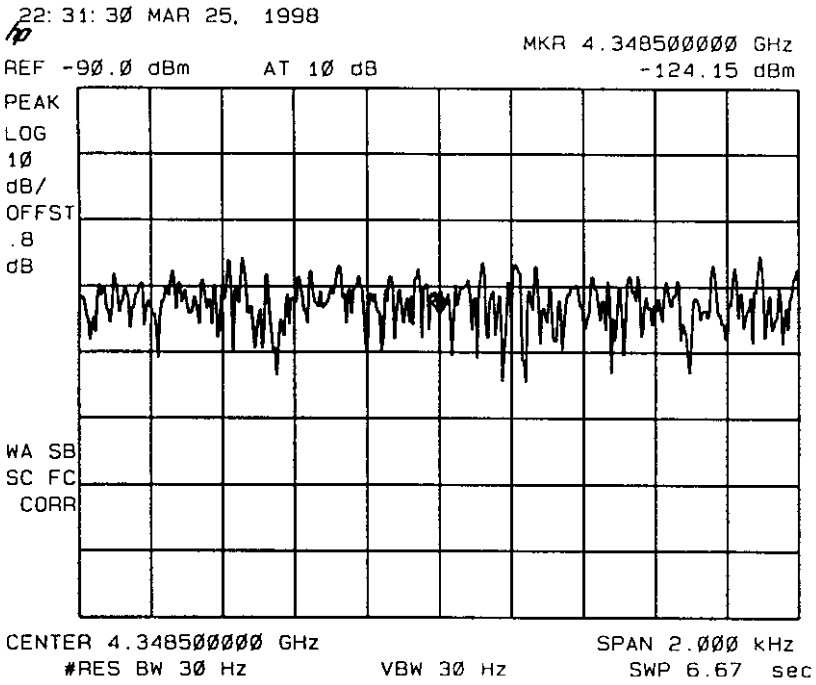
Minimum Power

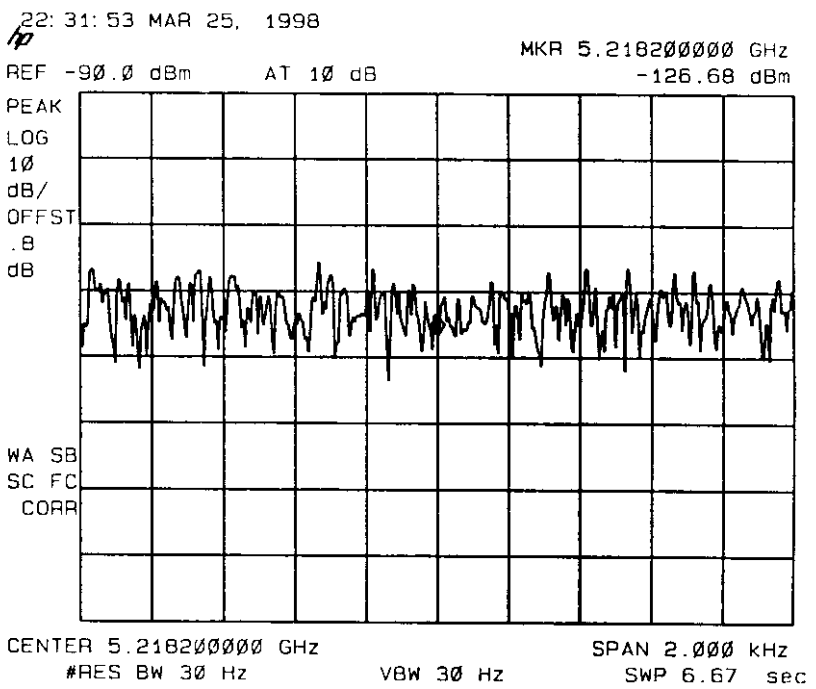

22: 26: 42 MAR 25, 1998
MKR 869.700 MHz
REF -25.2 dBm
AT 10 dB
-56.79 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FS
CORR
CENTER 869.700 MHz
RES BW 30 kHz
VBW 30 kHz
SPAN 5.000 MHz
SWP 20.0 msec

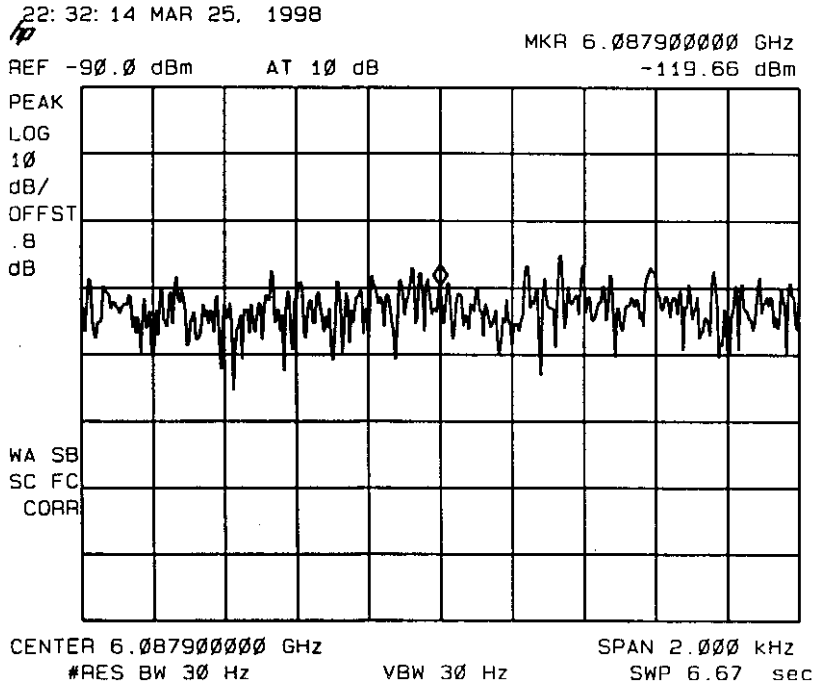

22: 30: 19 MAR 25, 1998
MKR 1.739400000 GHz
REF -90.0 dBm
AT 10 dB
-121.08 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.739400000 GHz
#RES BW 30 Hz
VBW 30 Hz
SPAN 2.000 kHz
SWP 6.67 sec

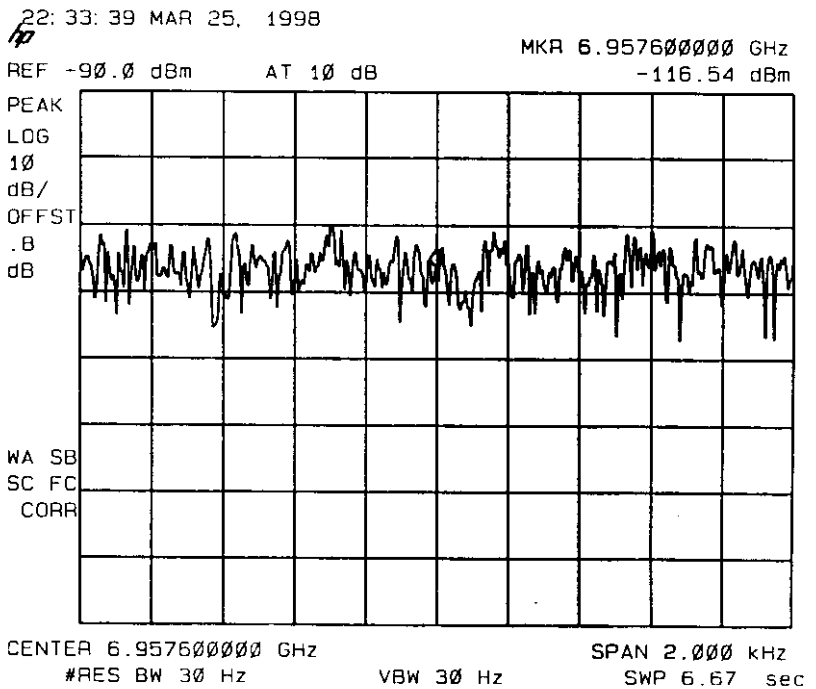

22: 30: 49 MAR 25, 1998
MKR 2.609100000 GHz
REF -90.0 dBm
AT 10 dB
-125.26 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.609100000 GHz
#RES BW 30 Hz
VBW 30 Hz
SPAN 2.000 kHz
SWP 6.67 sec


22: 31: 11 MAR 25, 1998
MKR 3.478800000 GHz
REF -90.0 dBm
AT 10 dB
-117.56 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.478800000 GHz
#RES BW 30 Hz
VBW 30 Hz
SPAN 2.000 kHz
SWP 6.67 sec

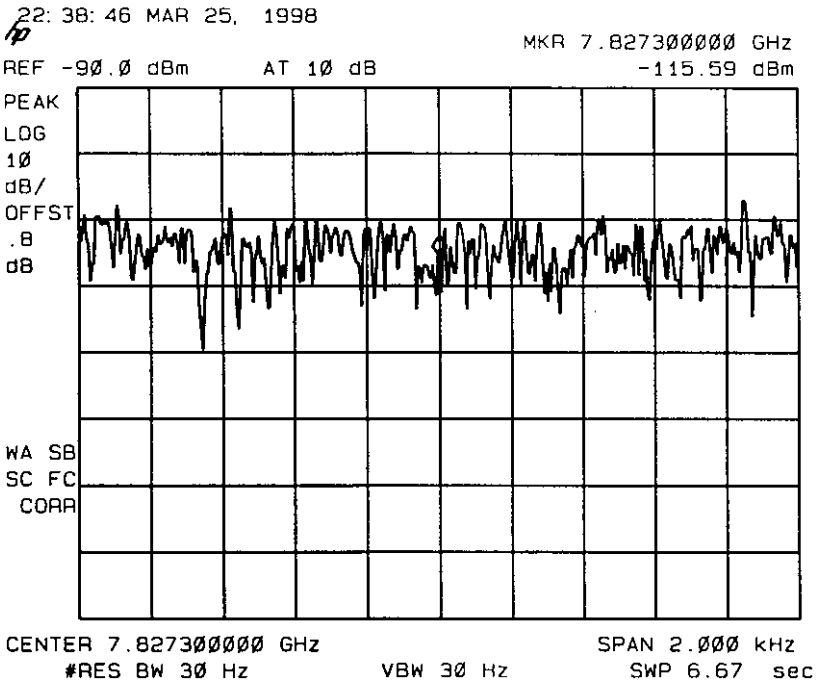

22: 31: 30 MAR 25, 1998
MKR 4.348500000 GHz
REF -90.0 dBm
AT 10 dB
-124.15 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.348500000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
VBW 30 Hz
SWP 6.67 sec

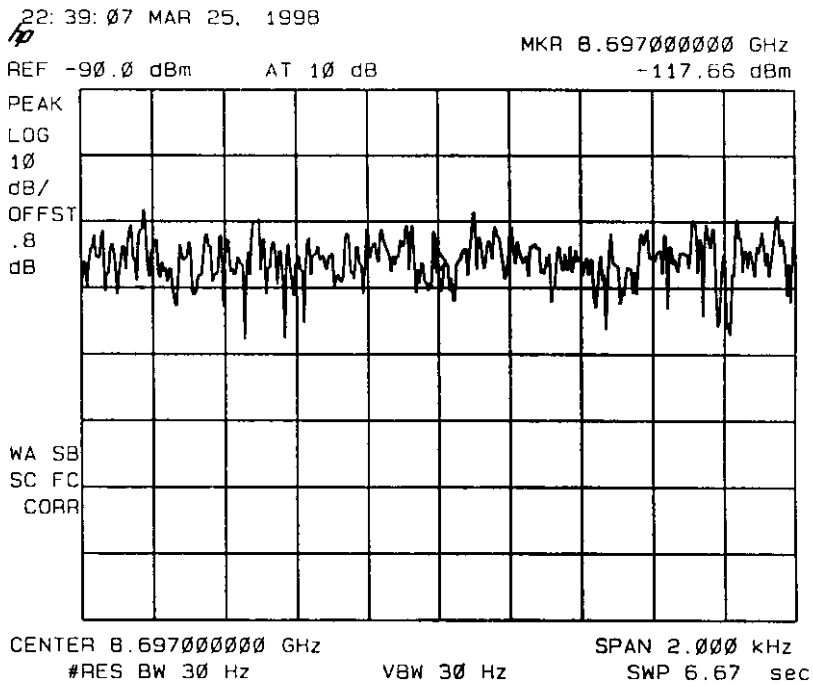

22: 31: 53 MAR 25, 1998
MKR 5.218200000 GHz
REF -90.0 dBm
AT 10 dB
-126.68 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.218200000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
VBW 30 Hz
SWP 6.67 sec


22: 32: 14 MAR 25, 1998
MKR 6.087900000 GHz
REF -90.0 dBm
AT 10 dB
-119.66 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.087900000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
VBW 30 Hz
SWP 6.67 sec


22: 33: 39 MAR 25, 1998
MKR 6.957600000 GHz
REF -90.0 dBm
AT 10 dB
-116.54 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.957600000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
VBW 30 Hz
SWP 6.67 sec

vandrie
03-25-98
21:35:05





MOTOROLA

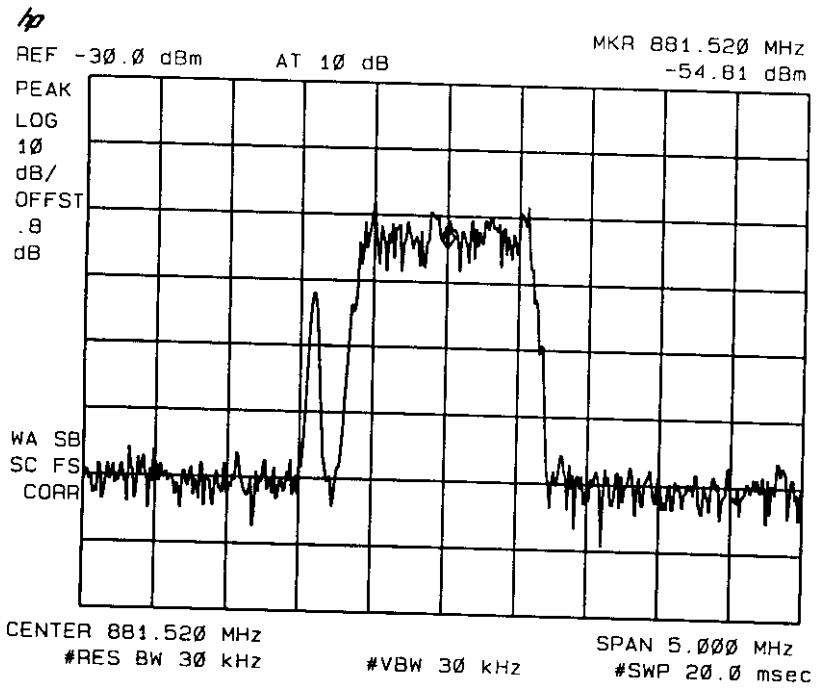
Cellular Infrastructure Group
Personal Communications Division

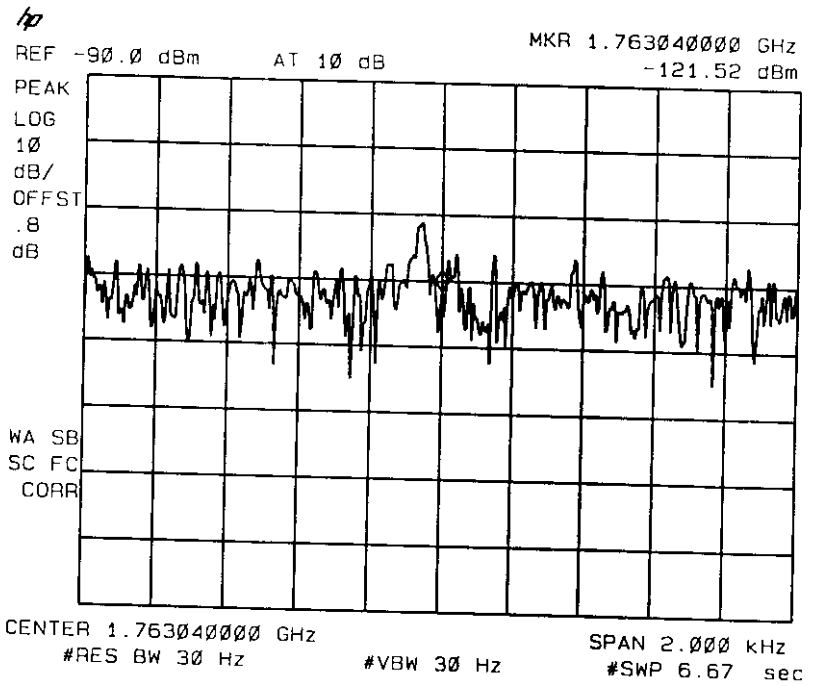
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

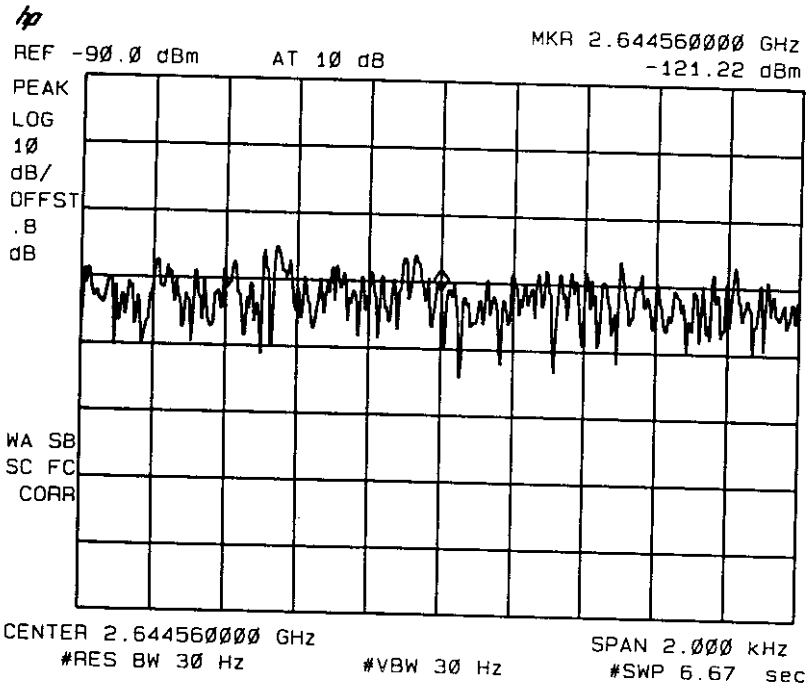
CDMA Transmitter Channel 384

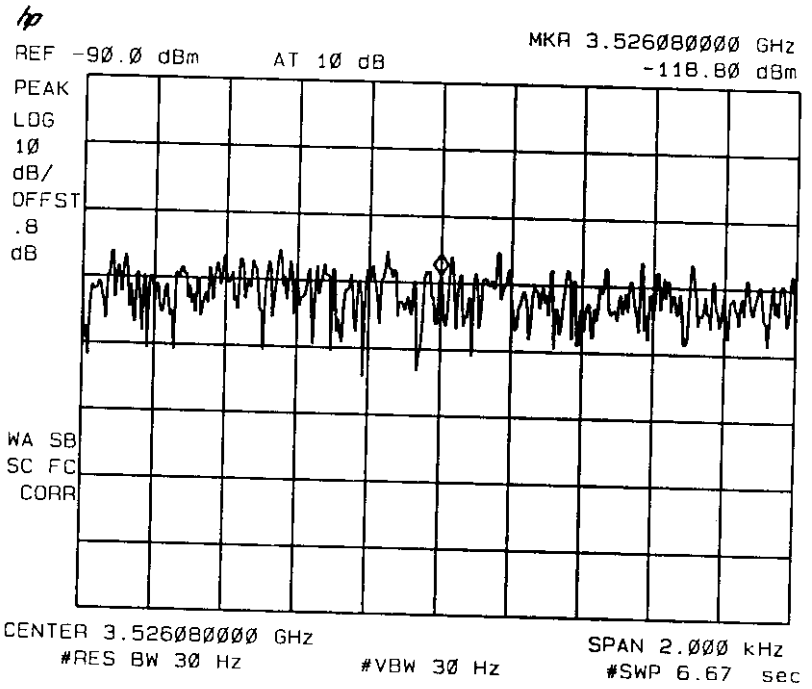
Minimum Power

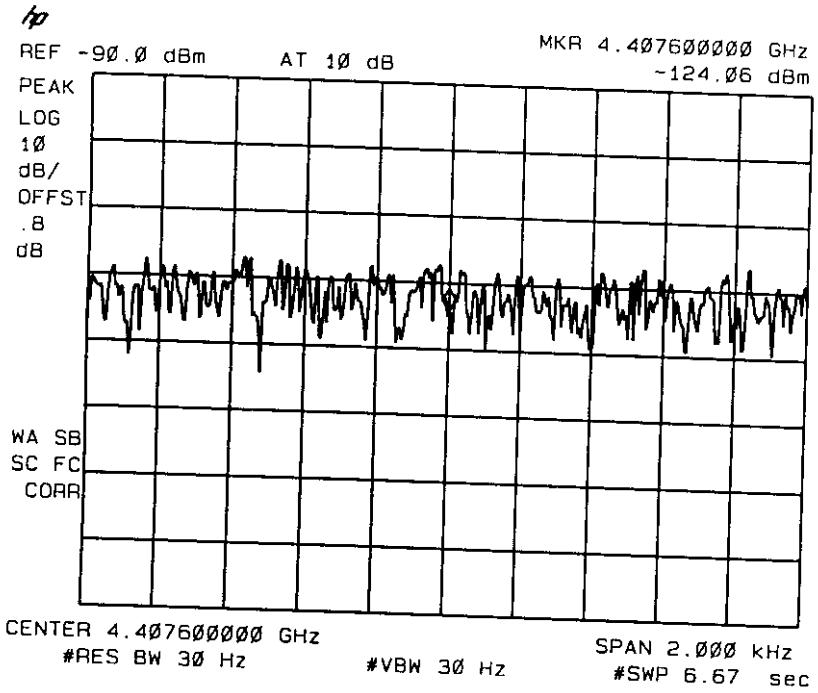
sate
-16-98
17:13:29

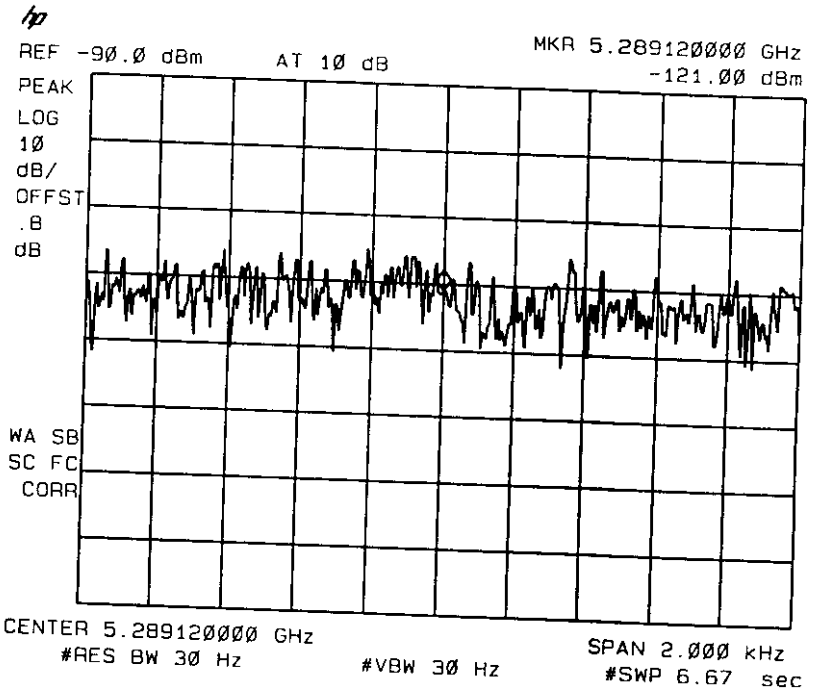


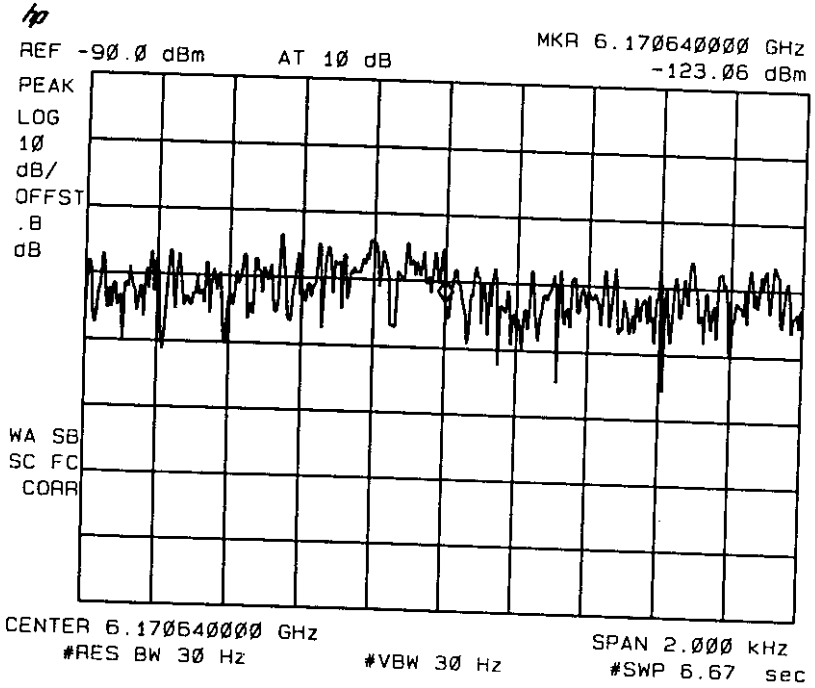


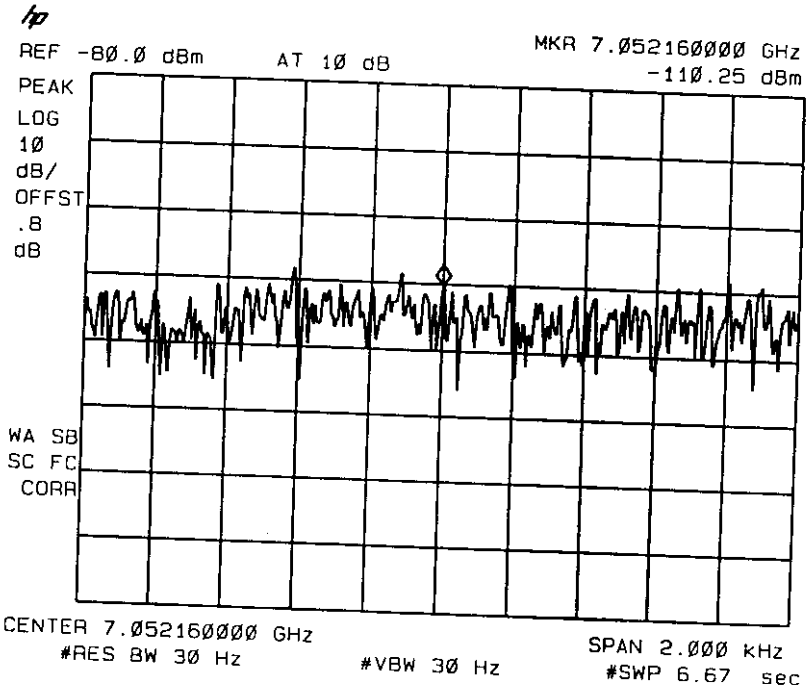


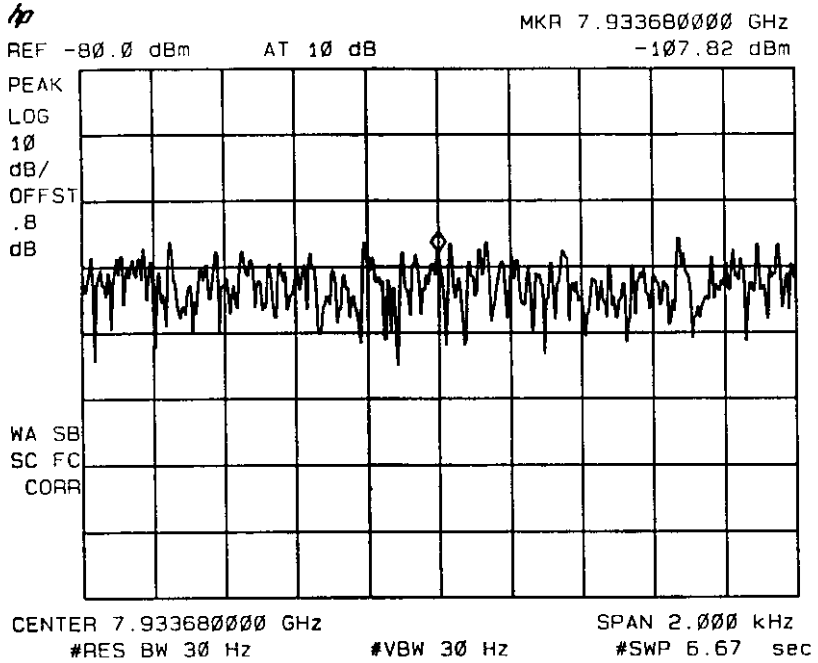



REF -90.0 dBm
AT 10 dB
MKR 4.407600000 GHz
-124.06 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.407600000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

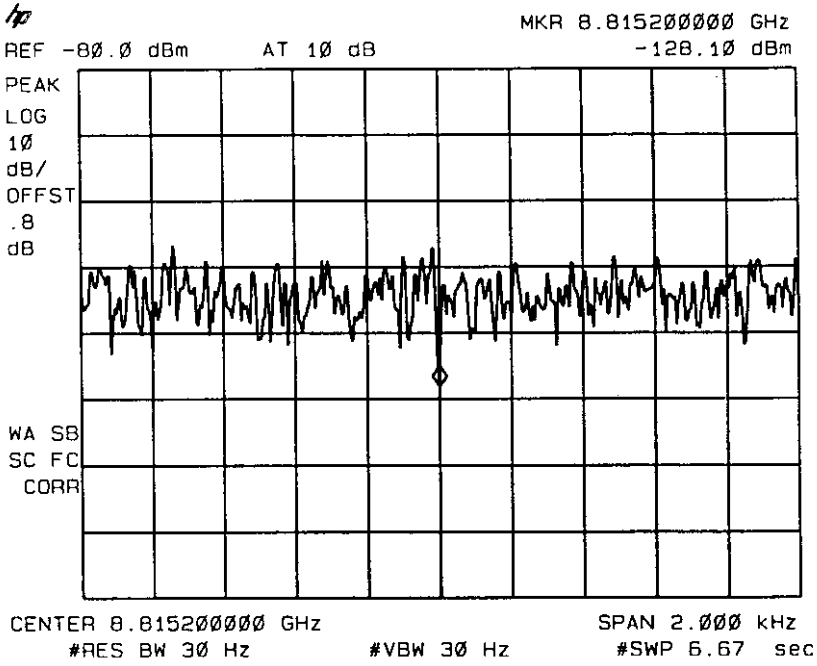

REF -90.0 dBm
AT 10 dB
MKR 5.289120000 GHz
-121.00 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.289120000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


REF -90.0 dBm
AT 10 dB
MKR 6.170640000 GHz
-123.06 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.170640000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


REF -80.0 dBm
AT 10 dB
MKR 7.052160000 GHz
-110.25 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.052160000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec



_sate
04-16-98
17:21:41



MOTOROLA

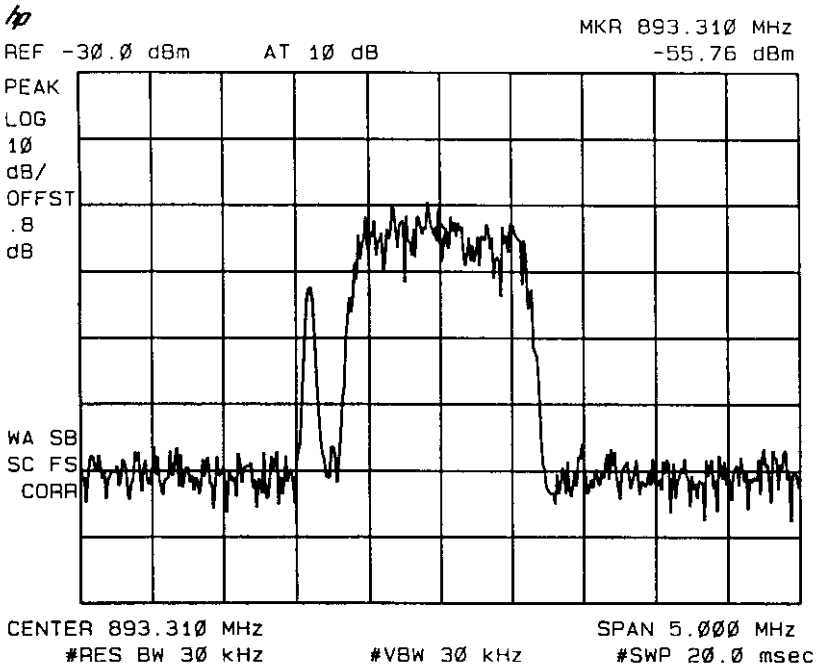
Cellular Infrastructure Group
Personal Communications Division

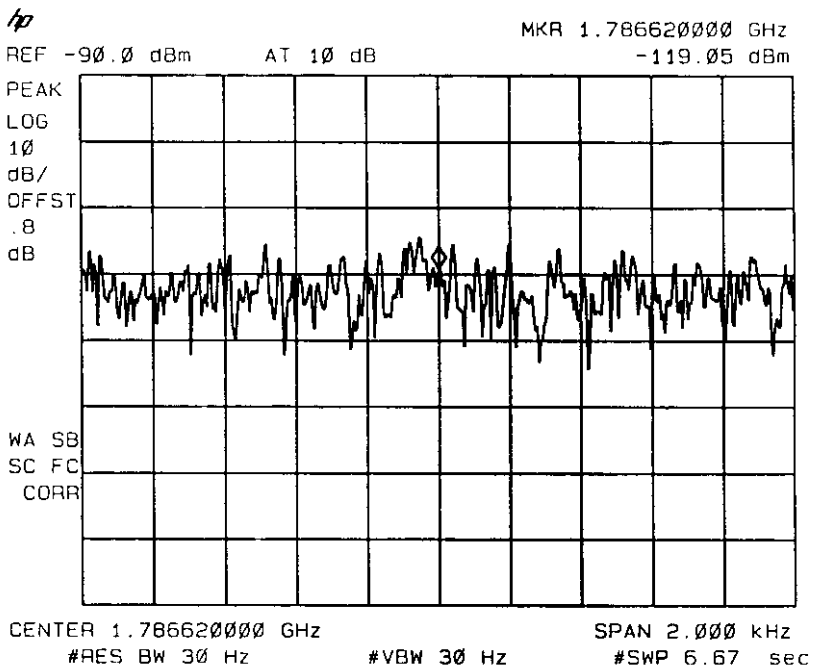
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

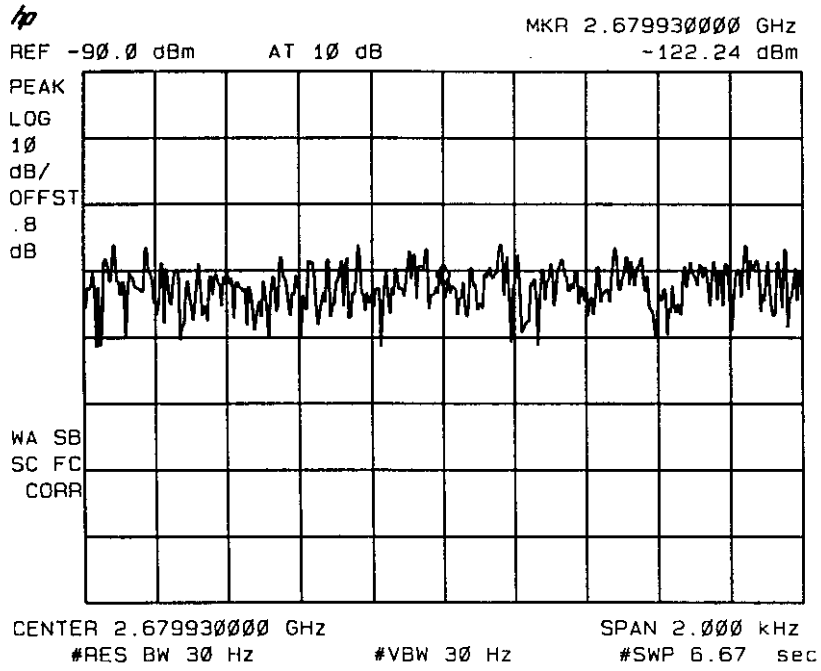
CDMA Transmitter Channel 777

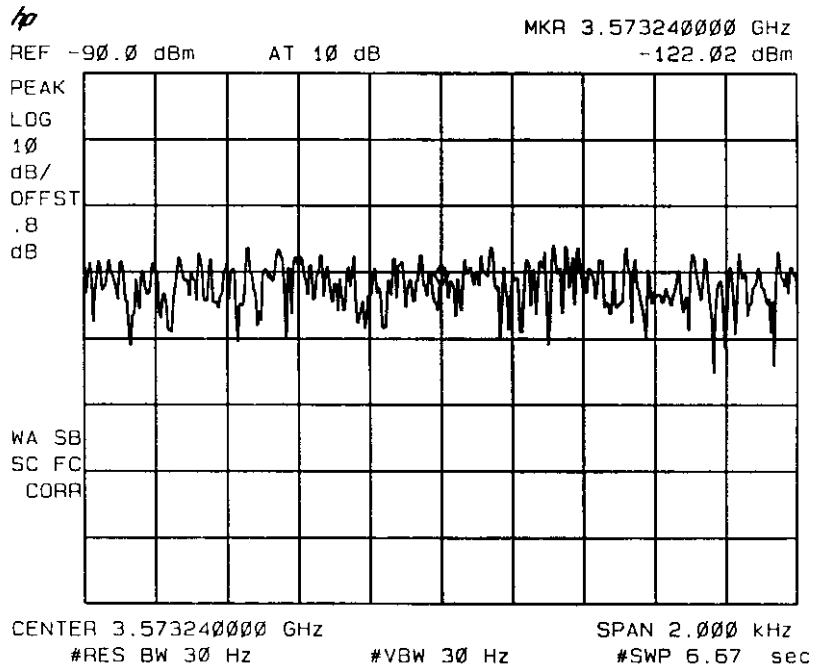
Minimum Power

btsate
04-16-98
17:33:46

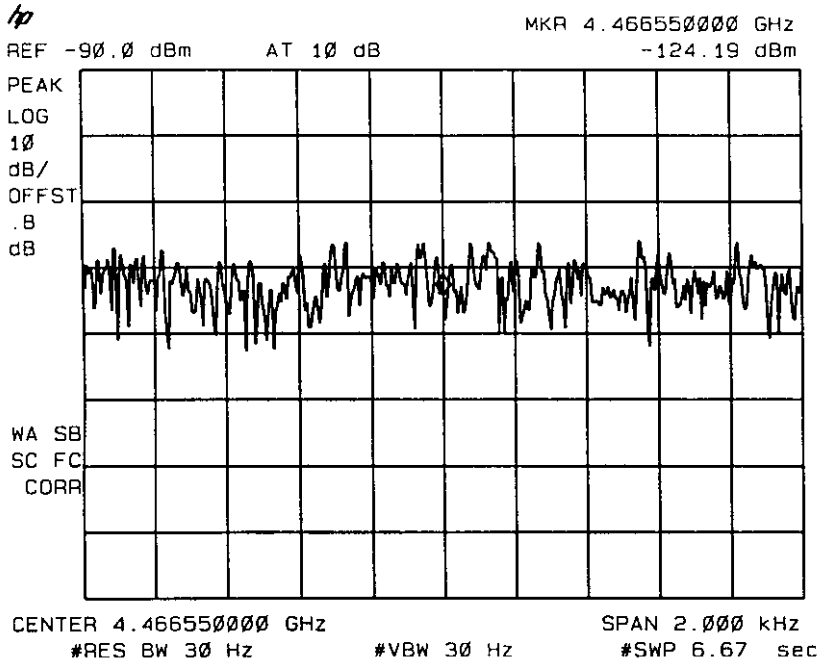


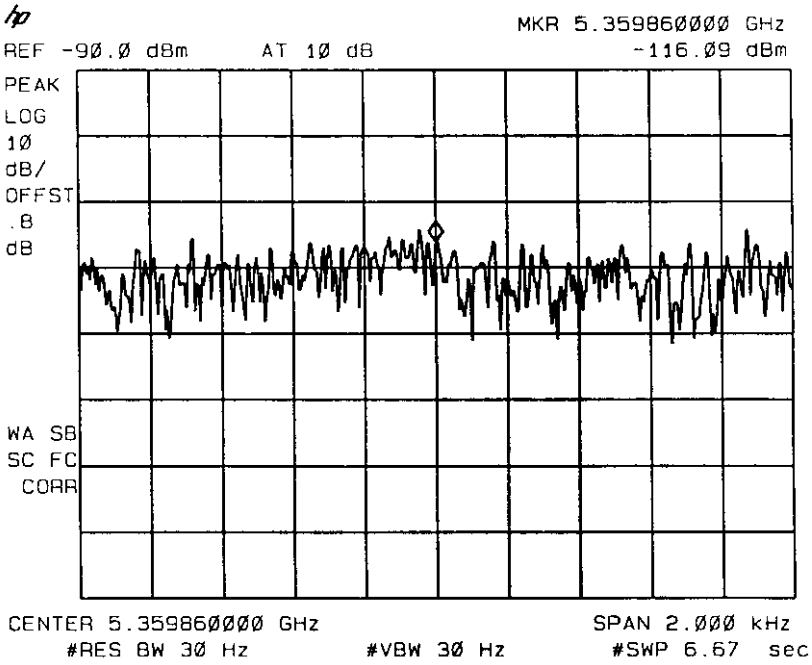


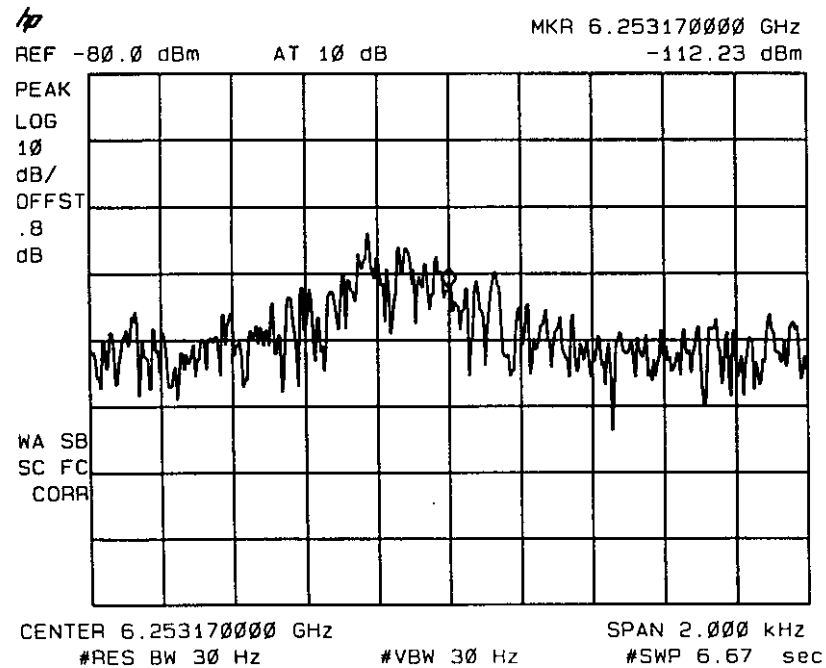


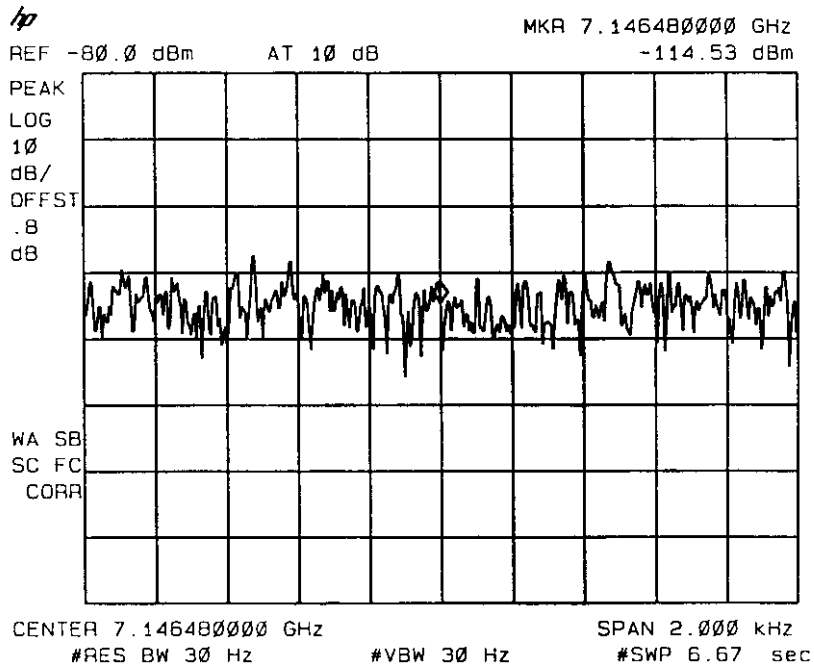


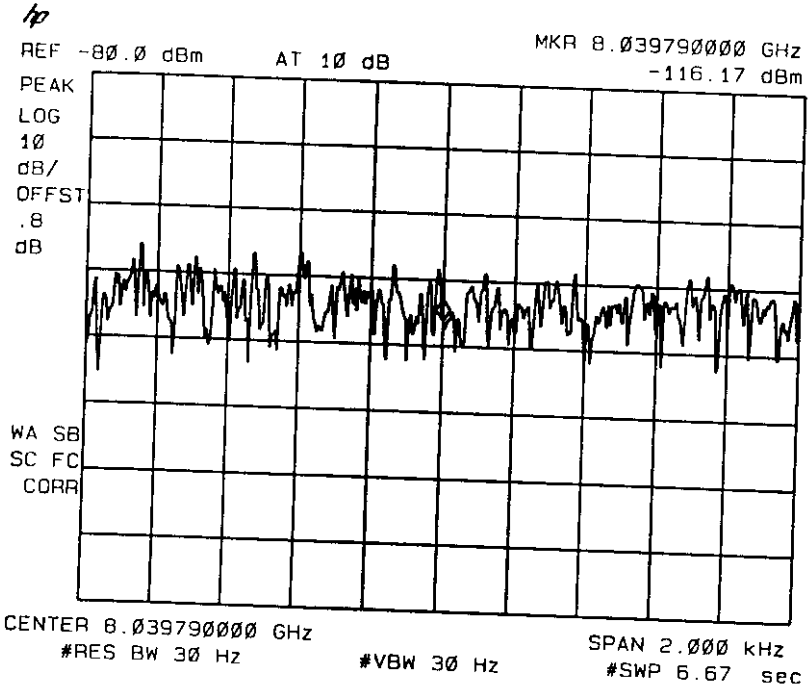
btsate
04-16-98
17:28:06

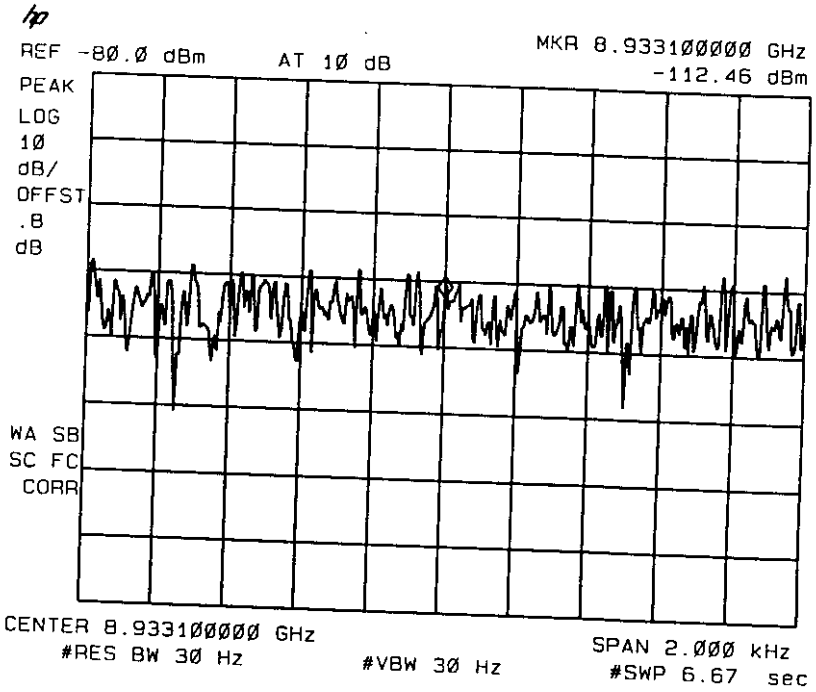









REF -80.0 dBm
AT 10 dB
MKR 8.039790000 GHz
-116.17 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.039790000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


REF -80.0 dBm
AT 10 dB
MKR 8.933100000 GHz
-112.46 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.933100000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

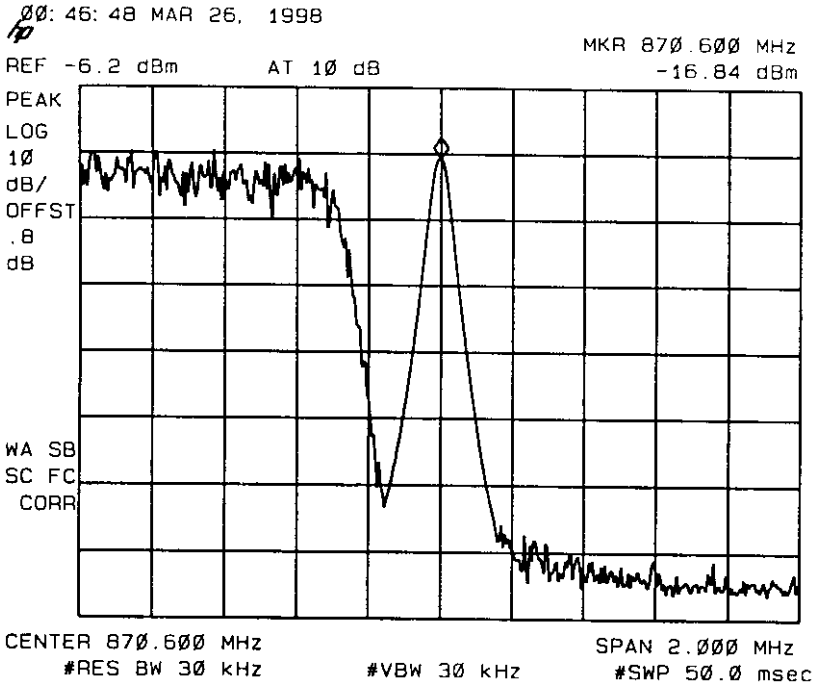
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

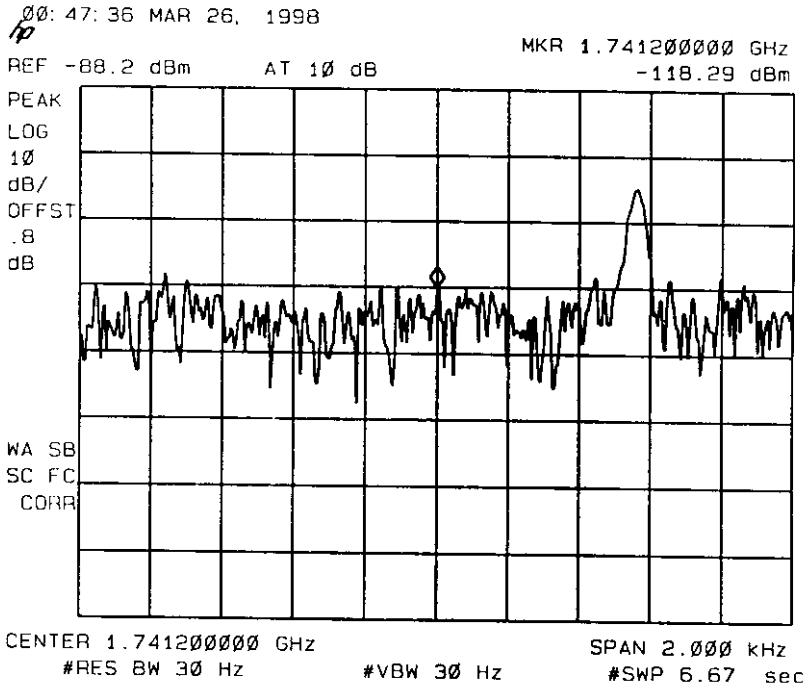
Analog Transmitter Channel 20

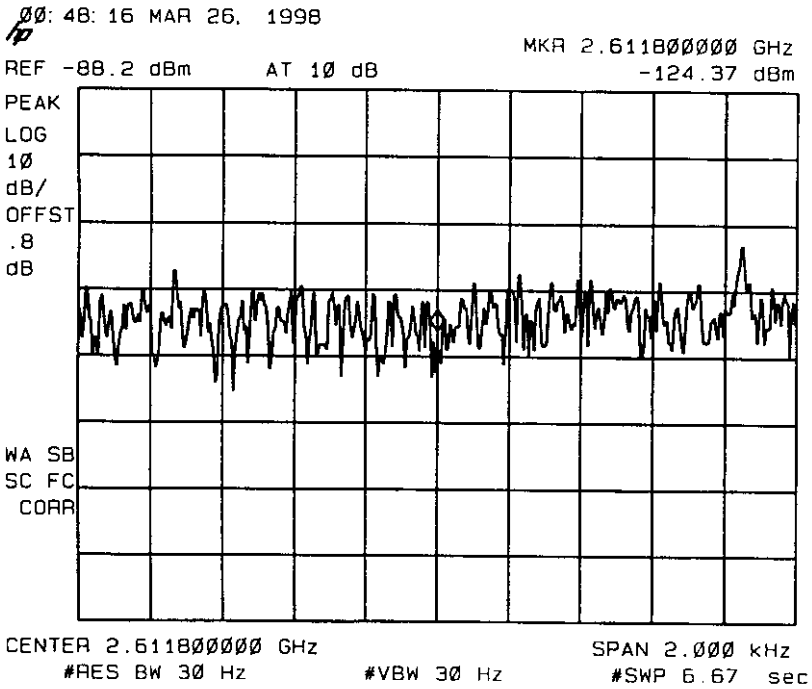
Maximum Power

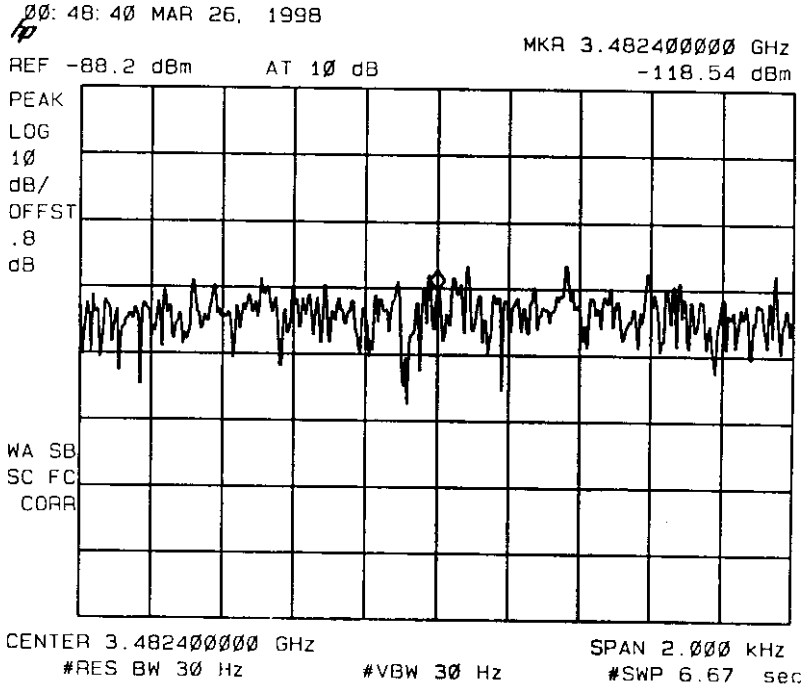
Wide Band

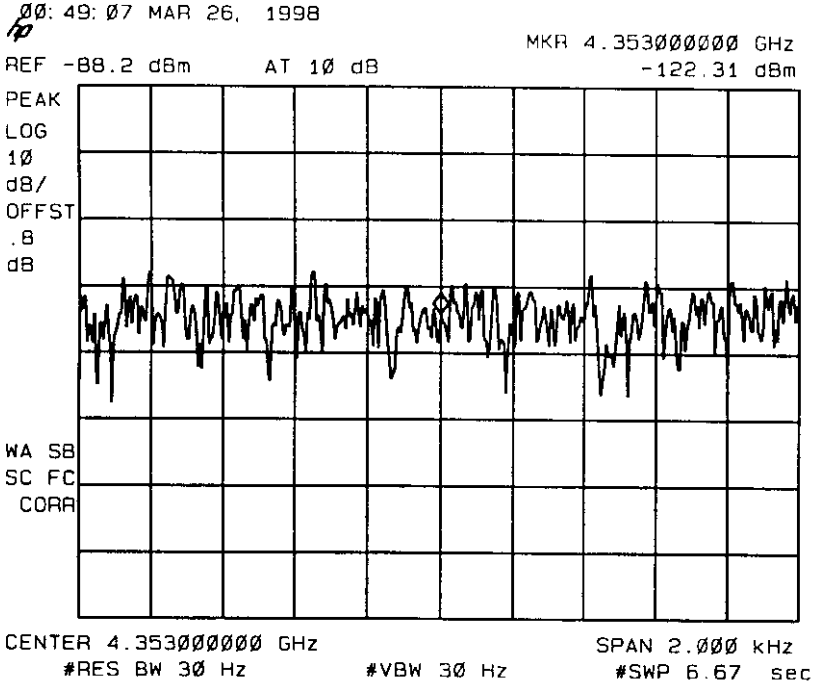
vandrie
3-25-98
23:44:37

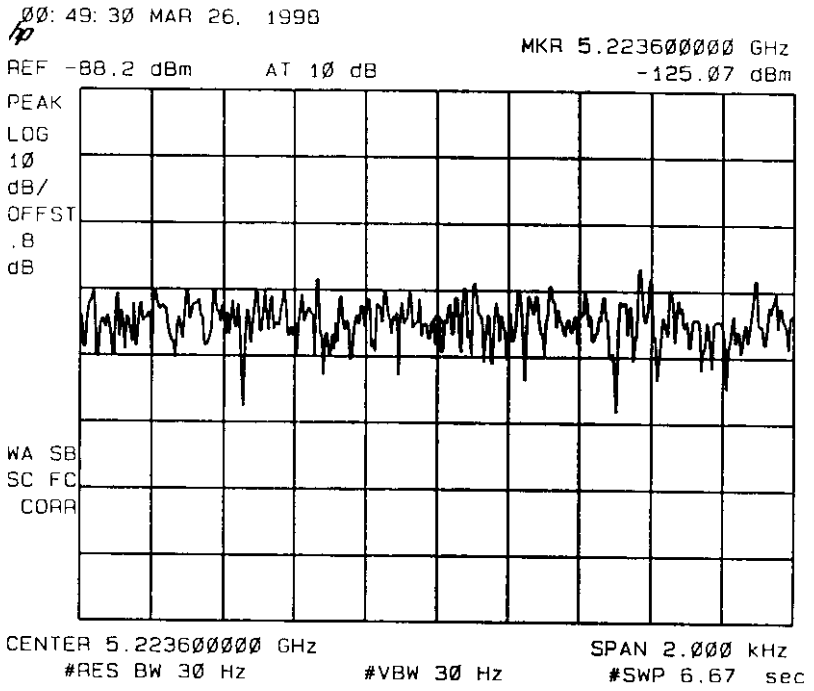


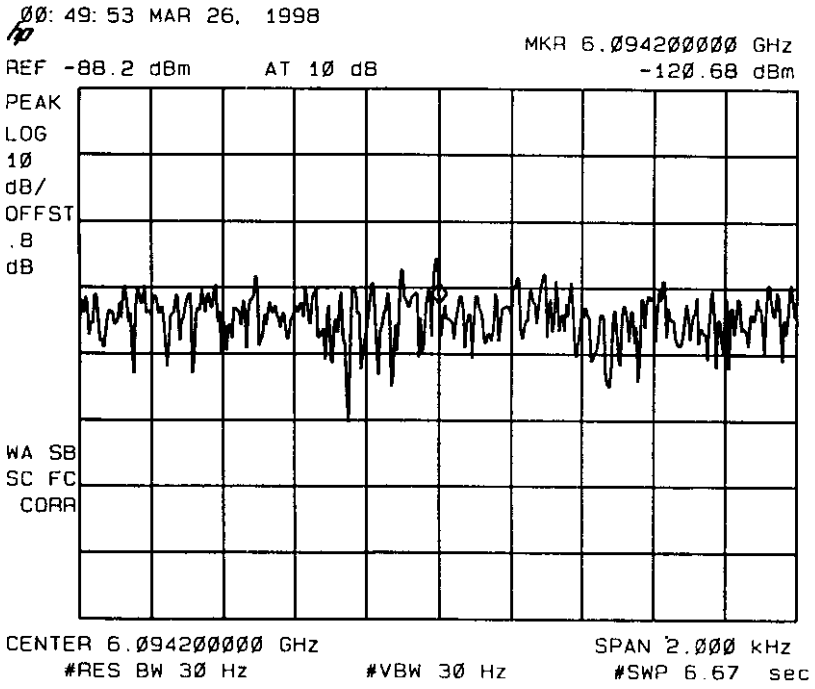


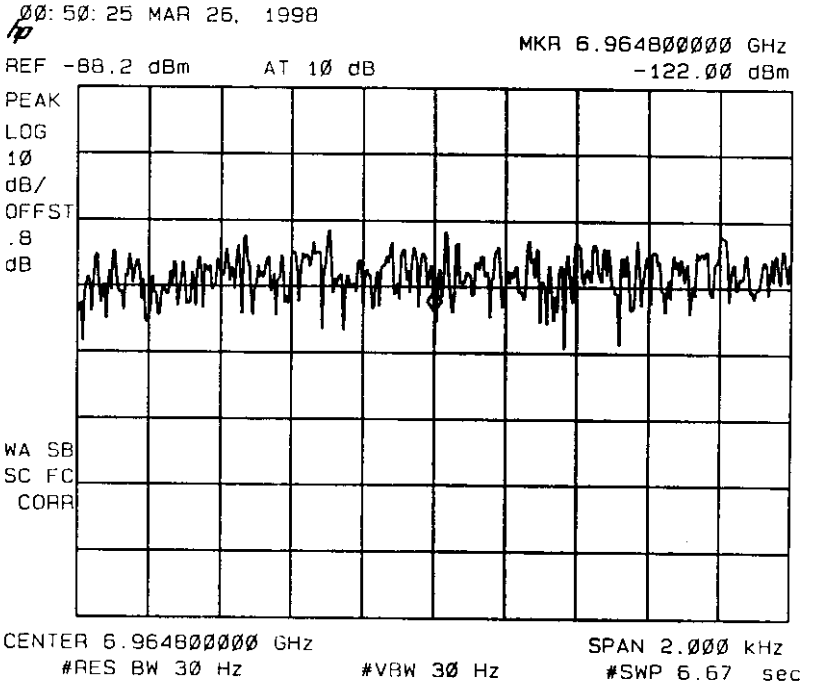


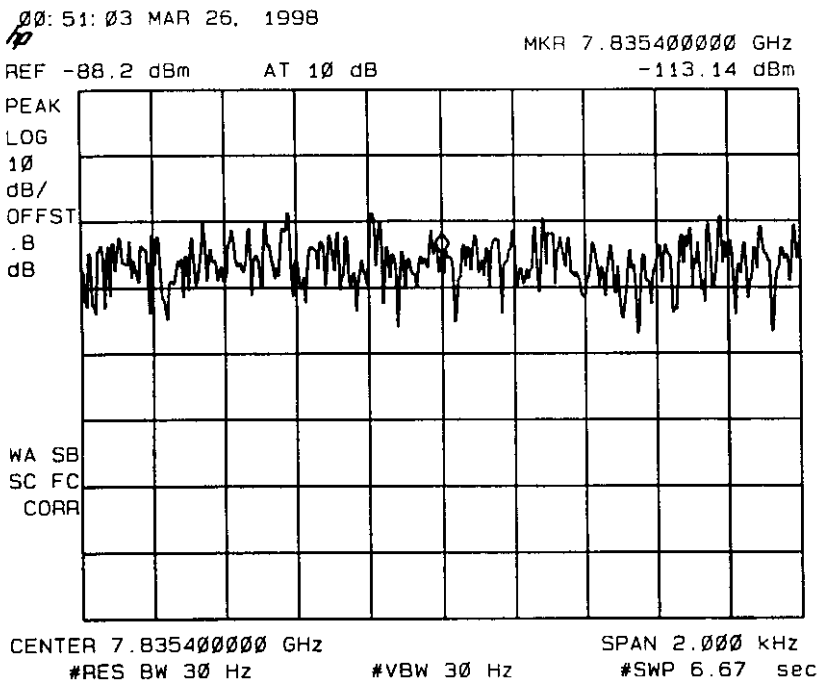


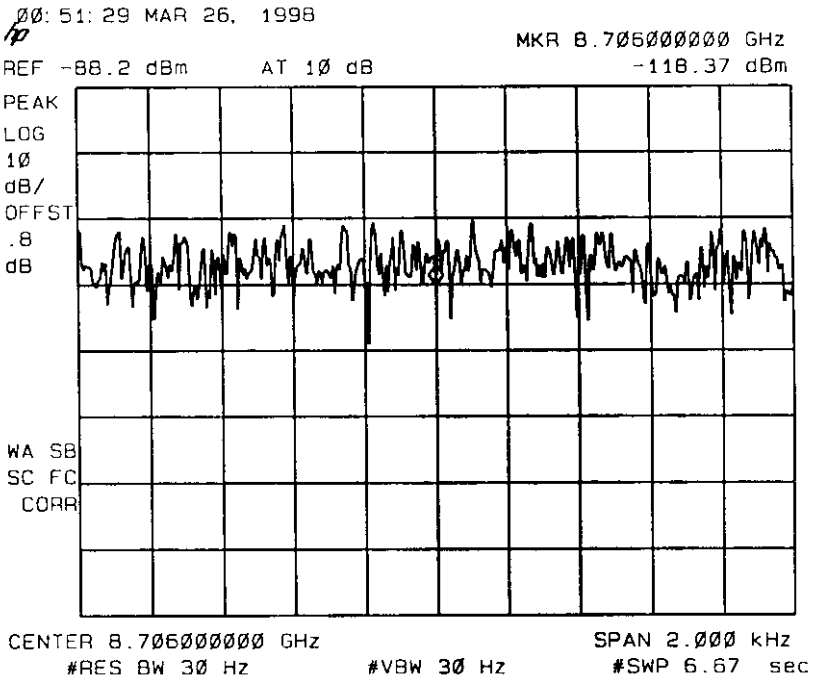

ØØ: 49: Ø7 MAR 26, 1998
MKR 4.353ØØØØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-122.31 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.353ØØØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 49: 3Ø MAR 26, 1998
MKR 5.223ØØØØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-125.Ø7 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.223ØØØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 49: 53 MAR 26, 1998
MKR 6.Ø942ØØØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-12Ø.68 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.Ø942ØØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 5Ø: 25 MAR 26, 1998
MKR 6.964ØØØØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-122.ØØ dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.964ØØØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 51: Ø3 MAR 26, 1998
MKR 7.835400000 GHz
REF -88.2 dBm
AT 1Ø dB
-113.14 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.835400000 GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 51: 29 MAR 26, 1998
MKR 8.706000000 GHz
REF -88.2 dBm
AT 1Ø dB
-118.37 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.706000000 GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec

MOTOROLA

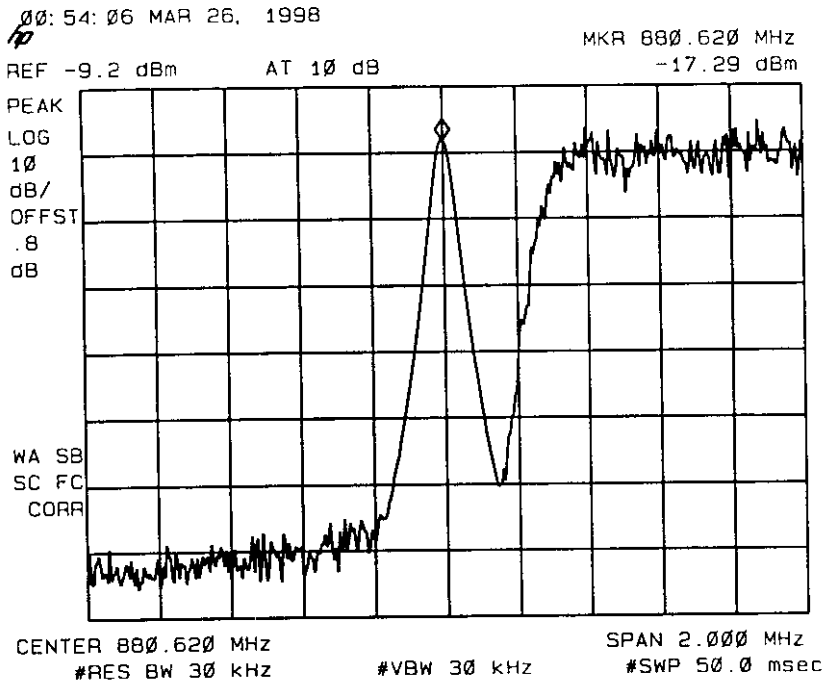
Cellular Infrastructure Group
Personal Communications Division

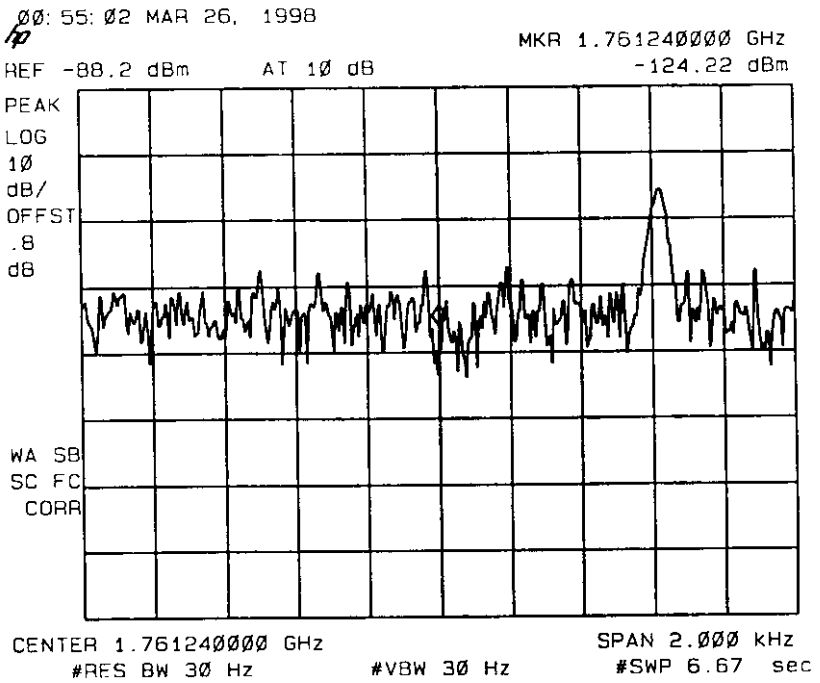
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

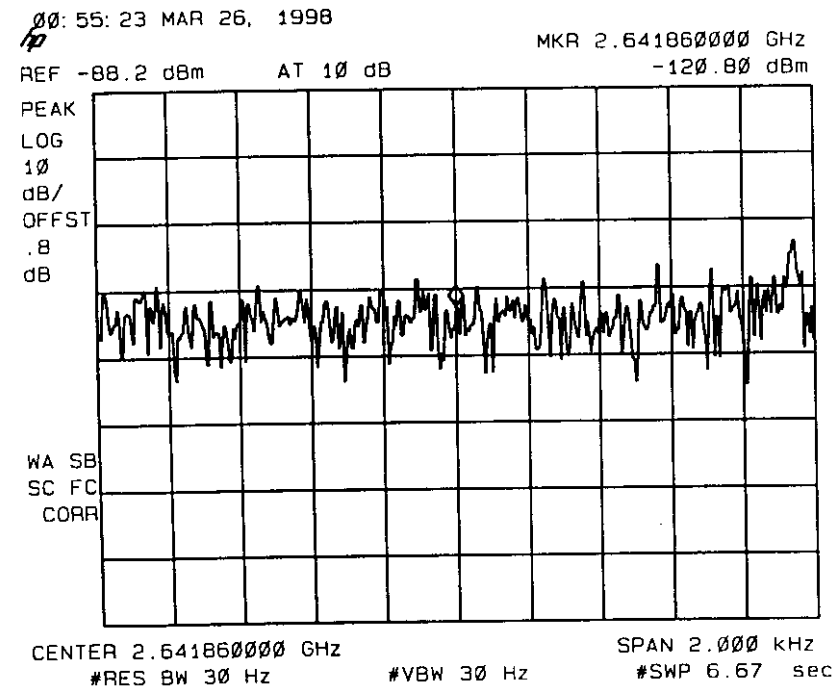
Analog Transmitter Channel 354

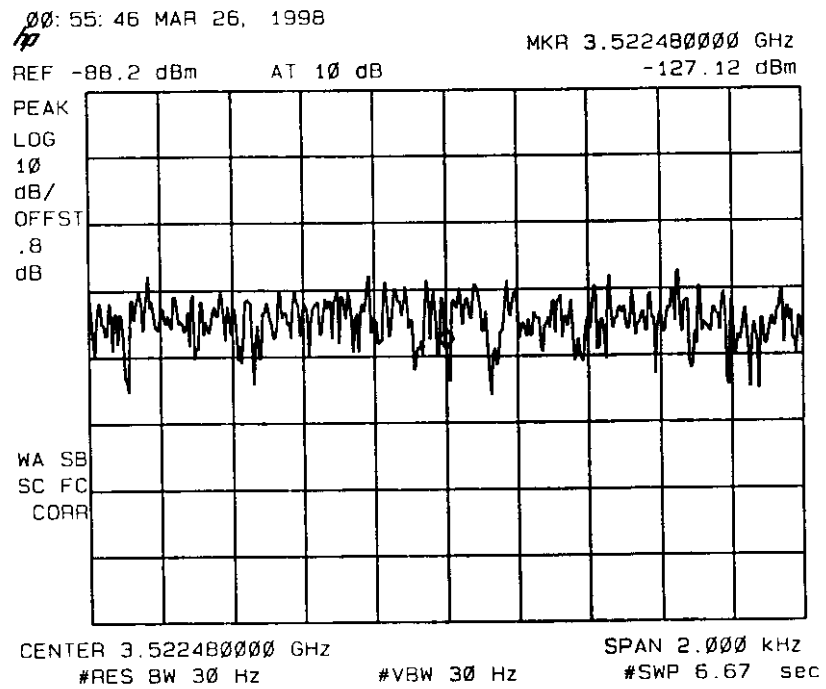
Maximum Power

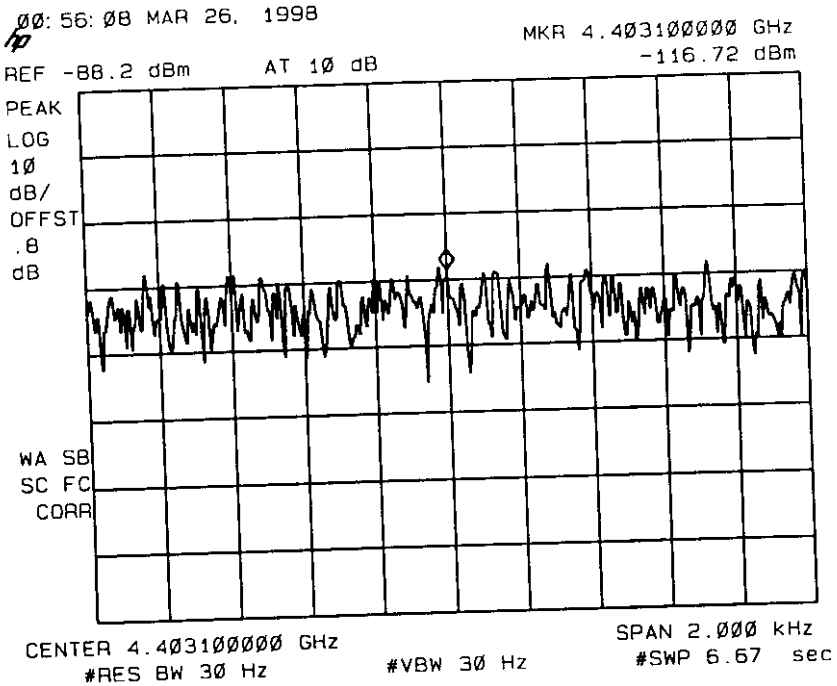
Wide Band

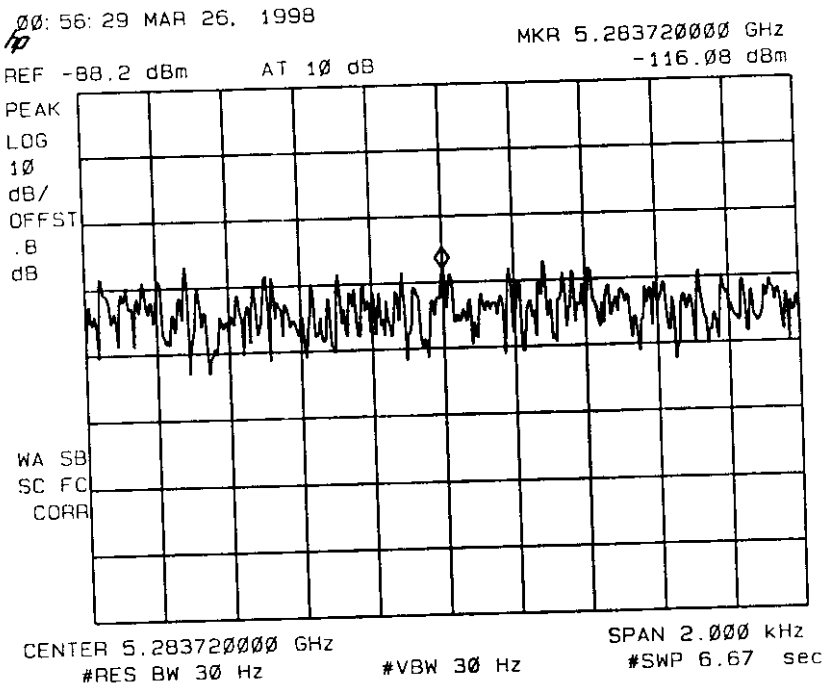

ØØ: 54: Ø6 MAR 26, 1998
MKR 88Ø.62Ø MHz
REF -9.2 dBm
AT 1Ø dB
-17.29 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 88Ø.62Ø MHz
#RES BW 3Ø kHz
#VBW 3Ø kHz
SPAN 2.ØØØ MHz
#SWP 5Ø.Ø msec

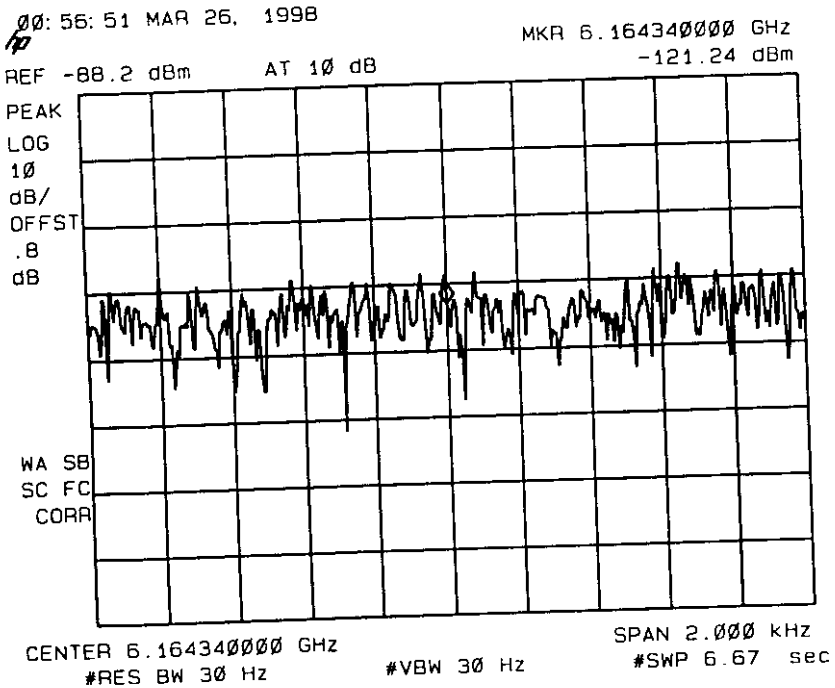

ØØ: 55: Ø2 MAR 26, 1998
MKR 1.761240ØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-124.22 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.761240ØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec

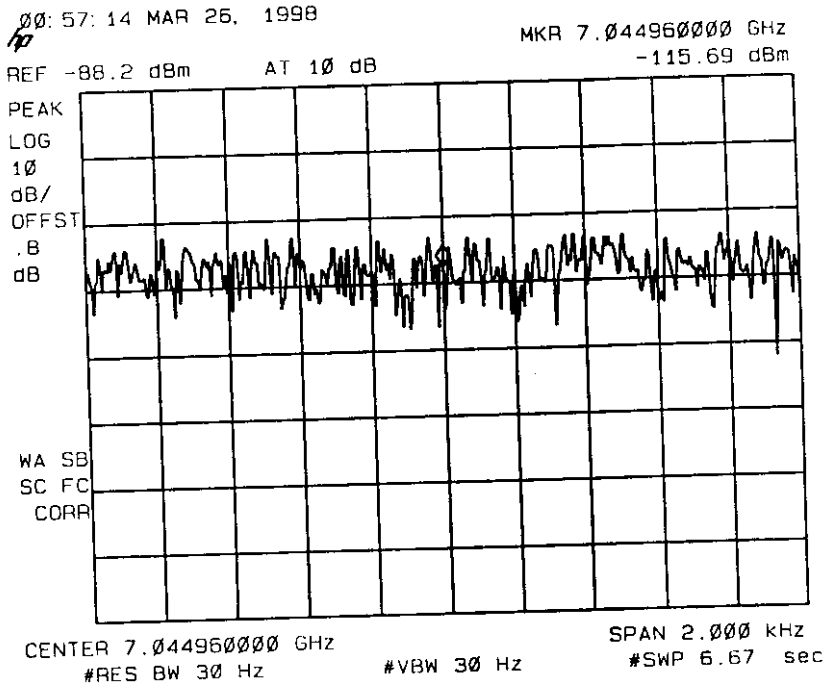

ØØ: 55: 23 MAR 26, 1998
MKR 2.641860ØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-12Ø.8Ø dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.641860ØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec


ØØ: 55: 46 MAR 26, 1998
MKR 3.522480ØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-127.12 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.522480ØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec


ØØ: 56: Ø8 MAR 26, 1998
MKR 4.4Ø31ØØØØØ GHz
-116.72 dBm
REF -88.2 dBm
AT 1Ø dB
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.4Ø31ØØØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec


ØØ: 56: 29 MAR 26, 1998
MKR 5.283720ØØØ GHz
-116.Ø8 dBm
REF -88.2 dBm
AT 1Ø dB
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.283720ØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec


ØØ: 56: 51 MAR 26, 1998
MKR 6.164340ØØØ GHz
-121.24 dBm
REF -88.2 dBm
AT 1Ø dB
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.164340ØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec


ØØ: 57: 14 MAR 26, 1998
MKR 7.Ø4496ØØØØ GHz
-115.69 dBm
REF -88.2 dBm
AT 1Ø dB
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.Ø4496ØØØØ GHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
SPAN 2.ØØØ kHz
#SWP 6.67 sec

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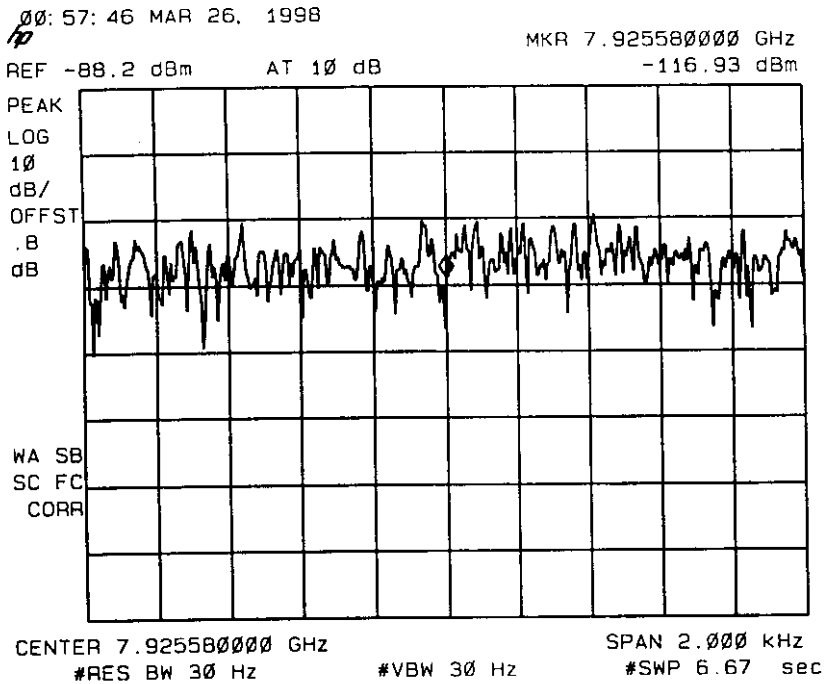
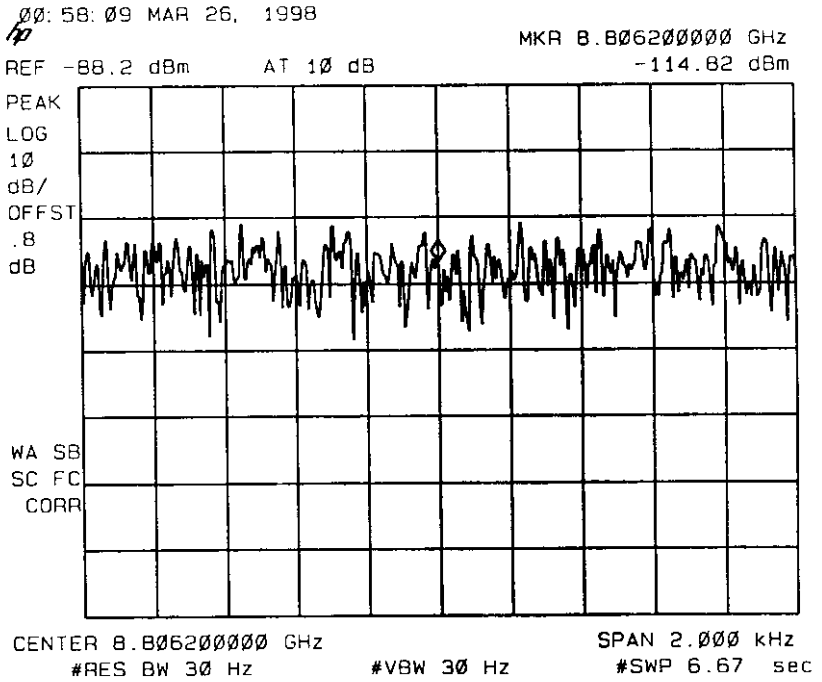
3-25-98
23:54:07





MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

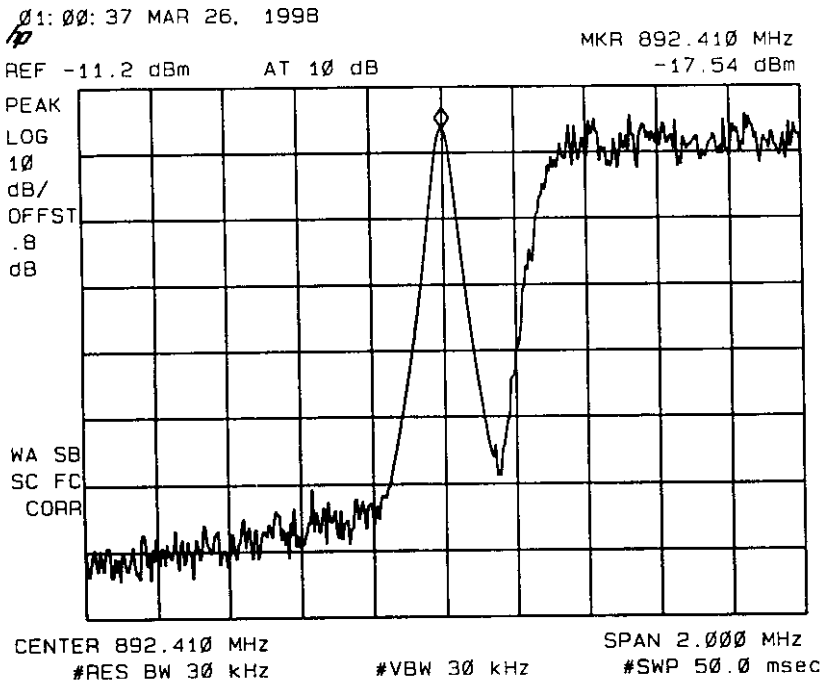
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

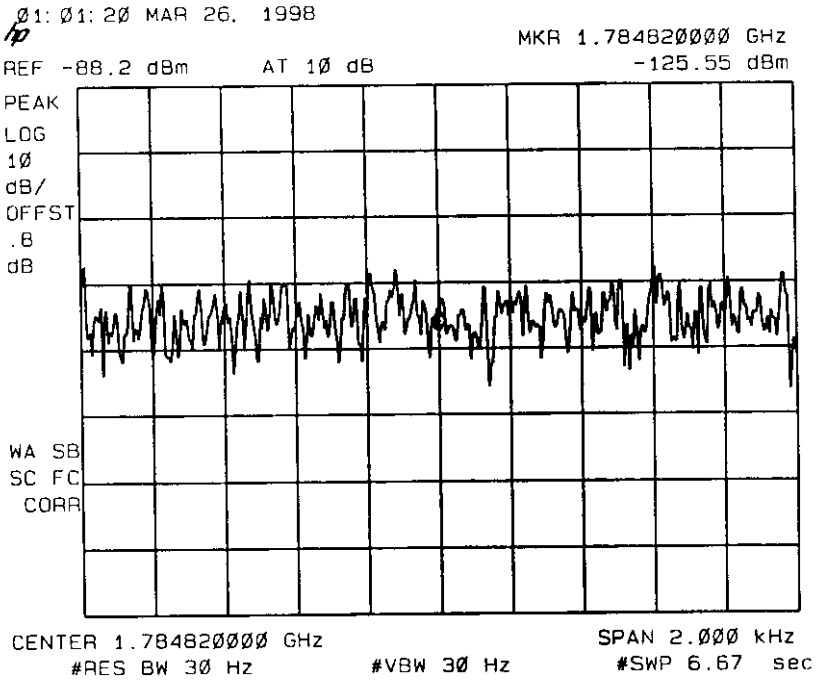
Analog Transmitter Channel 747

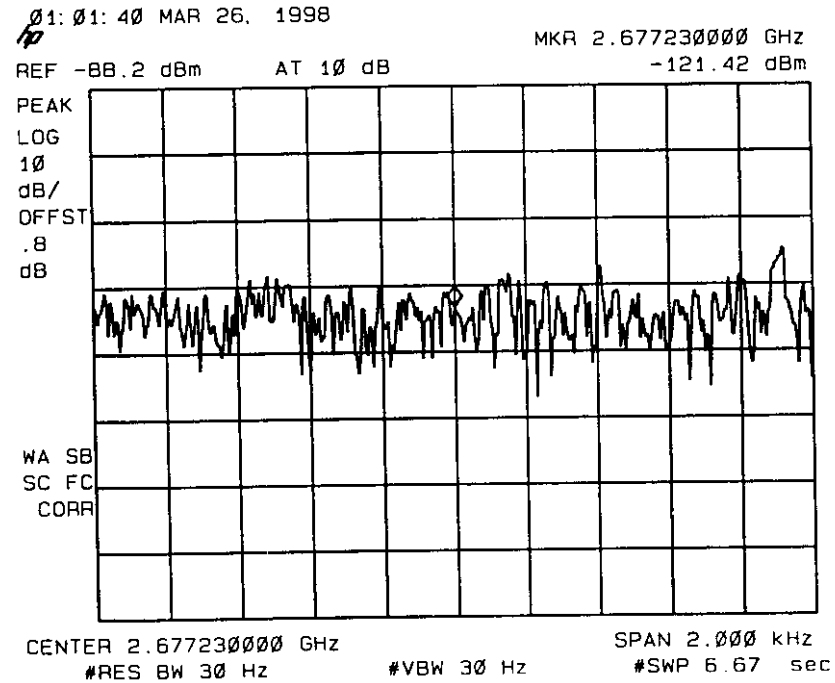
Maximum Power

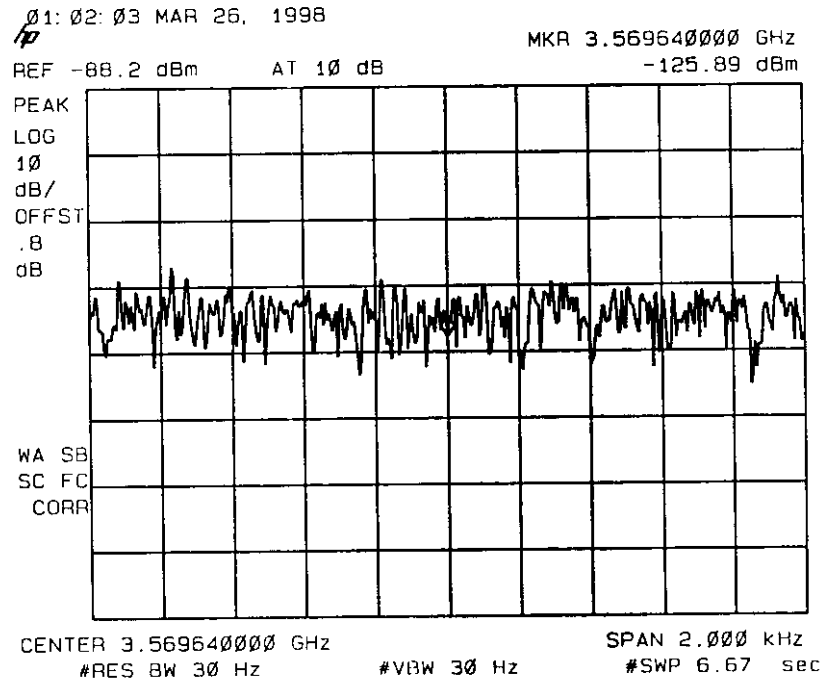
Wide Band

vandrie
03-25-98
23:58:01

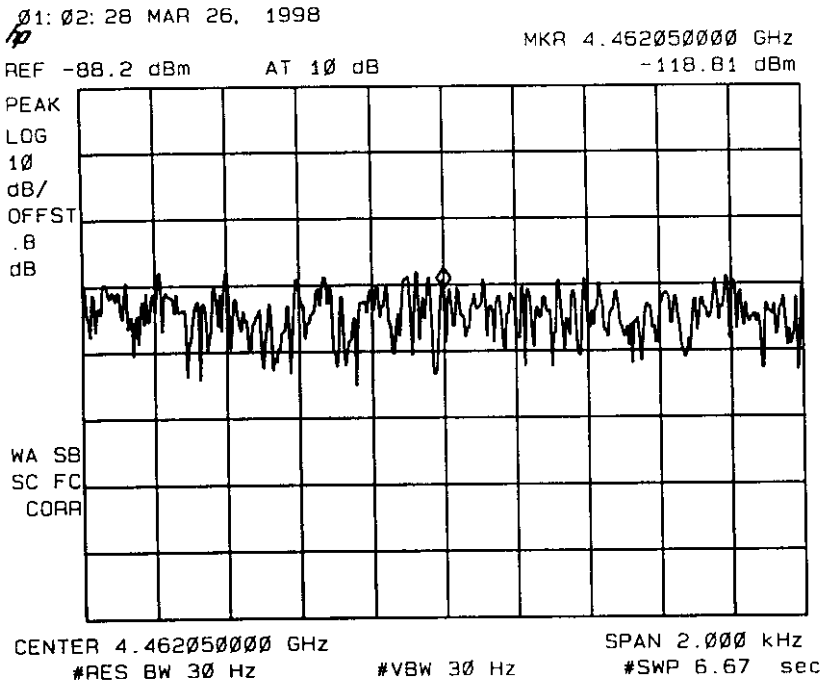


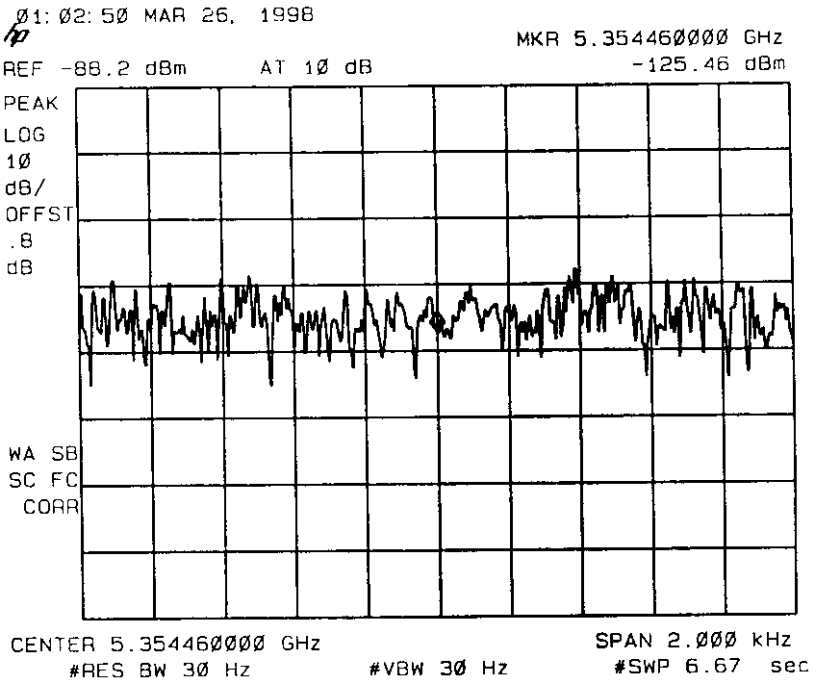


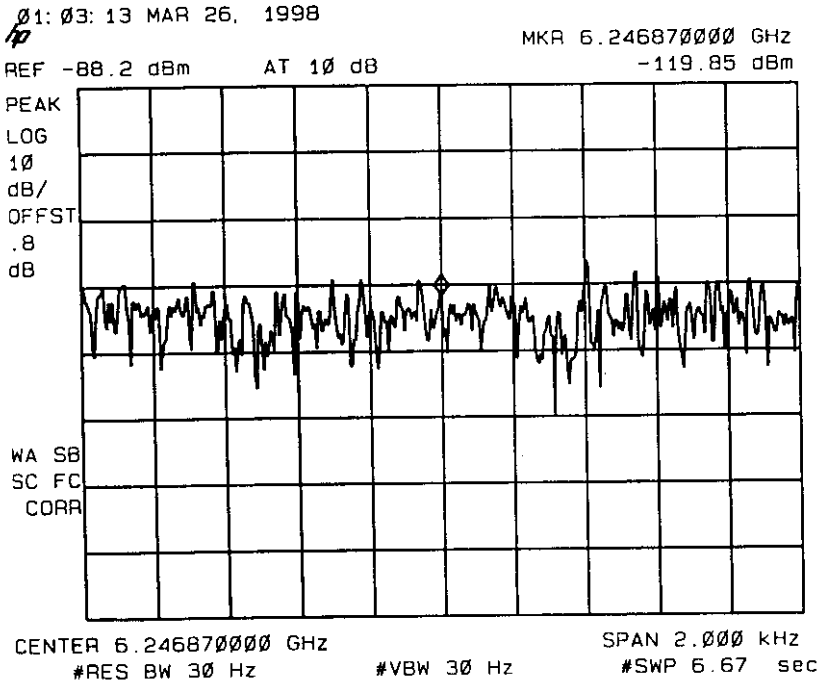


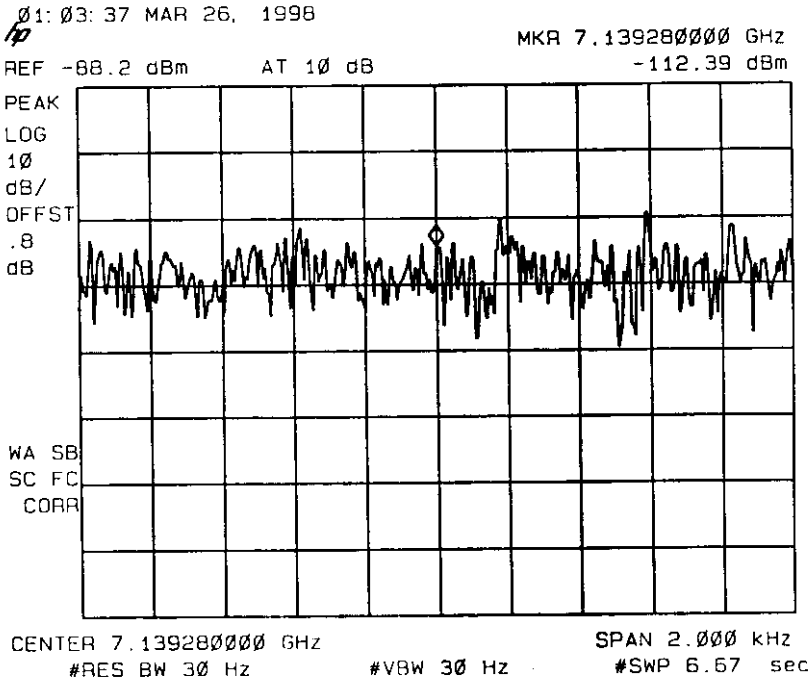


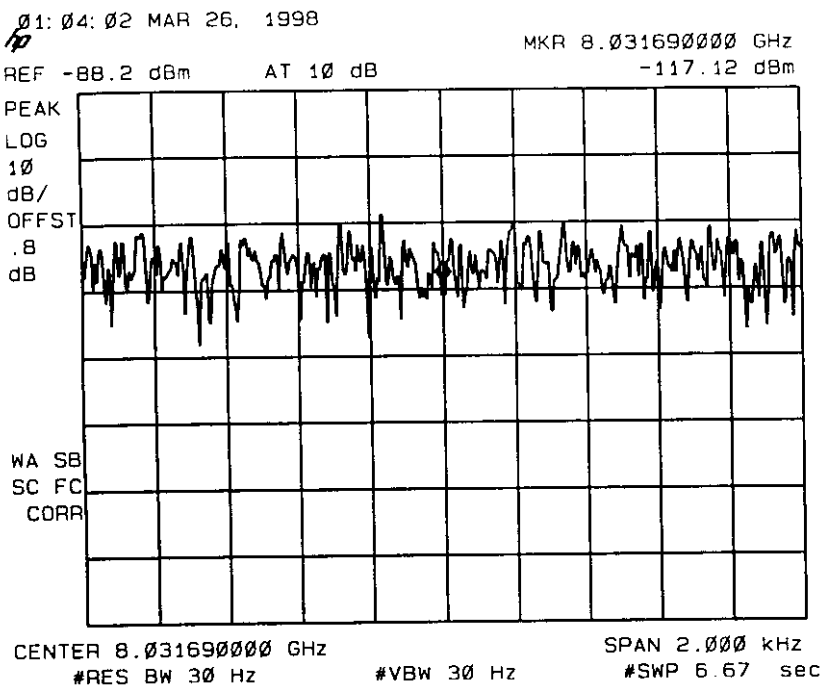
vandrie
3-25-98
23:59:35

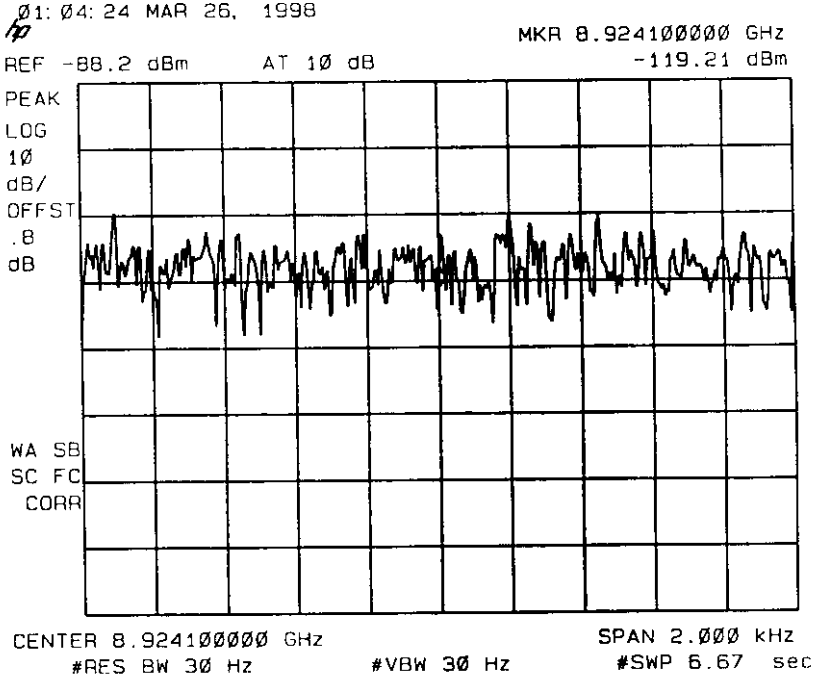









Ø1: Ø4: Ø2 MAR 26, 1998
MKR 8.Ø3169ØØØØ GHz
REF -88.2 dBm
AT 1Ø dB
-117.12 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.Ø3169ØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


Ø1: Ø4: 24 MAR 26, 1998
MKR 8.924100000 GHz
REF -88.2 dBm
AT 1Ø dB
-119.21 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.924100000 GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec

MOTOROLA

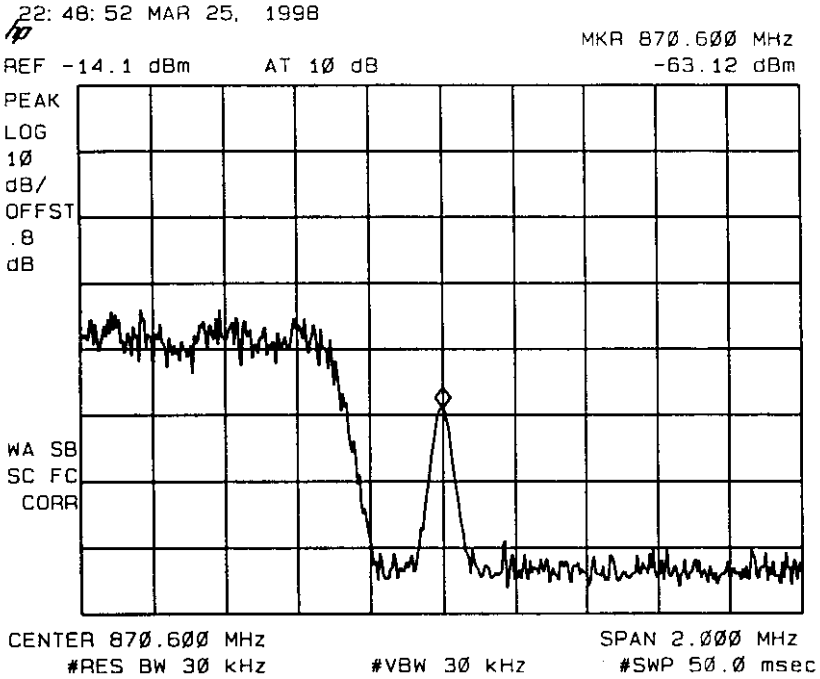
Cellular Infrastructure Group
Personal Communications Division

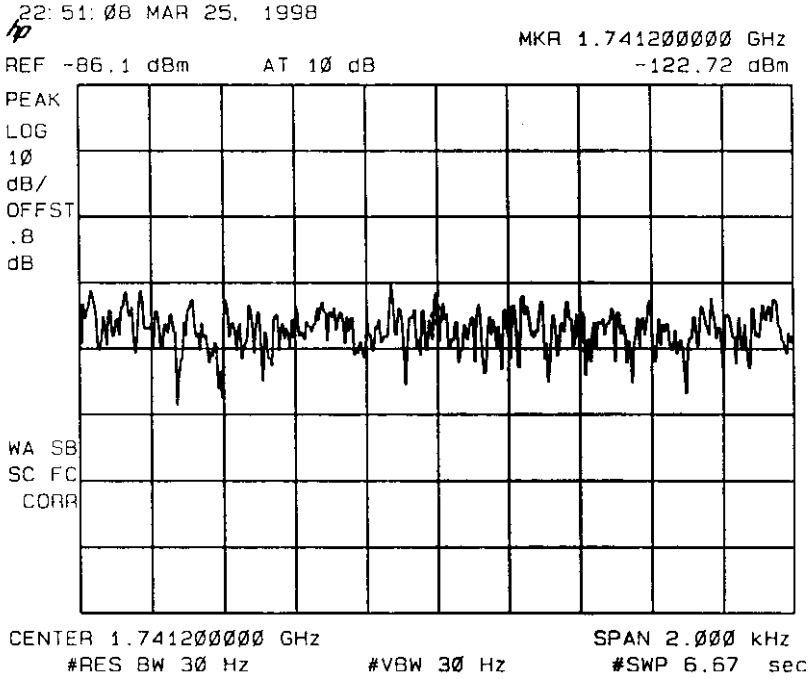
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

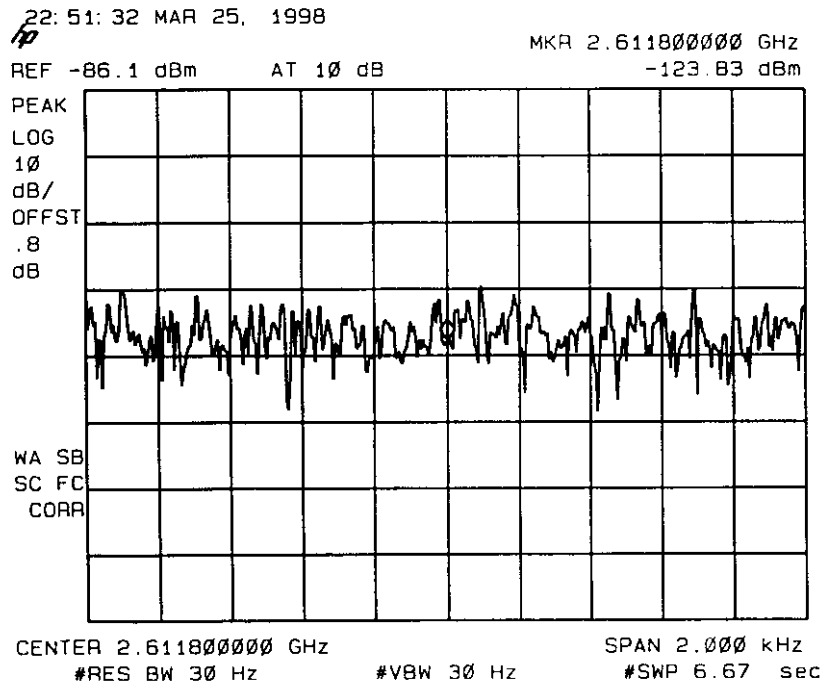
Analog Transmitter Channel 20

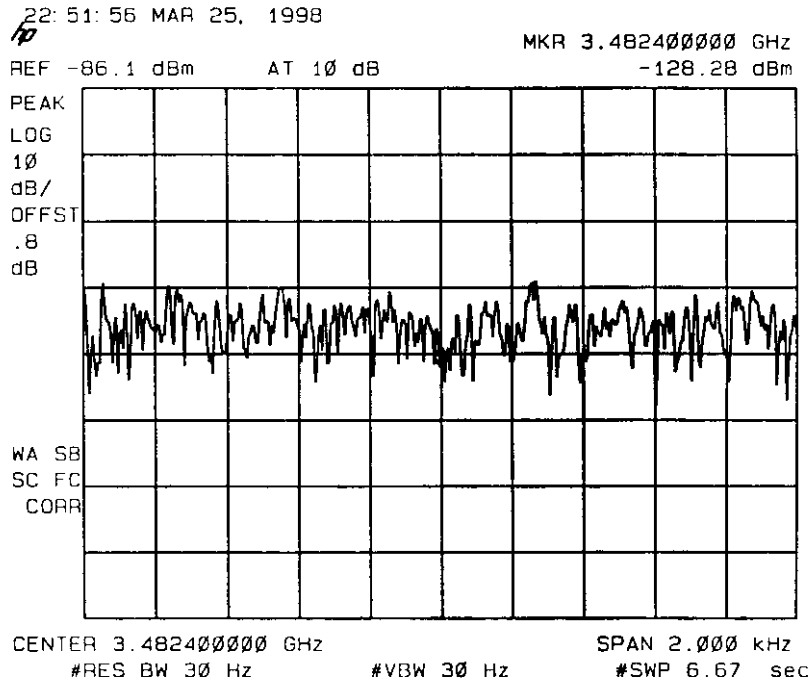
Minimum Power

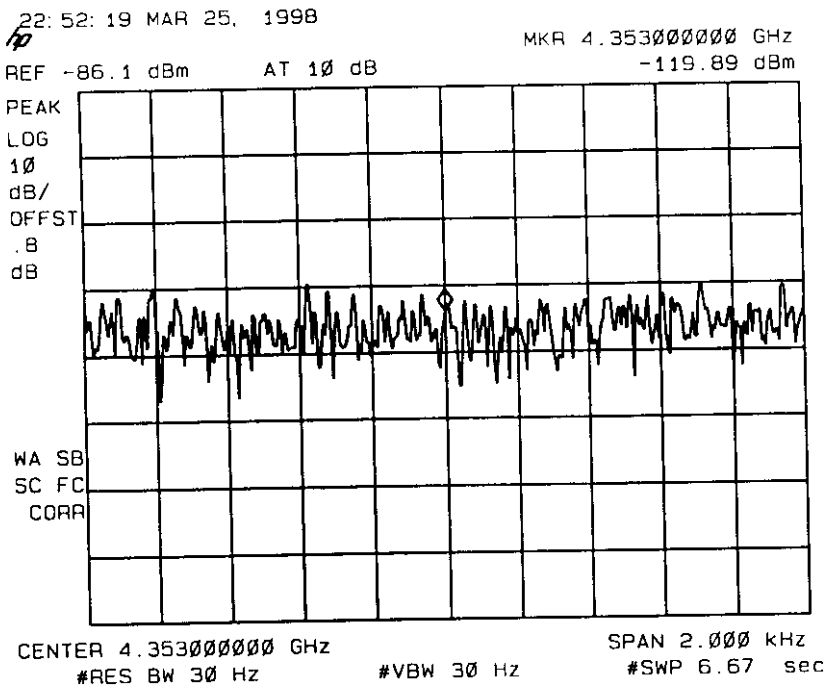
Wide Band

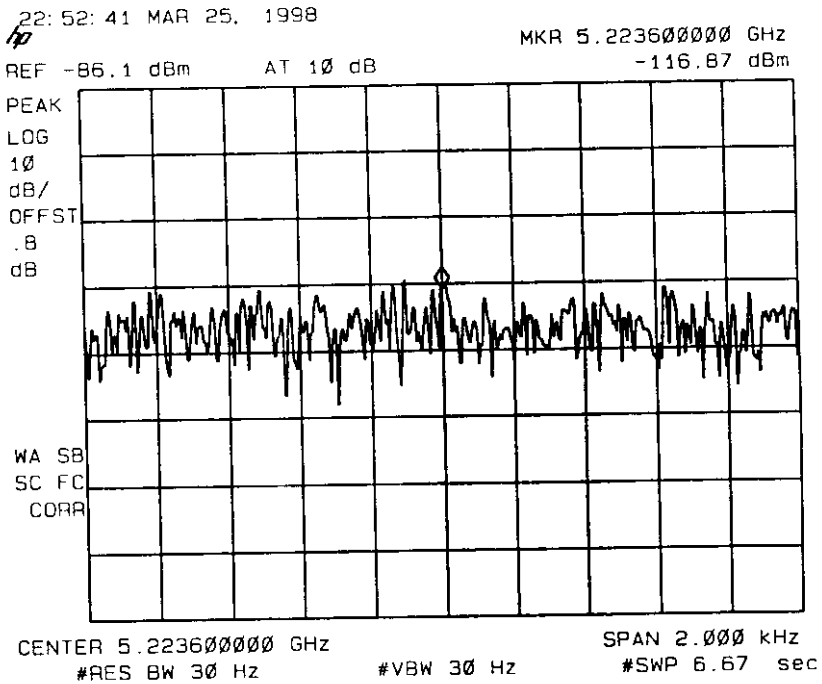

22: 48: 52 MAR 25, 1998
MKR 870.600 MHz
REF -14.1 dBm
AT 10 dB
-63.12 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 870.600 MHz
SPAN 2.000 MHz
#RES BW 30 kHz
#VBW 30 kHz
#SWP 50.0 msec

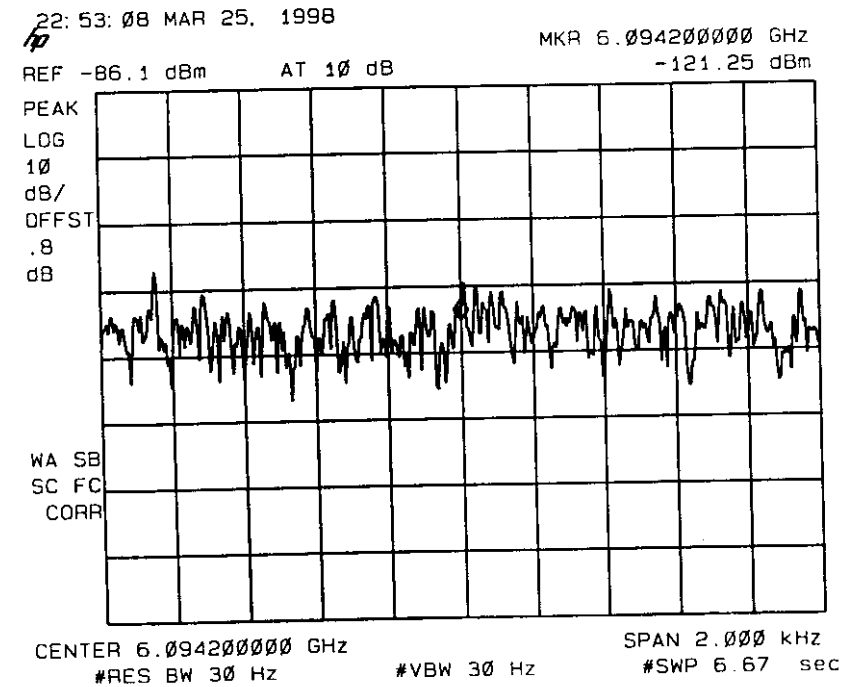

22: 51: 08 MAR 25, 1998
MKR 1.741200000 GHz
REF -86.1 dBm
AT 10 dB
-122.72 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.741200000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

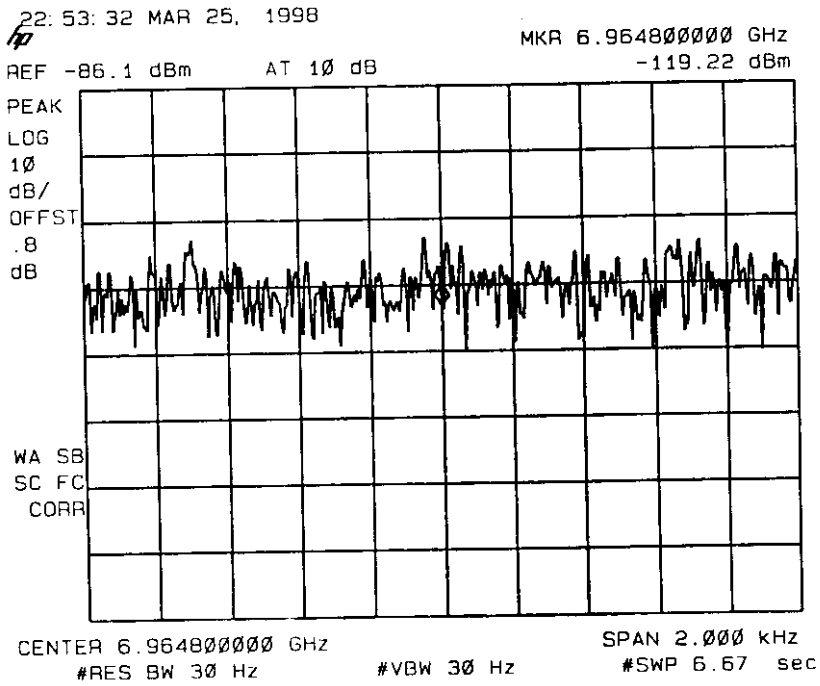

22: 51: 32 MAR 25, 1998
MKR 2.611800000 GHz
REF -86.1 dBm
AT 10 dB
-123.83 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.611800000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

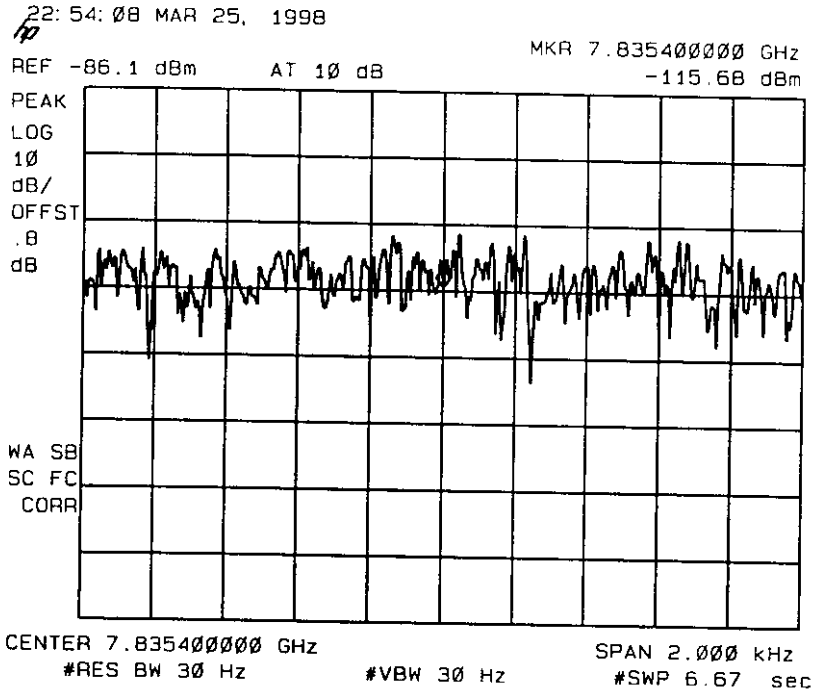

22: 51: 56 MAR 25, 1998
MKR 3.482400000 GHz
REF -86.1 dBm
AT 10 dB
-128.28 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.482400000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

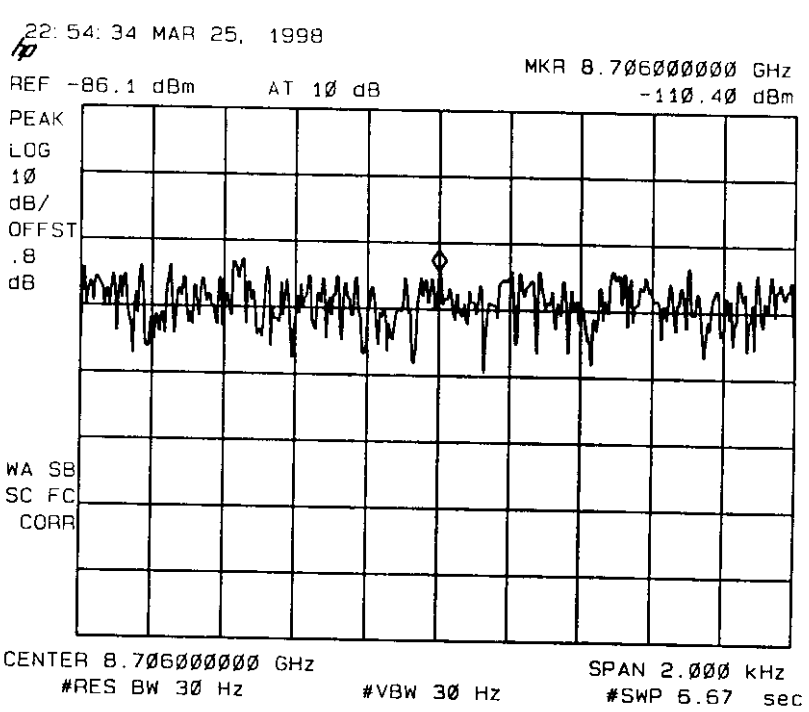

22: 52: 19 MAR 25, 1998
MKR 4.353000000 GHz
-119.89 dBm
REF -86.1 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.353000000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


22: 52: 41 MAR 25, 1998
MKR 5.223600000 GHz
-116.87 dBm
REF -86.1 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.223600000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


22: 53: 08 MAR 25, 1998
MKR 6.094200000 GHz
-121.25 dBm
REF -86.1 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.094200000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


22: 53: 32 MAR 25, 1998
MKR 6.964800000 GHz
-119.22 dBm
REF -86.1 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.964800000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


22: 54: 08 MAR 25, 1998
MKR 7.835400000 GHz
REF -86.1 dBm
AT 10 dB
-115.68 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.835400000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


andrie
3-25-98
21:50:31
22: 54: 34 MAR 25, 1998
MKR 8.706000000 GHz
REF -86.1 dBm
AT 10 dB
-110.40 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.706000000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

MOTOROLA

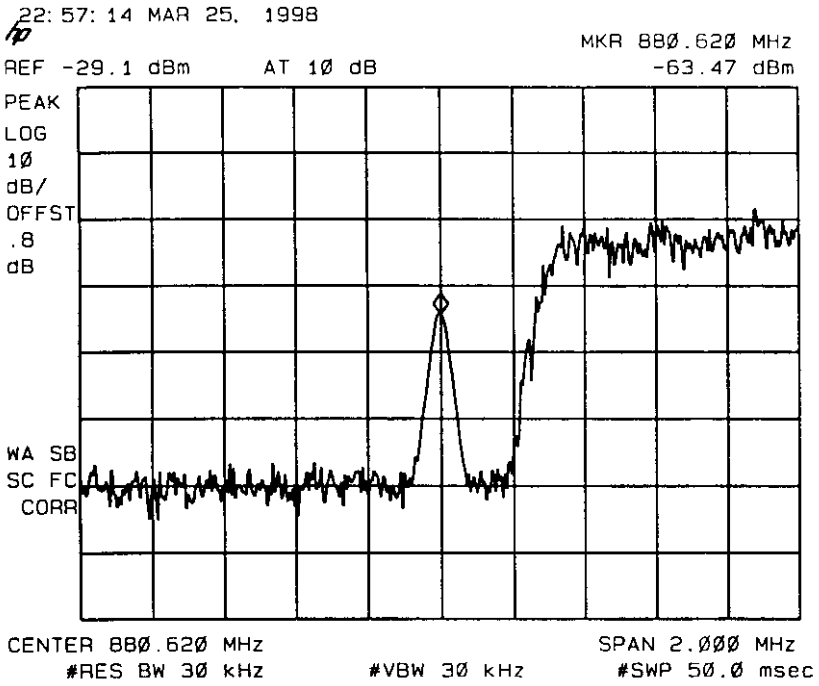
Cellular Infrastructure Group
Personal Communications Division

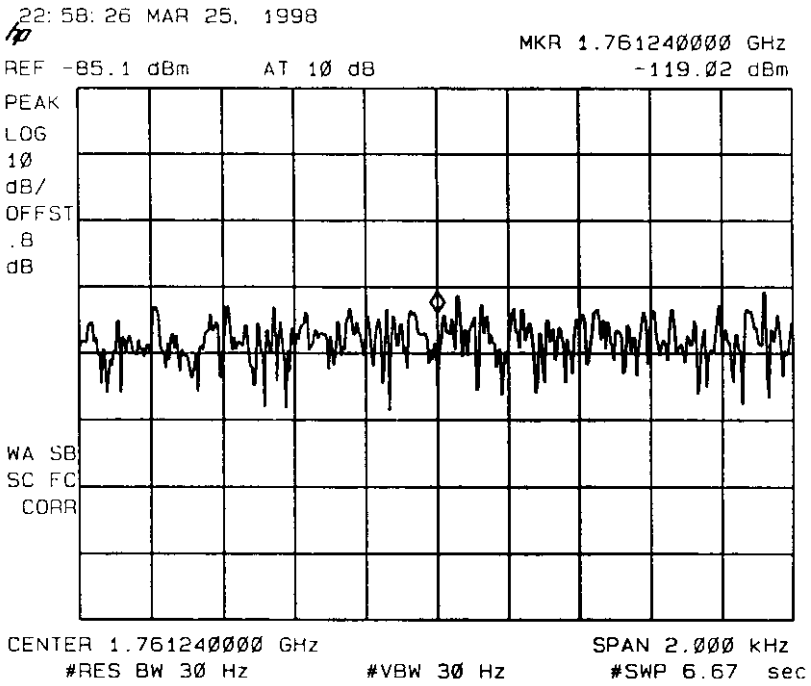
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

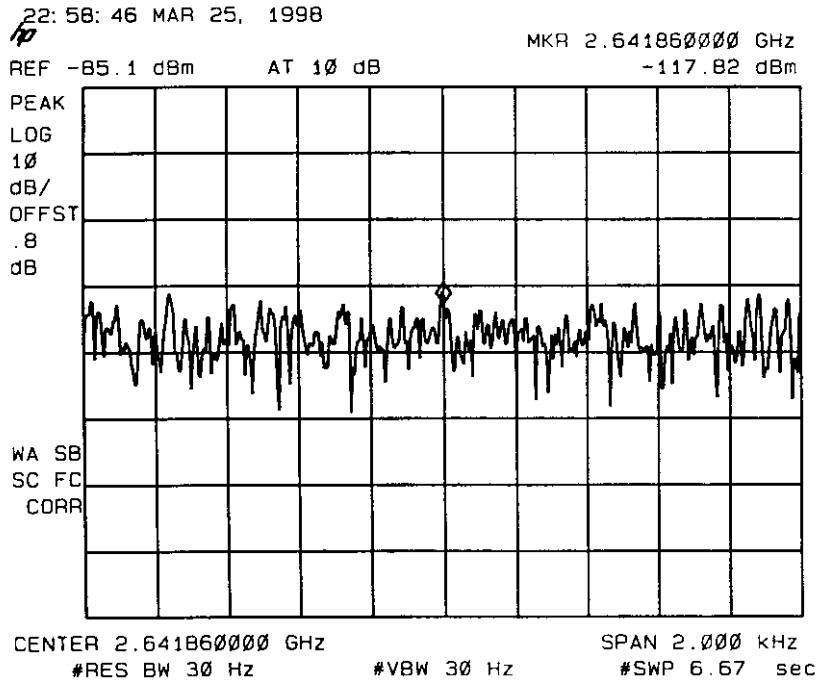
Analog Transmitter Channel 354

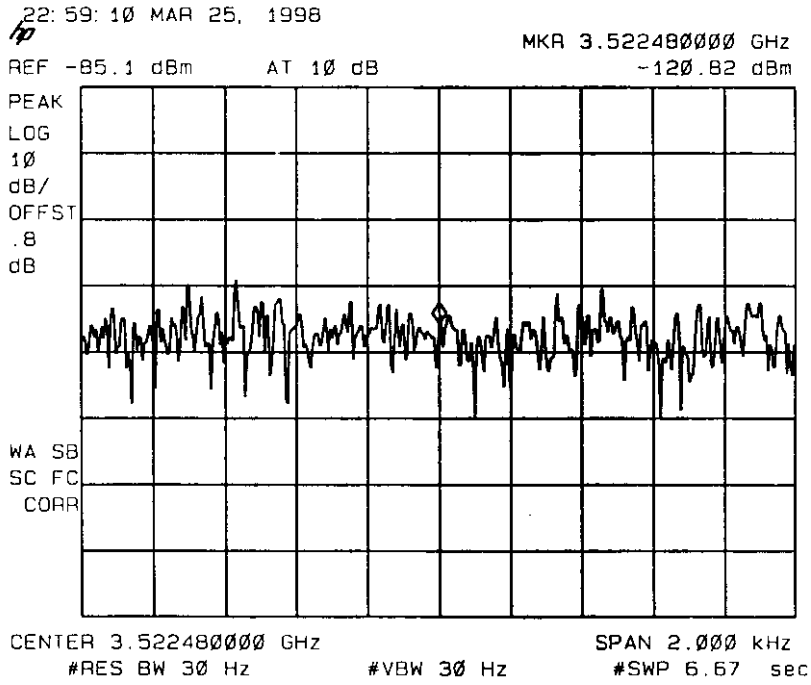
Minimum Power

Wide Band

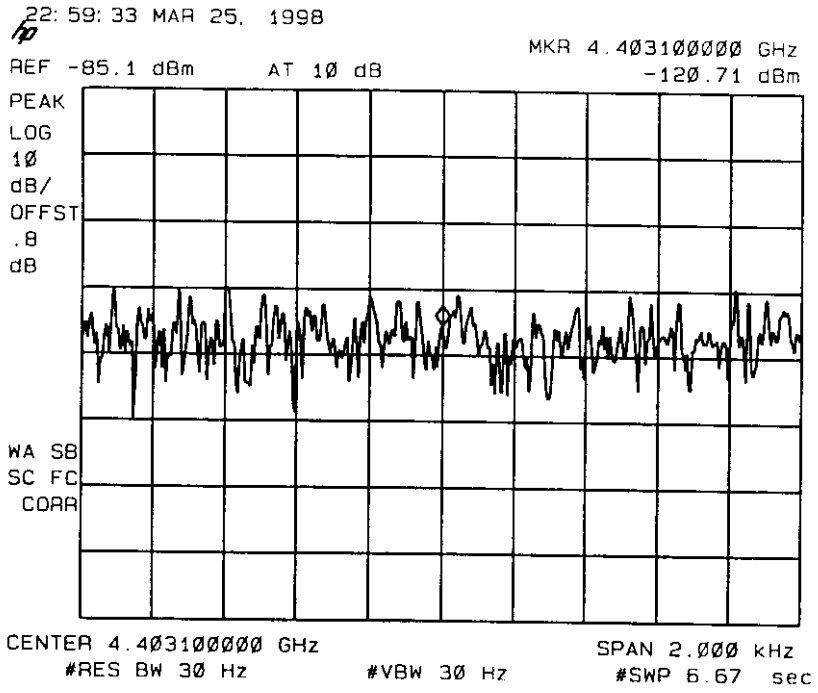

22: 57: 14 MAR 25, 1998
MKR 880.620 MHz
REF -29.1 dBm
AT 10 dB
-63.47 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 880.620 MHz
SPAN 2.000 MHz
#RES BW 30 kHz
#VBW 30 kHz
#SWP 50.0 msec

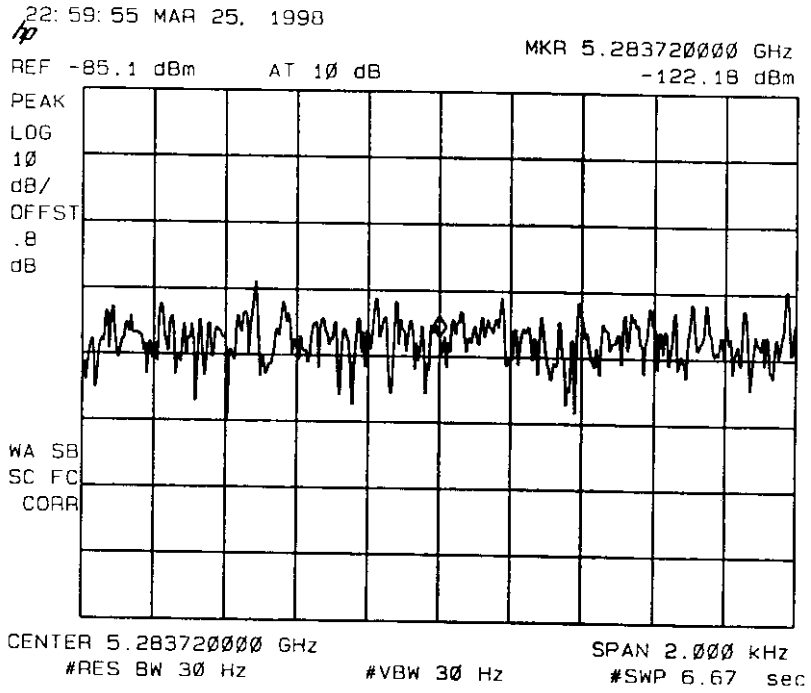

22: 58: 26 MAR 25, 1998
MKR 1.761240000 GHz
REF -85.1 dBm
AT 10 dB
-119.02 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.761240000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

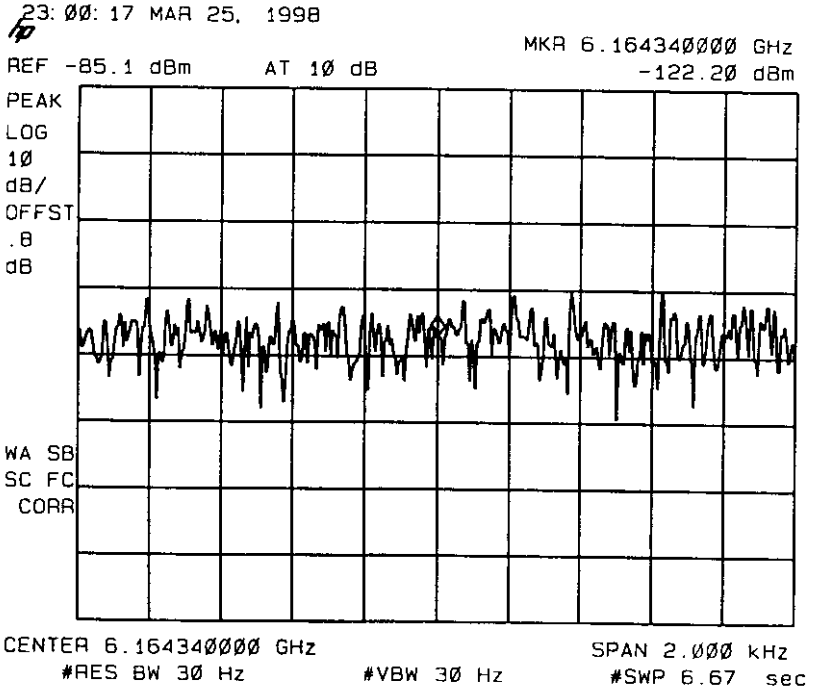

22: 58: 46 MAR 25, 1998
MKR 2.641860000 GHz
REF -85.1 dBm
AT 10 dB
-117.82 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.641860000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

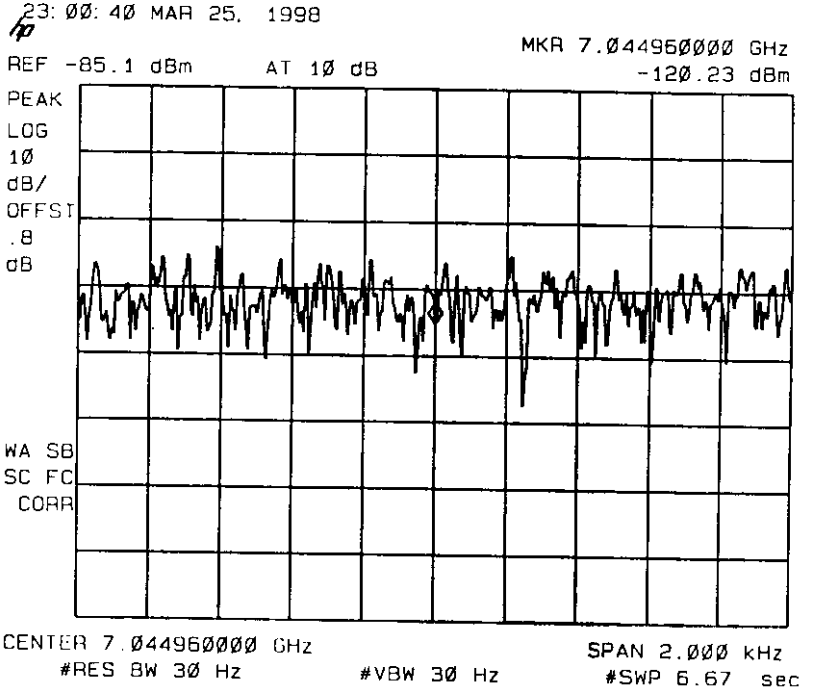

22: 59: 10 MAR 25, 1998
MKR 3.522480000 GHz
REF -85.1 dBm
AT 10 dB
-120.82 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.522480000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

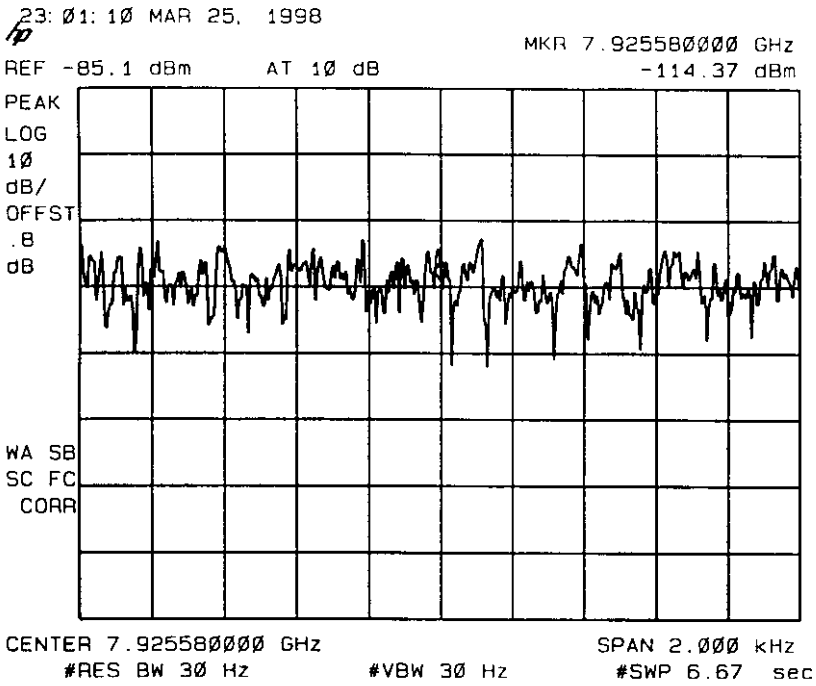
vandrie
3-25-98
21:56:39

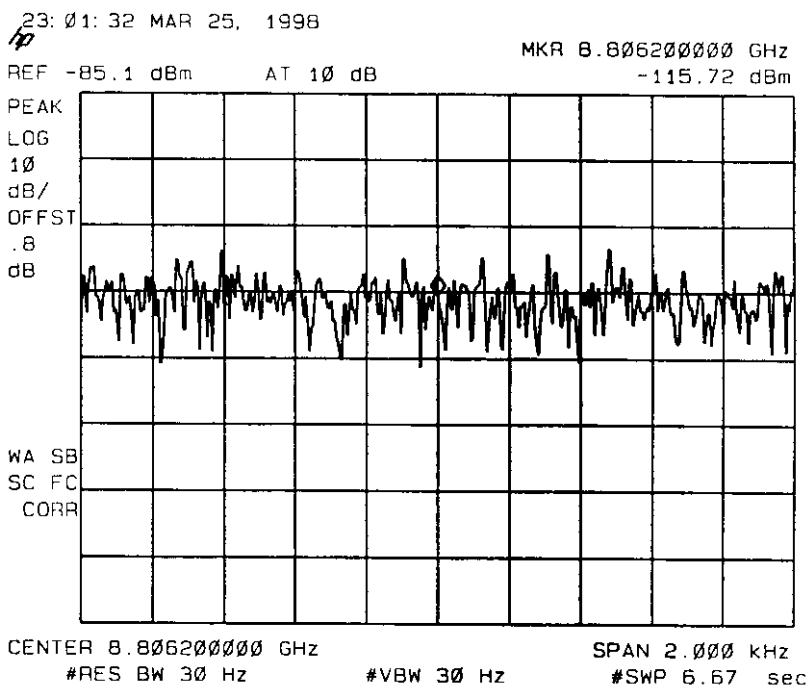









23: Ø1: 1Ø MAR 25, 1998
MKR 7.925580000 GHz
REF -85.1 dBm
AT 1Ø dB
-114.37 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.925580000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


23: Ø1: 32 MAR 25, 1998
MKR 8.806200000 GHz
REF -85.1 dBm
AT 1Ø dB
-115.72 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.806200000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

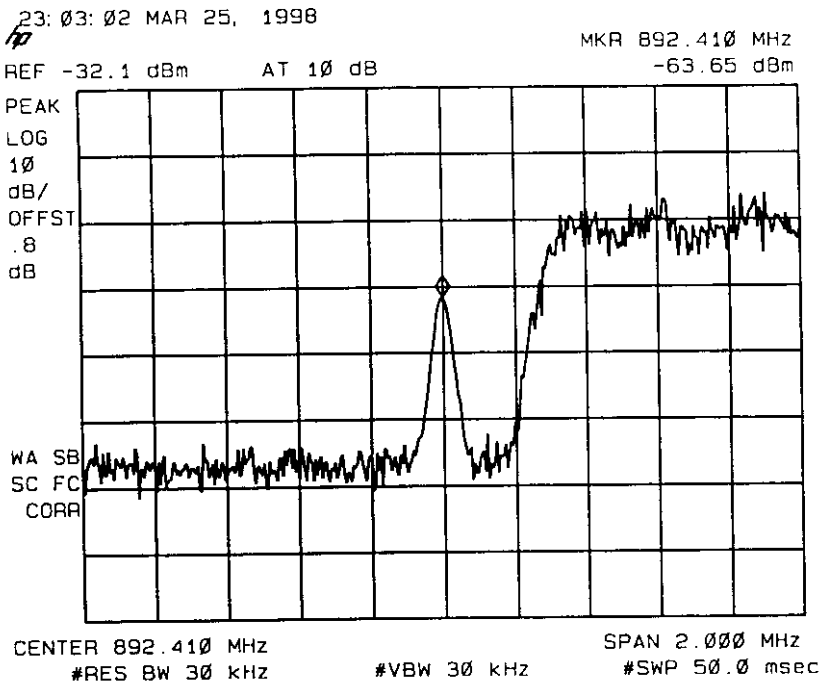
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

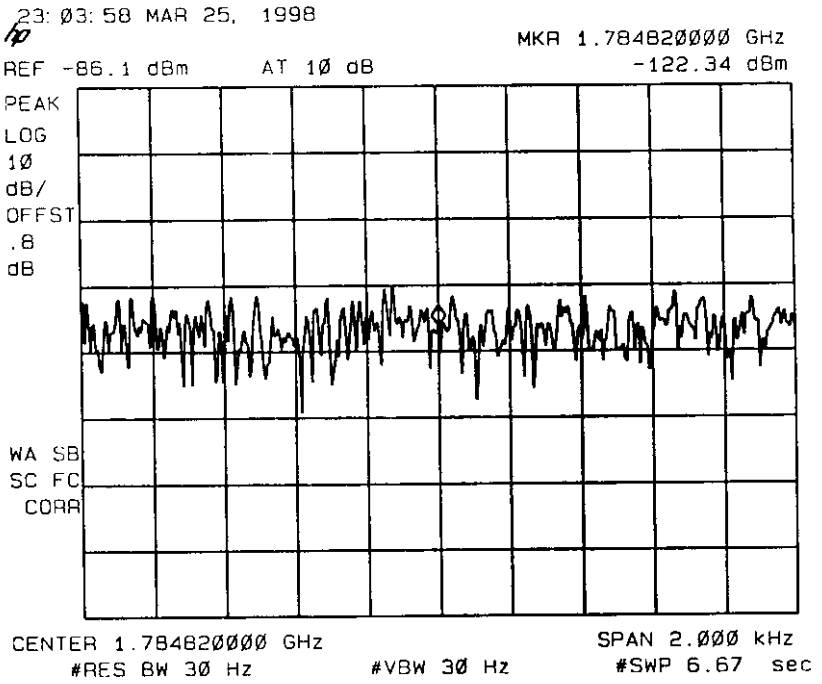
Analog Transmitter Channel 747

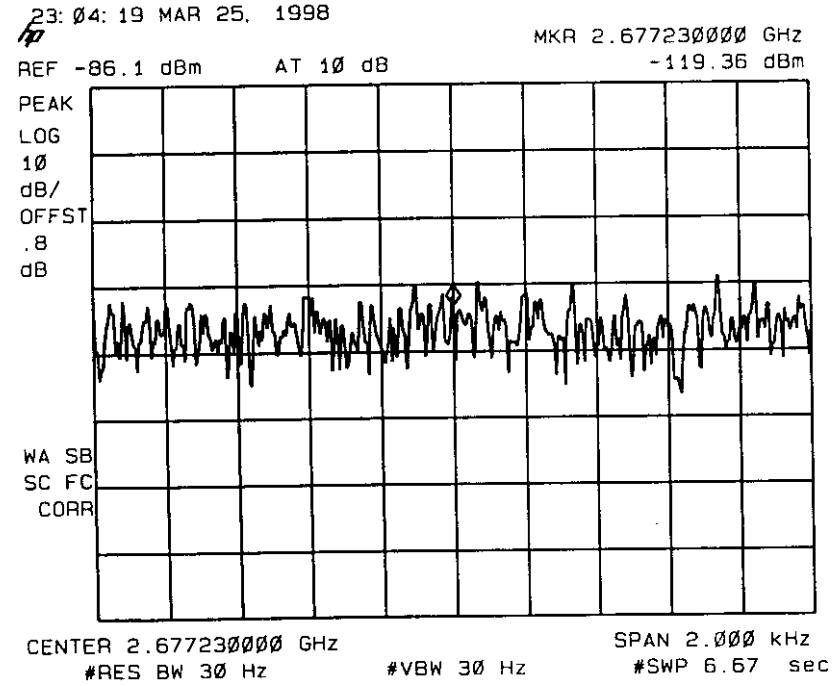
Minimum Power

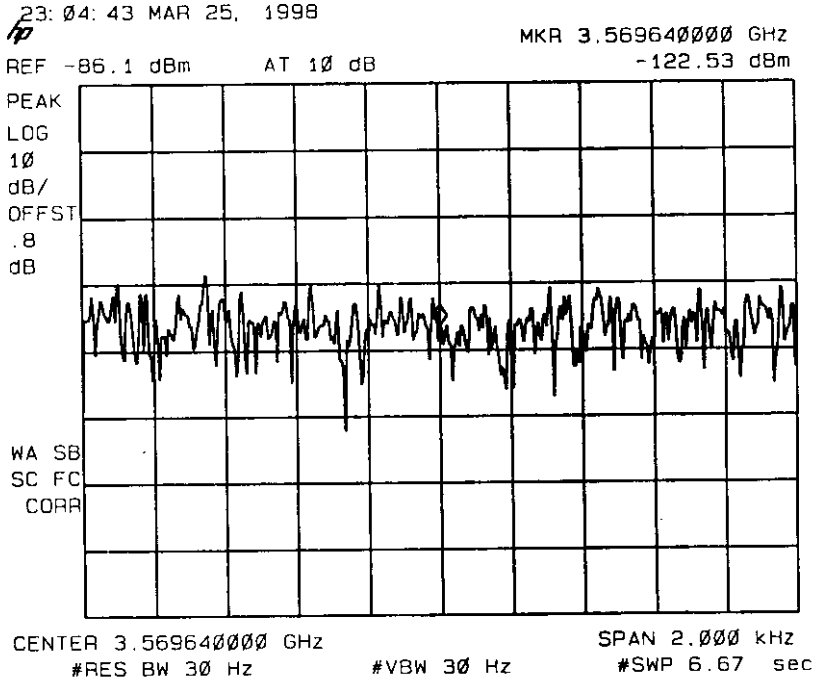
Wide Band

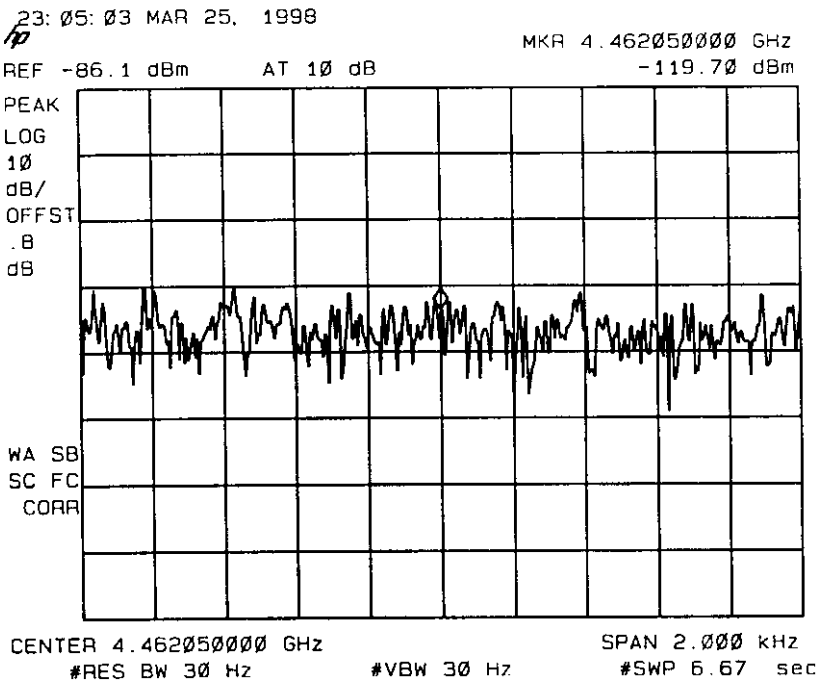
mvandrie
03-25-98
22:00:41

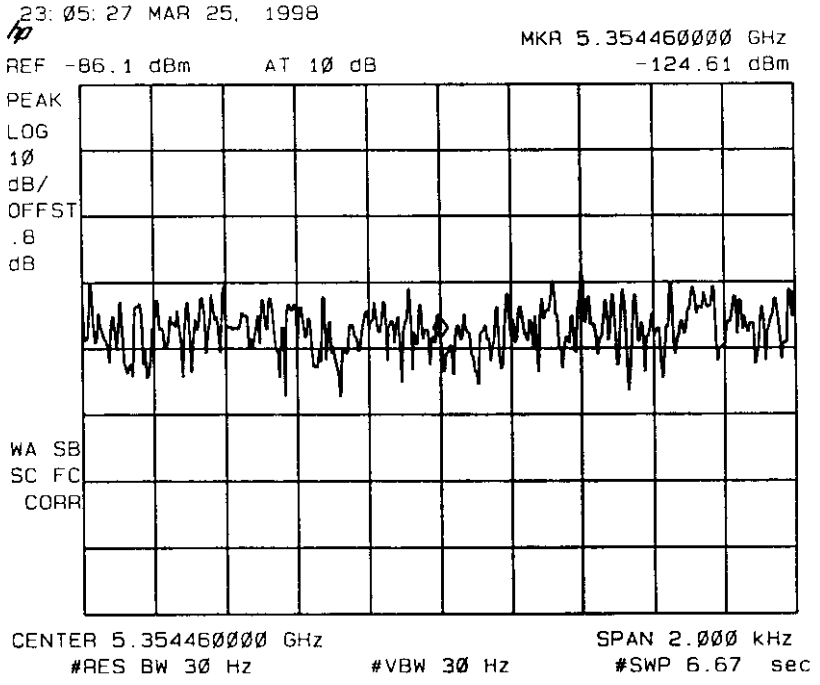


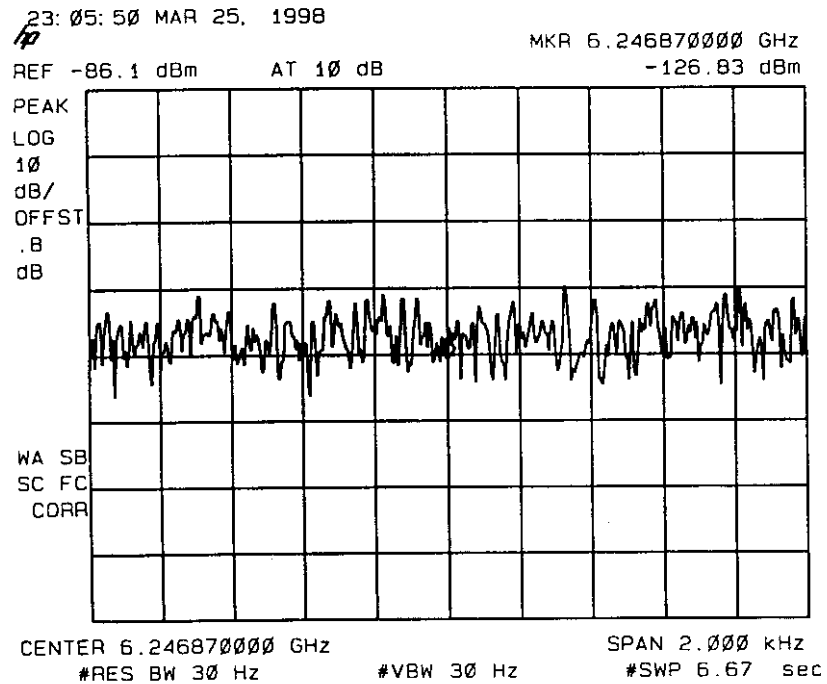


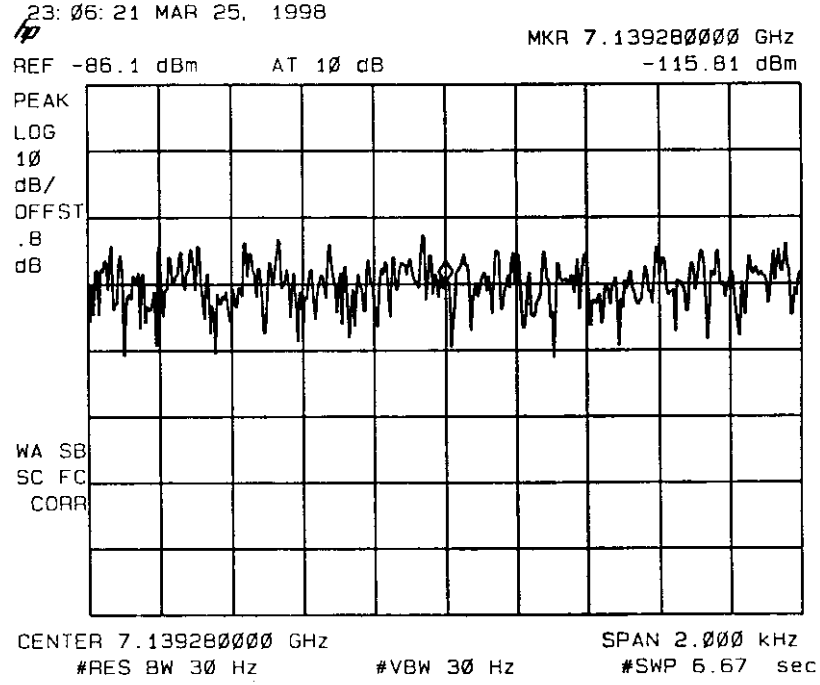


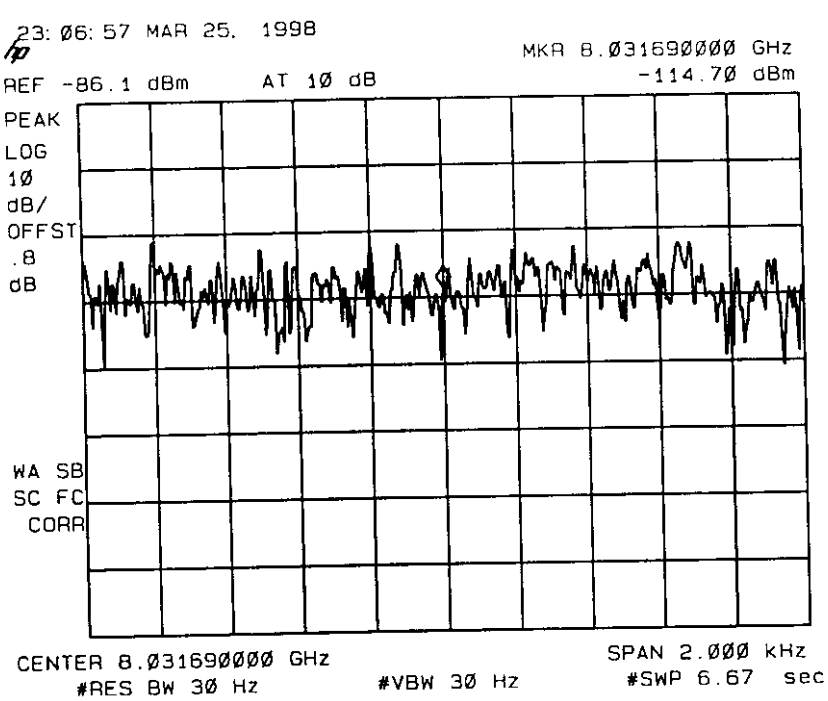


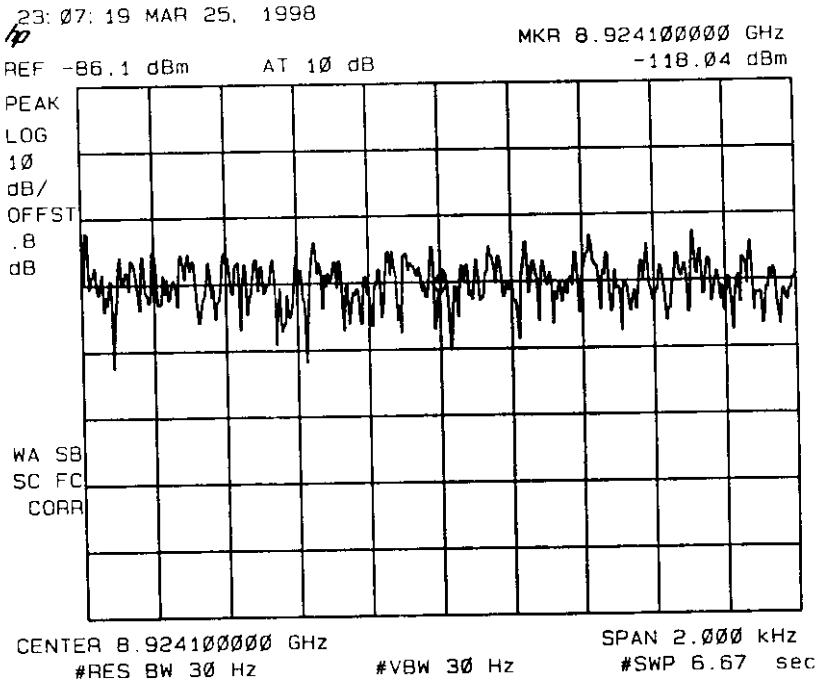

23: 05: 03 MAR 25, 1998
MKR 4.462050000 GHz
REF -86.1 dBm
AT 10 dB
-119.70 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.462050000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


23: 05: 27 MAR 25, 1998
MKR 5.354460000 GHz
REF -86.1 dBm
AT 10 dB
-124.61 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.354460000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


23: 05: 50 MAR 25, 1998
MKR 6.246870000 GHz
REF -86.1 dBm
AT 10 dB
-126.83 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.246870000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


23: 06: 21 MAR 25, 1998
MKR 7.139280000 GHz
REF -86.1 dBm
AT 10 dB
-115.81 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.139280000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


23: 06: 57 MAR 25, 1998
MKR 8.031690000 GHz
-114.70 dBm
REF -86.1 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.031690000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


23: 07: 19 MAR 25, 1998
MKR 8.924100000 GHz
-118.04 dBm
REF -86.1 dBm
AT 10 dB
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.924100000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec

MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

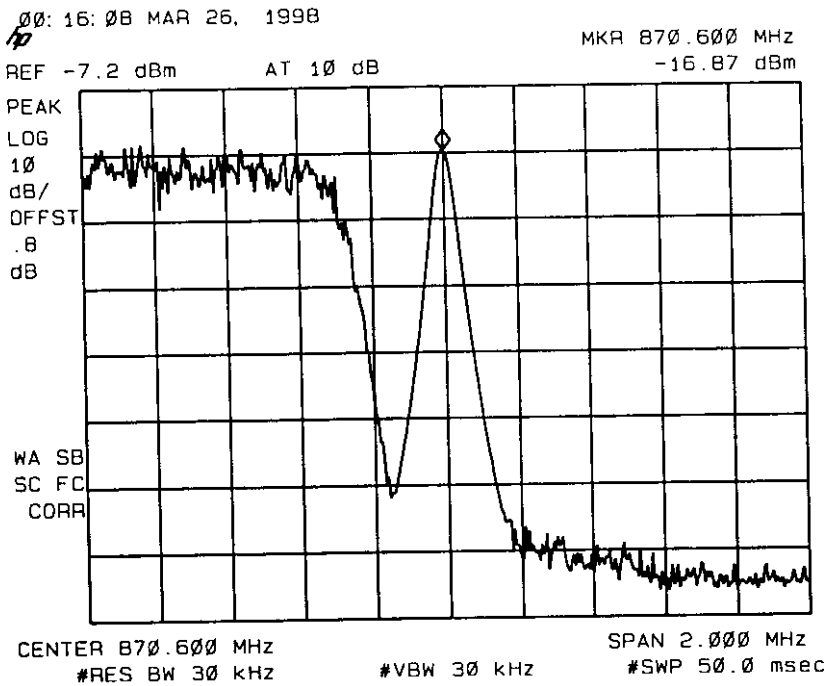
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

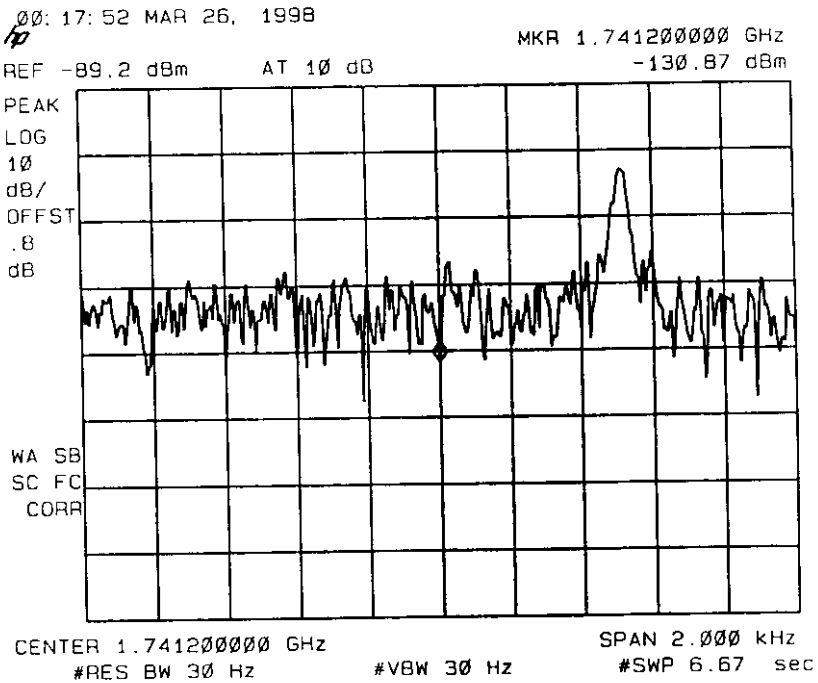
Analog Transmitter Channel 20

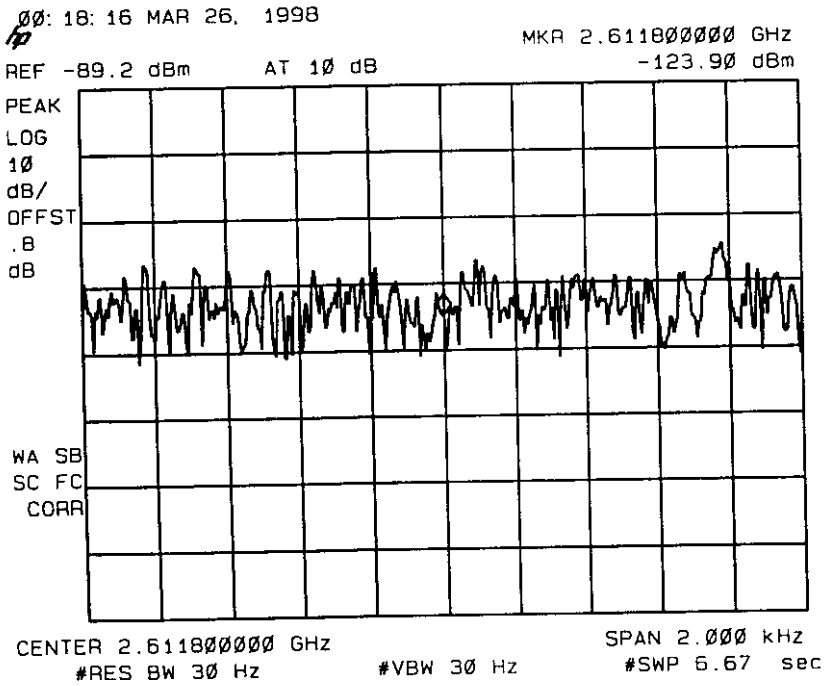
Maximum Power

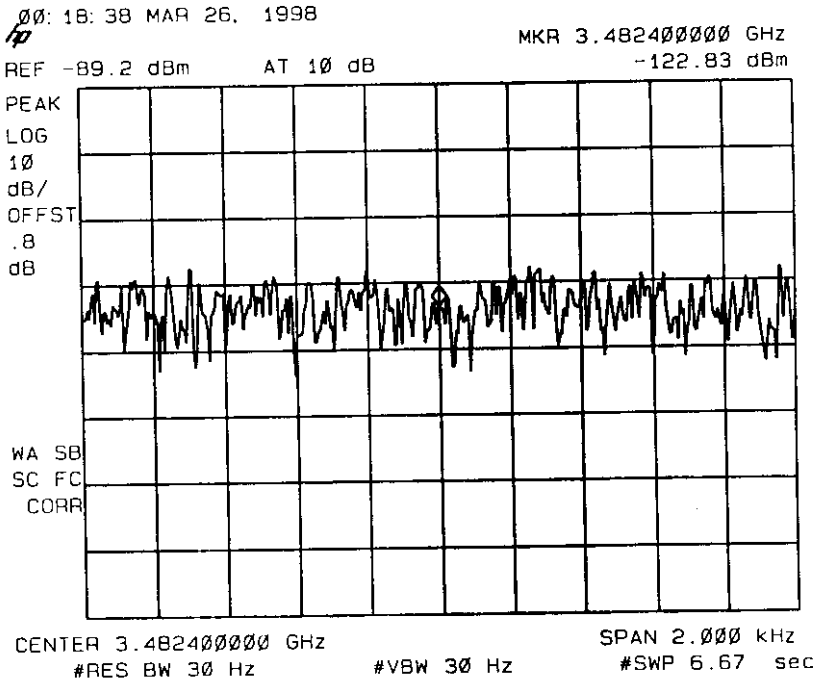
Narrow Band

mvandrie
03-25-98
23:14:35

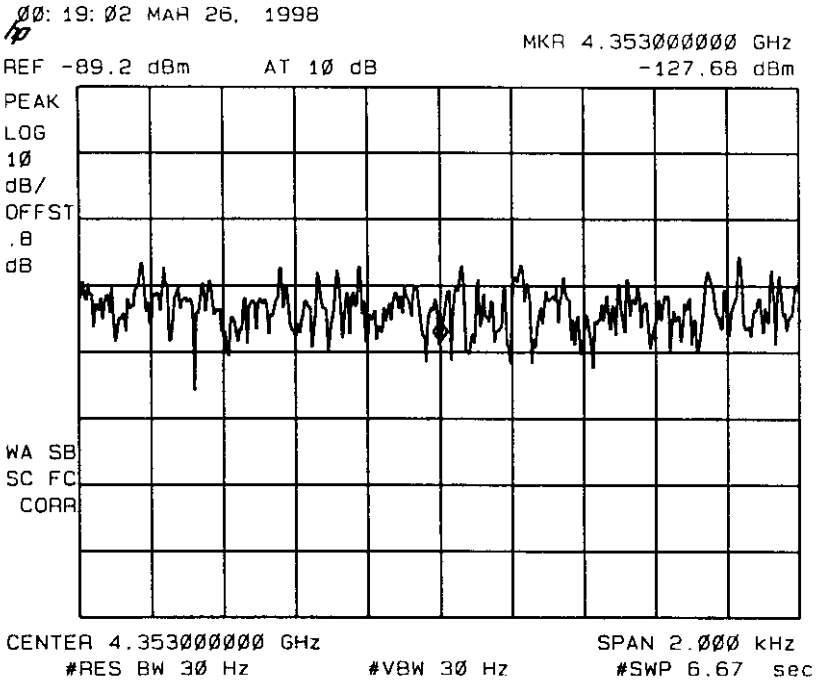


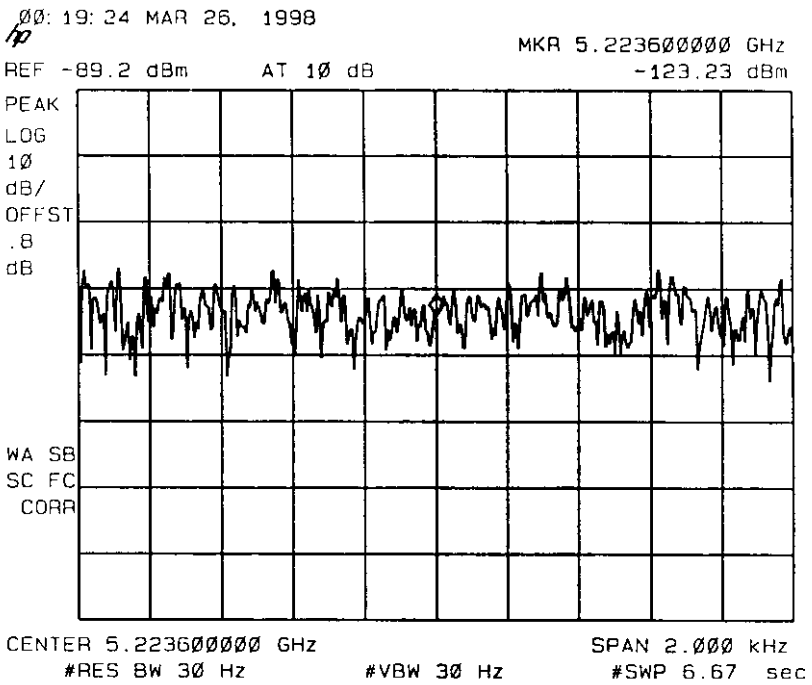


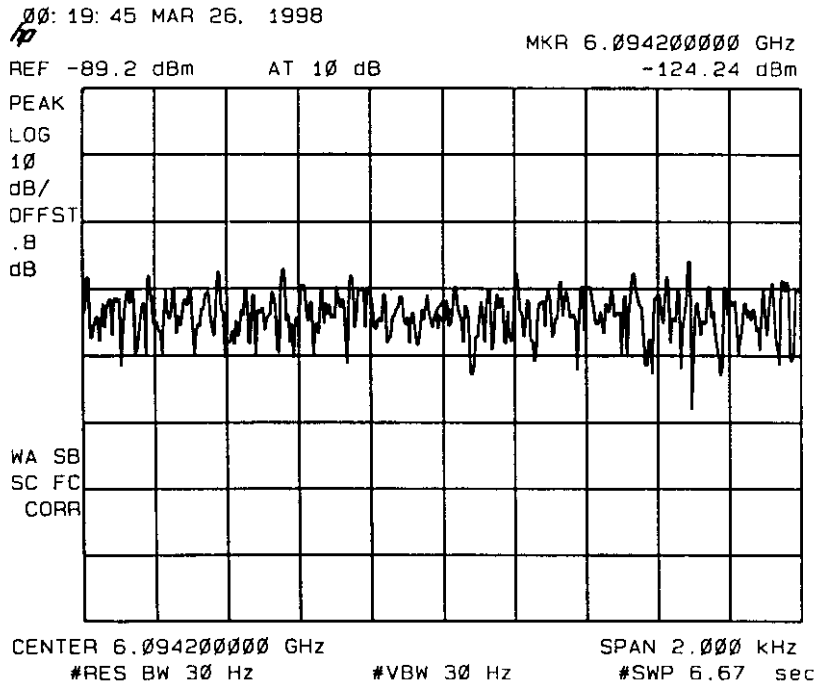


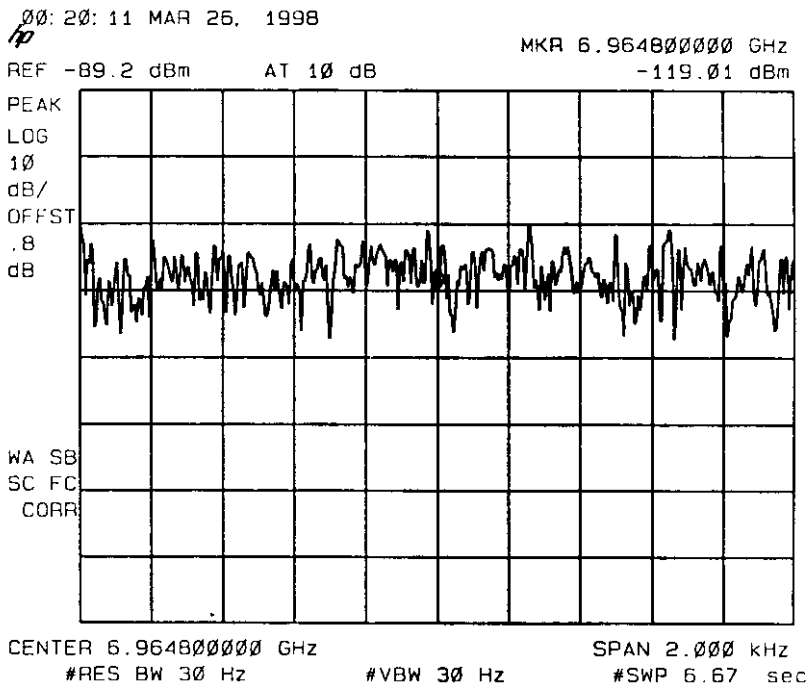


mvandrie
03-25-98
23:16:08

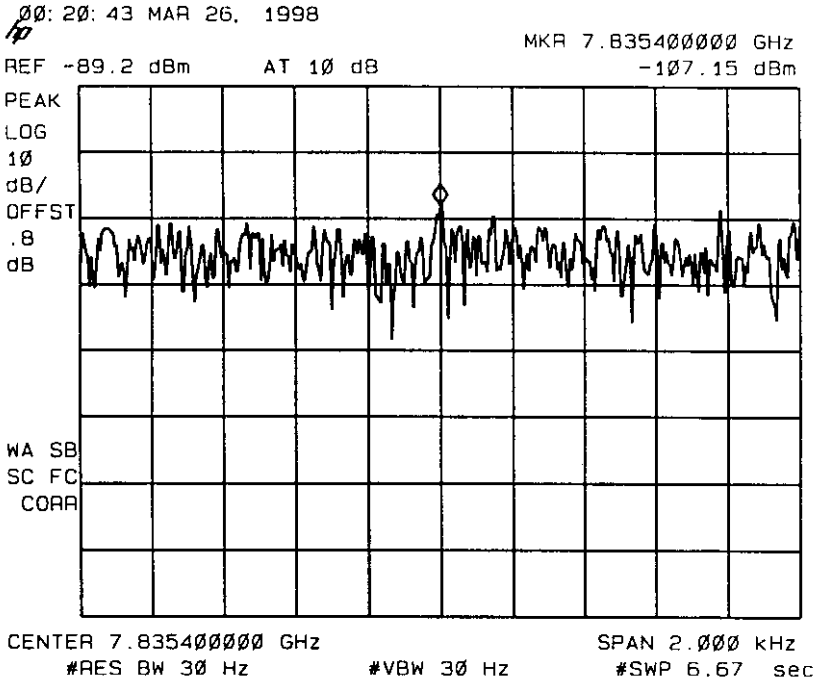


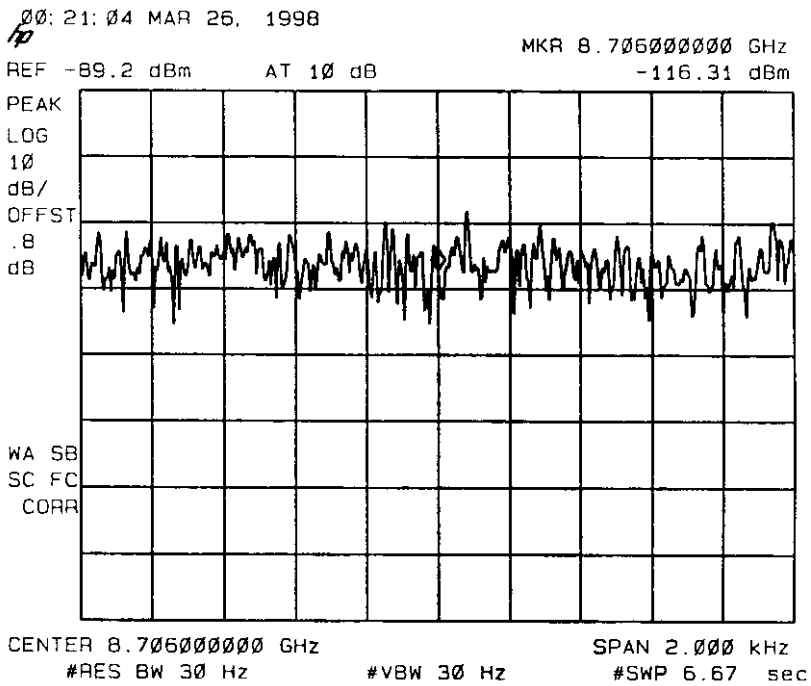






mvandrie
03-25-98
23:17:02





MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

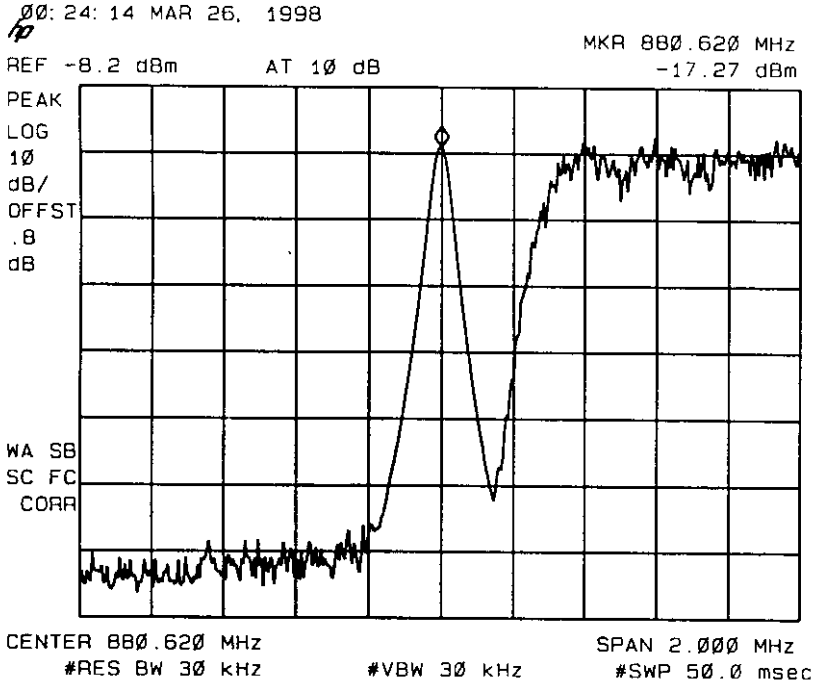
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

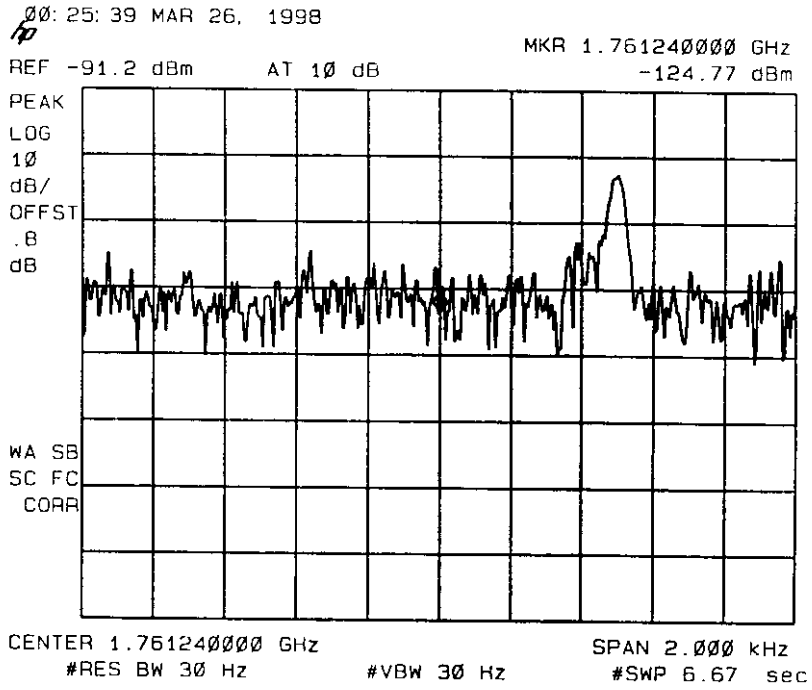
Analog Transmitter Channel 354

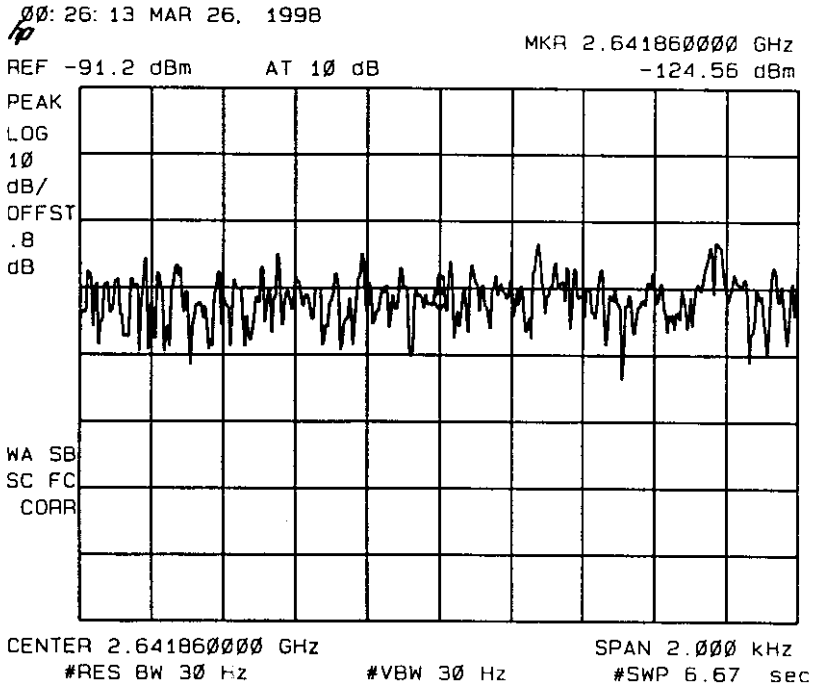
Maximum Power

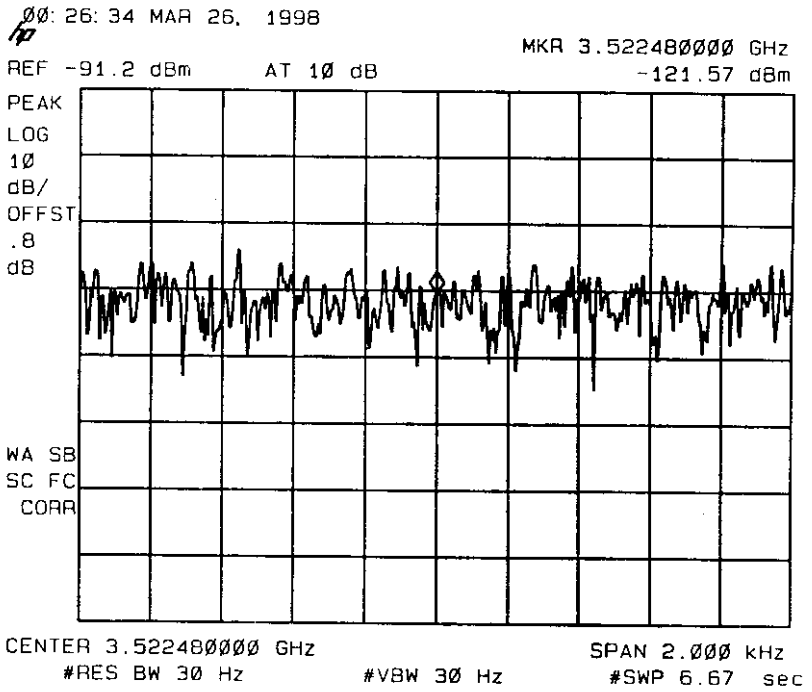
Narrow Band

mvandrie
03-25-98
23:22:31

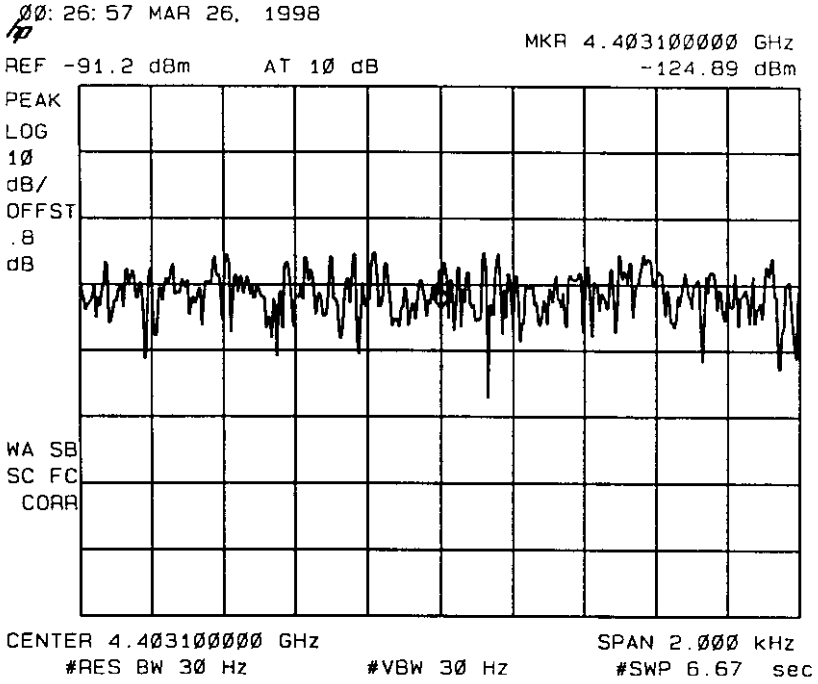


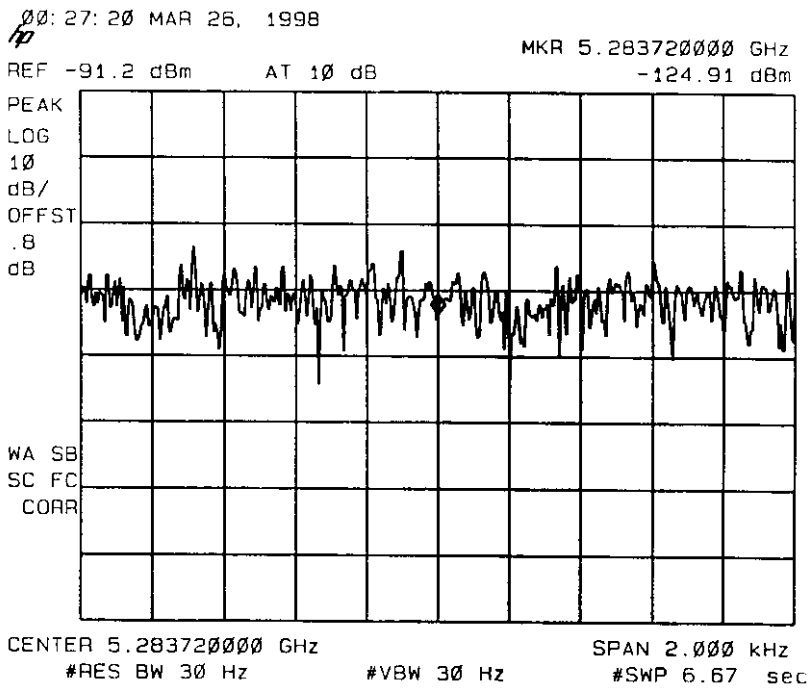


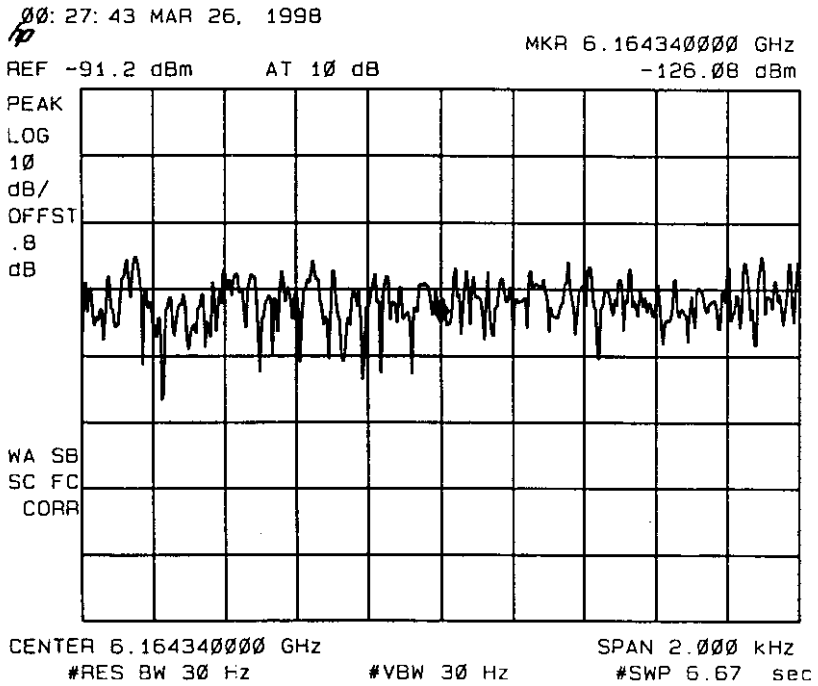


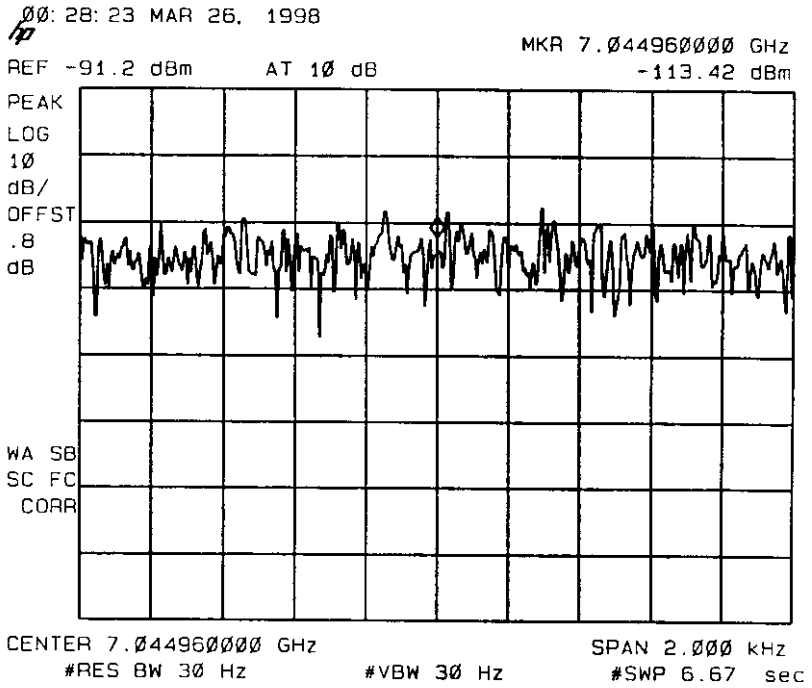


mvandrie
03-25-98
23:24:20

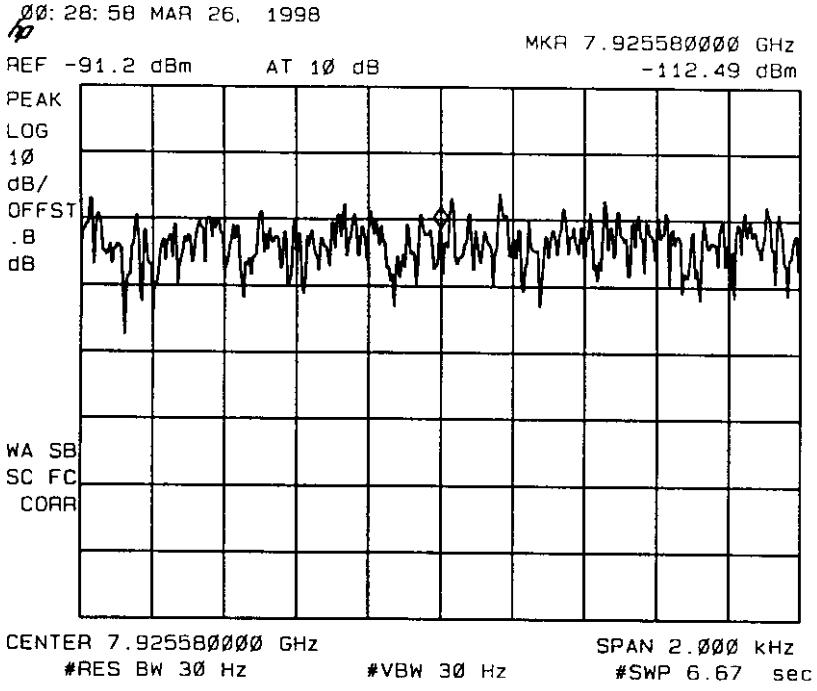


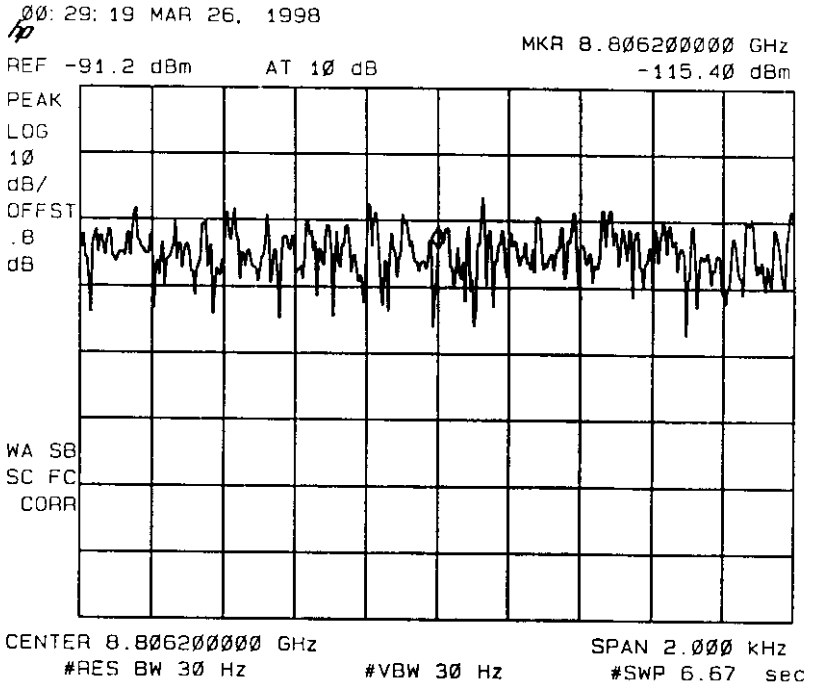






mvandrie
03-25-98
23:25:17





MOTOROLA

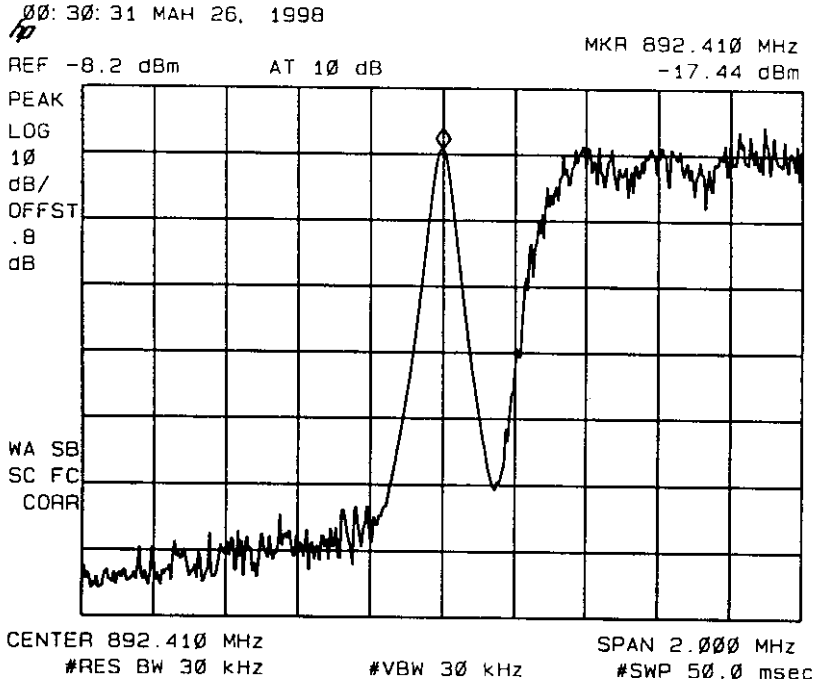
Cellular Infrastructure Group
Personal Communications Division

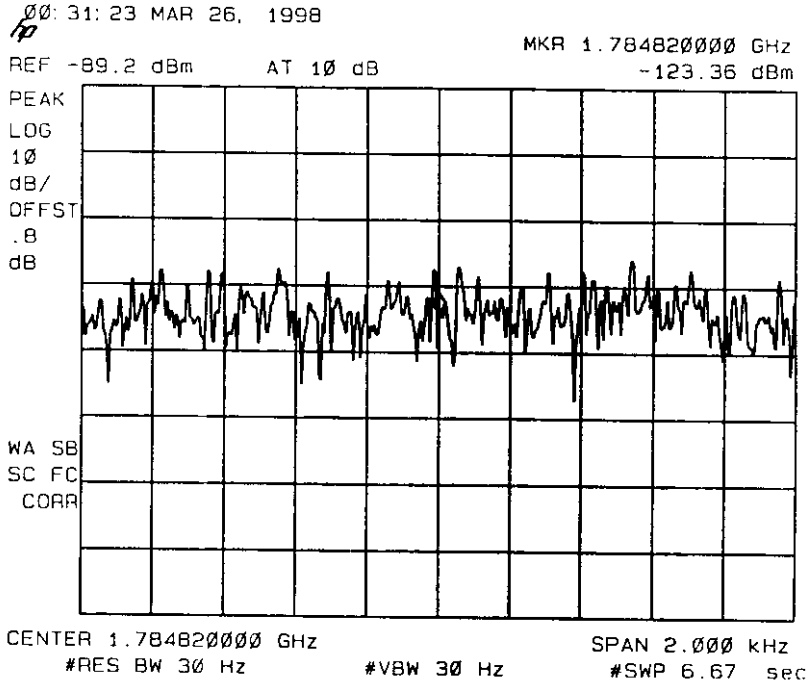
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

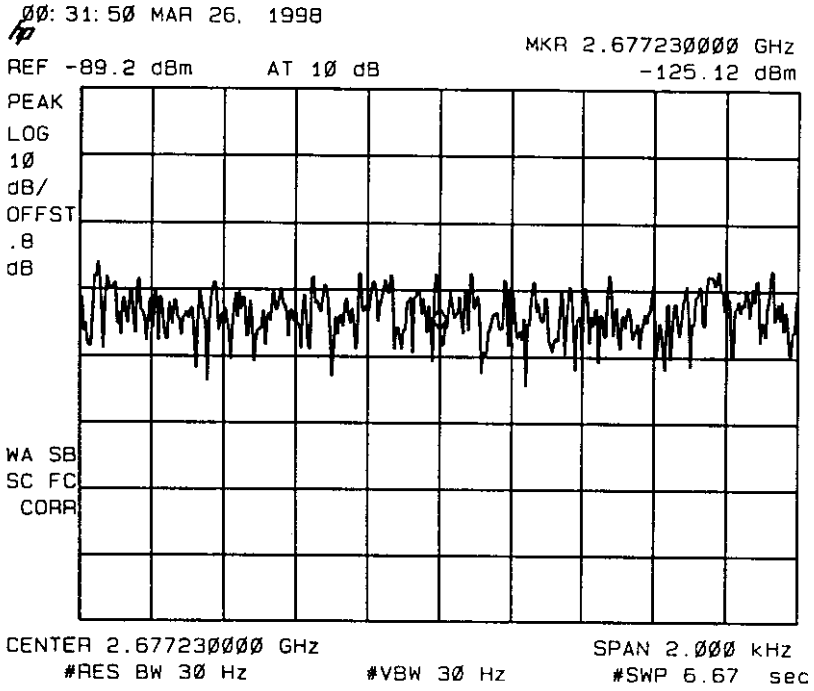
Analog Transmitter Channel 747

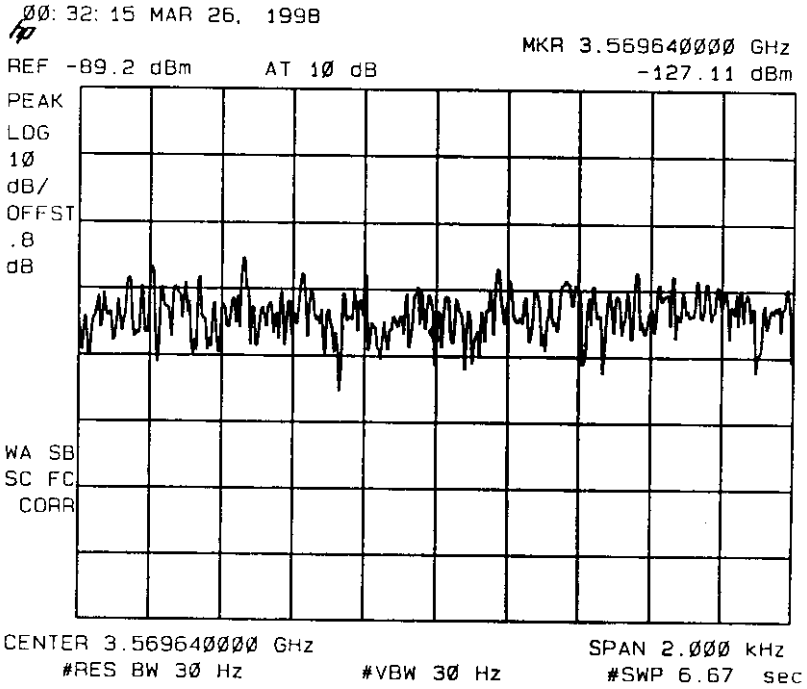
Maximum Power

Narrow Band


ØØ: 3Ø: 31 MAH 26, 1998
MKR 892.41Ø MHz
REF -8.2 dBm
AT 1Ø dB
-17.44 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 892.41Ø MHz
SPAN 2.ØØØ MHz
#RES BW 3Ø kHz
#VBW 3Ø kHz
#SWP 5Ø.Ø msec

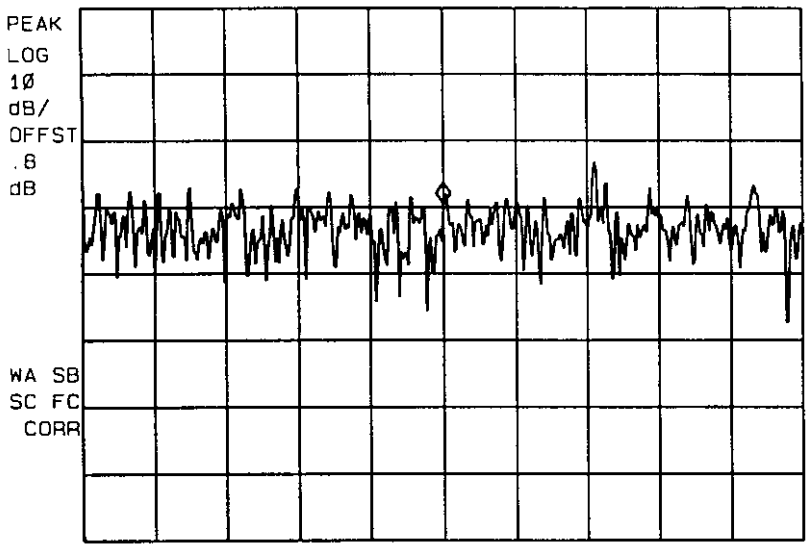

ØØ: 31: 23 MAR 26, 1998
MKR 1.784820ØØØ GHz
REF -89.2 dBm
AT 1Ø dB
-123.36 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 1.784820ØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 31: 5Ø MAR 26, 1998
MKR 2.677230ØØØ GHz
REF -89.2 dBm
AT 1Ø dB
-125.12 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 2.677230ØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 32: 15 MAR 26, 1998
MKR 3.569640ØØØ GHz
REF -89.2 dBm
AT 1Ø dB
-127.11 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 3.569640ØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec

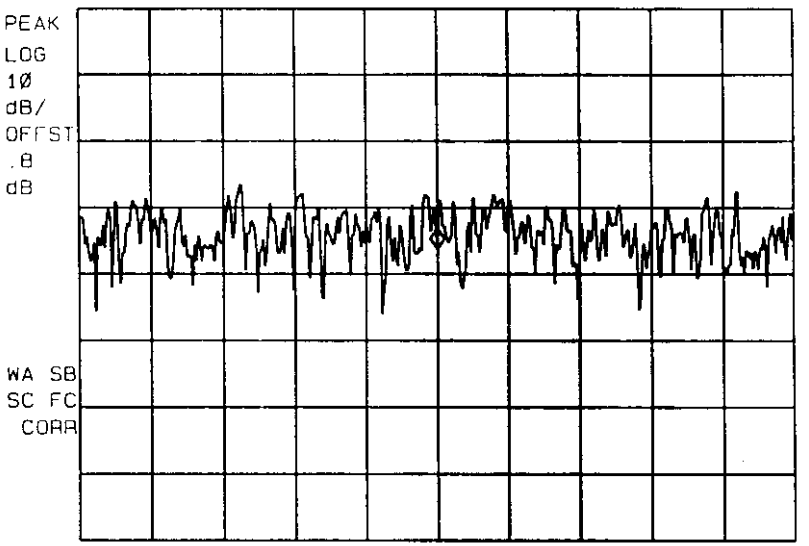
mvandrie
03-25-98
23:29:35

ØØ: 32: 3Ø MAR 26, 1998
MKR 4.462Ø5ØØØØ GHz
REF -89.2 dBm AT 1Ø dB -118.68 dBm



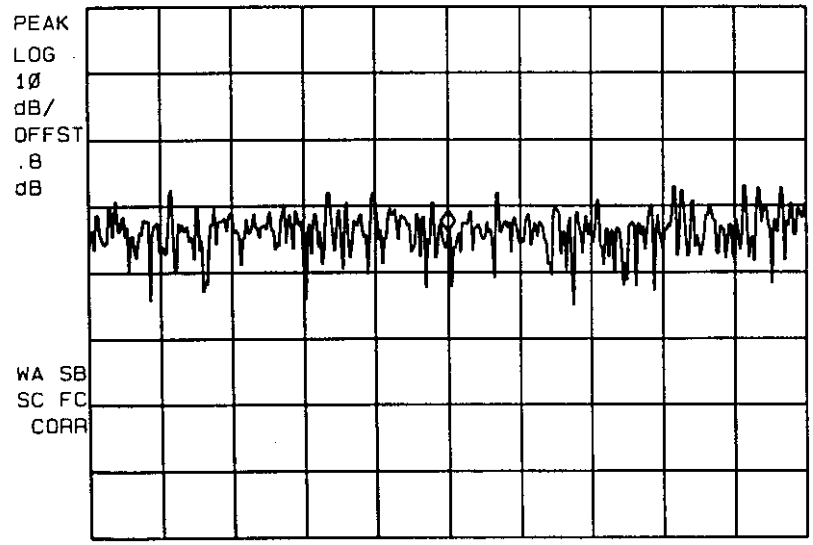
CENTER 4.462Ø5ØØØØ GHz SPAN 2.ØØØ kHz
#RES BW 3Ø Hz #VBW 3Ø Hz #SWP 6.67 sec

ØØ: 32: 5Ø MAR 26, 1998
MKR 5.354460000 GHz
REF -89.2 dBm AT 1Ø dB -125.49 dBm



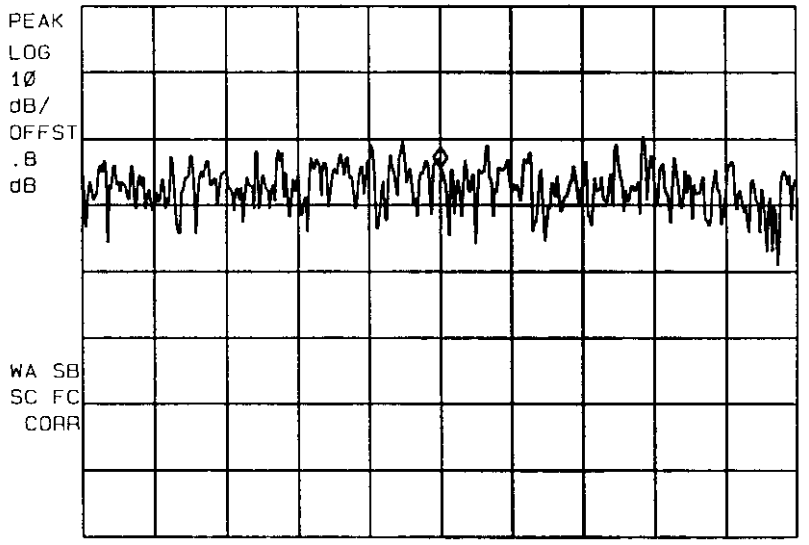
CENTER 5.354460000 GHz SPAN 2.ØØØ kHz
#RES BW 3Ø Hz #VBW 3Ø Hz #SWP 6.67 sec

ØØ: 33: 14 MAR 26, 1998
MKR 6.246870000 GHz
REF -89.2 dBm AT 1Ø dB -123.09 dBm

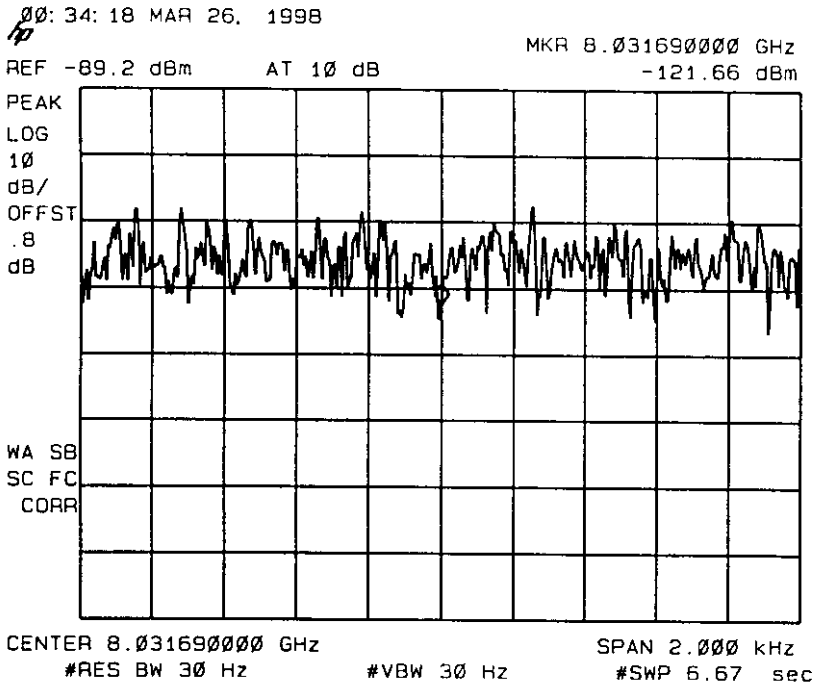


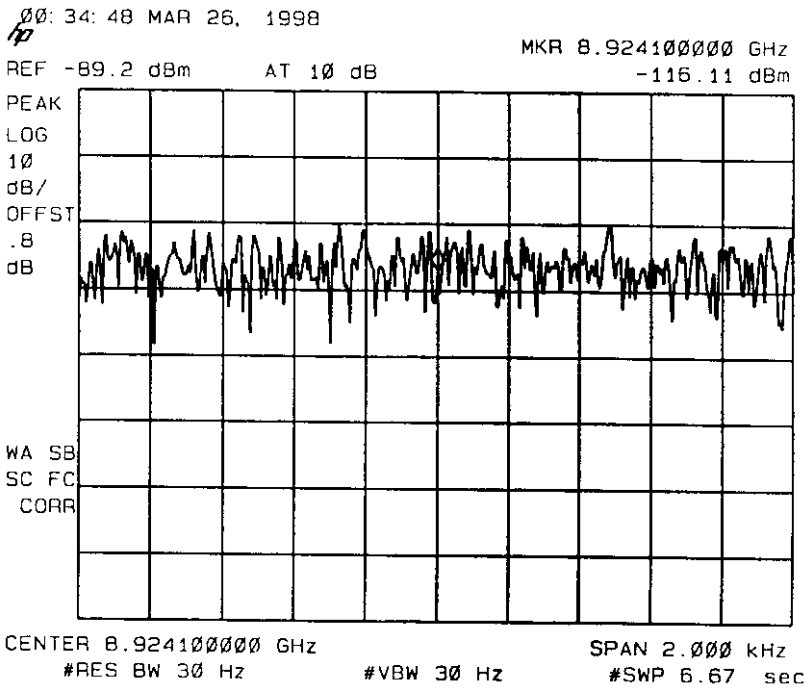
CENTER 6.246870000 GHz SPAN 2.ØØØ kHz
#RES BW 3Ø Hz #VBW 3Ø Hz #SWP 6.67 sec

ØØ: 33: 37 MAR 26, 1998
MKR 7.139280000 GHz
REF -89.2 dBm AT 1Ø dB -113.56 dBm



CENTER 7.139280000 GHz SPAN 2.ØØØ kHz
#RES BW 3Ø Hz #VBW 3Ø Hz #SWP 6.67 sec


ØØ: 34: 18 MAR 26, 1998
MKR 8.Ø3169ØØØØ GHz
REF -89.2 dBm
AT 1Ø dB
-121.66 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.Ø3169ØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


ØØ: 34: 48 MAR 26, 1998
MKR 8.924100000 GHz
REF -89.2 dBm
AT 1Ø dB
-116.11 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.924100000 GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec

MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

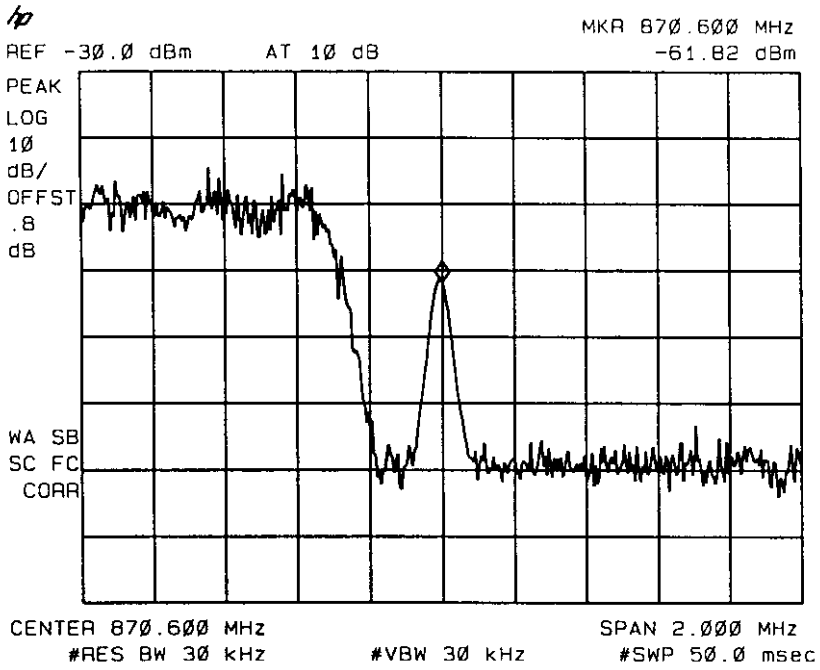
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

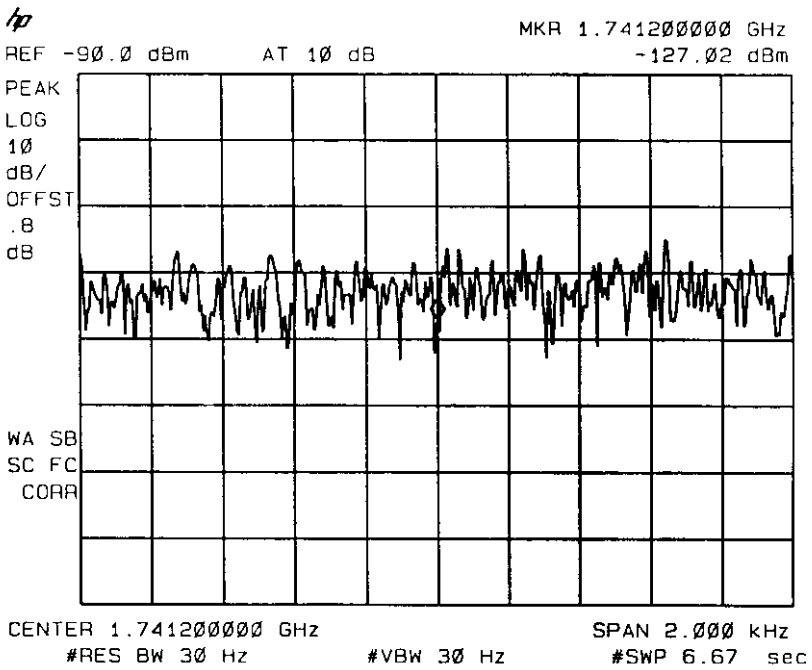
Analog Transmitter Channel 20

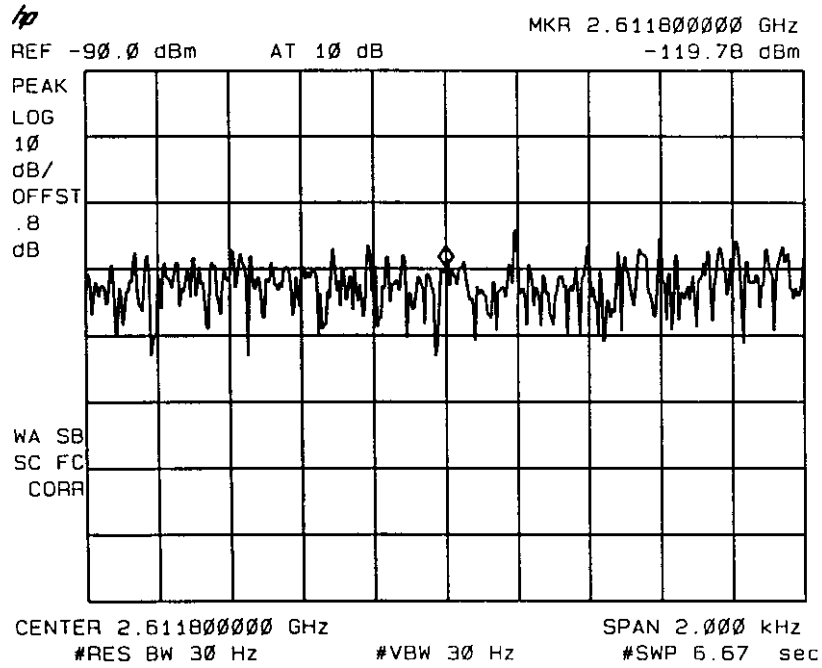
Minimum Power

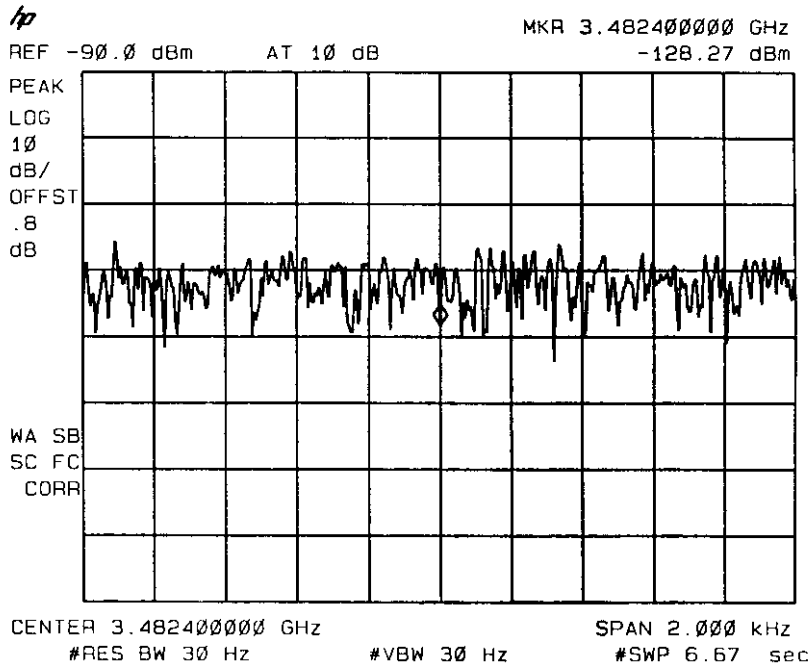
Narrow Band

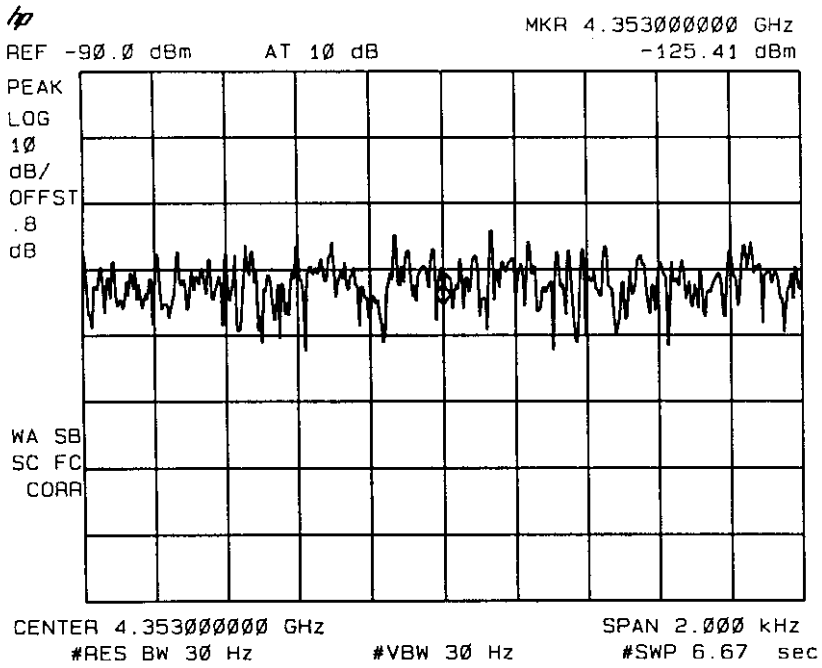
tsate
4-16-98
18:13:07

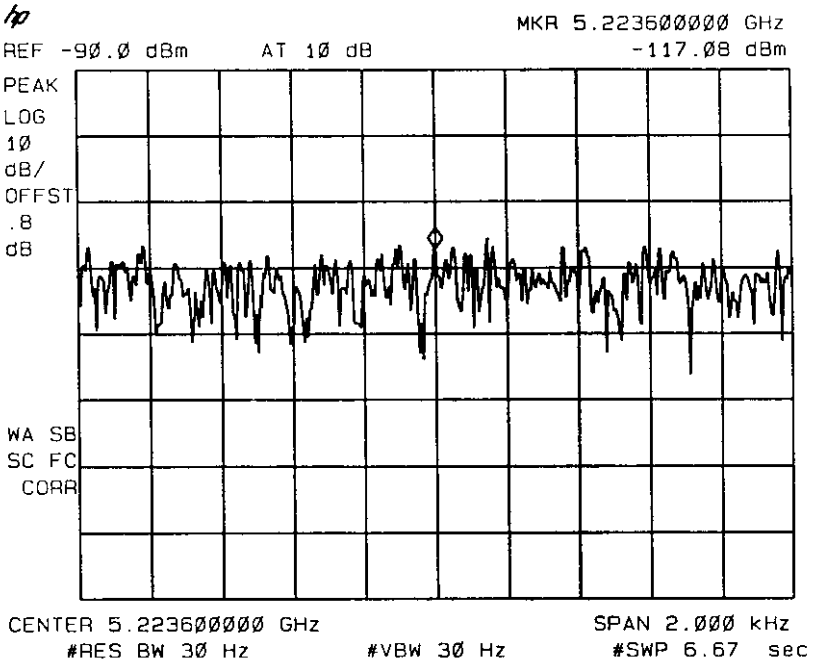


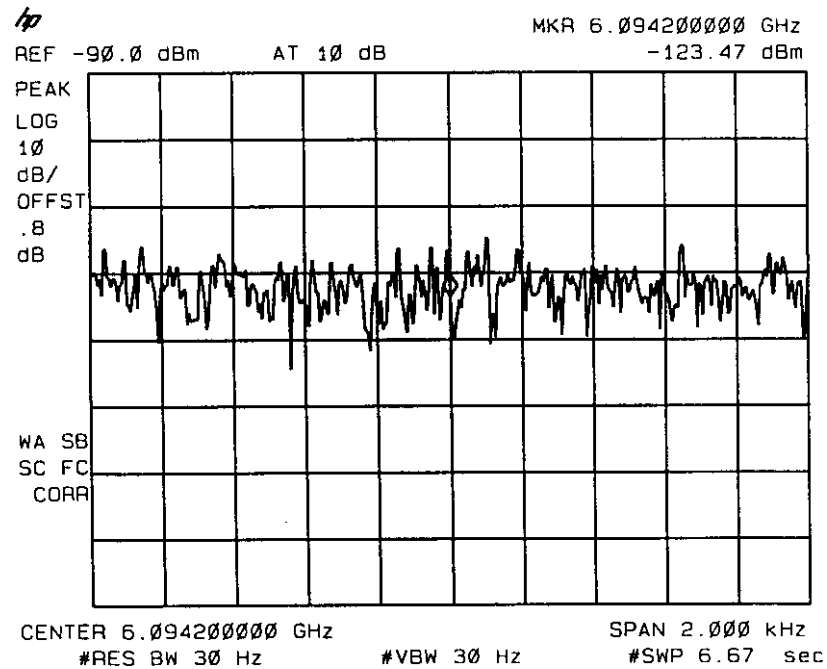


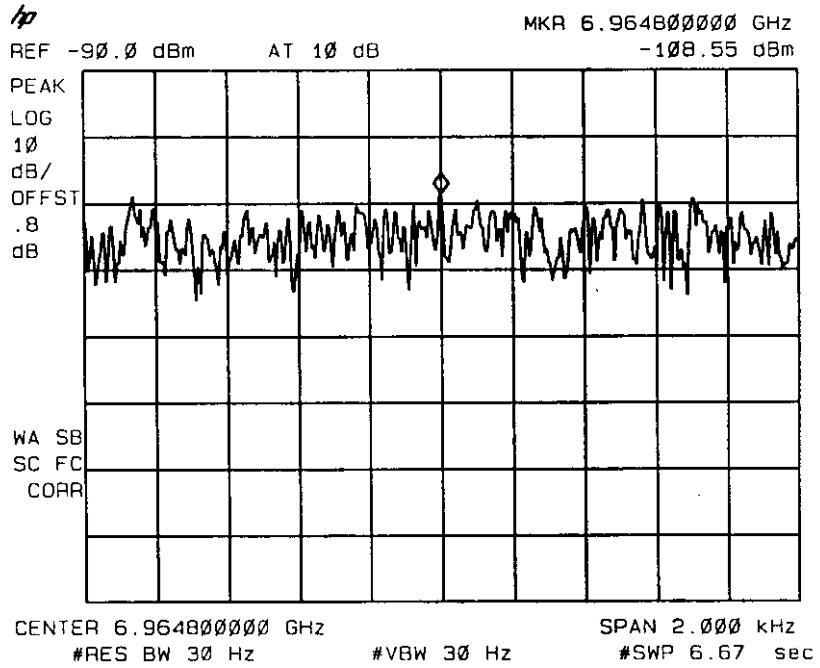




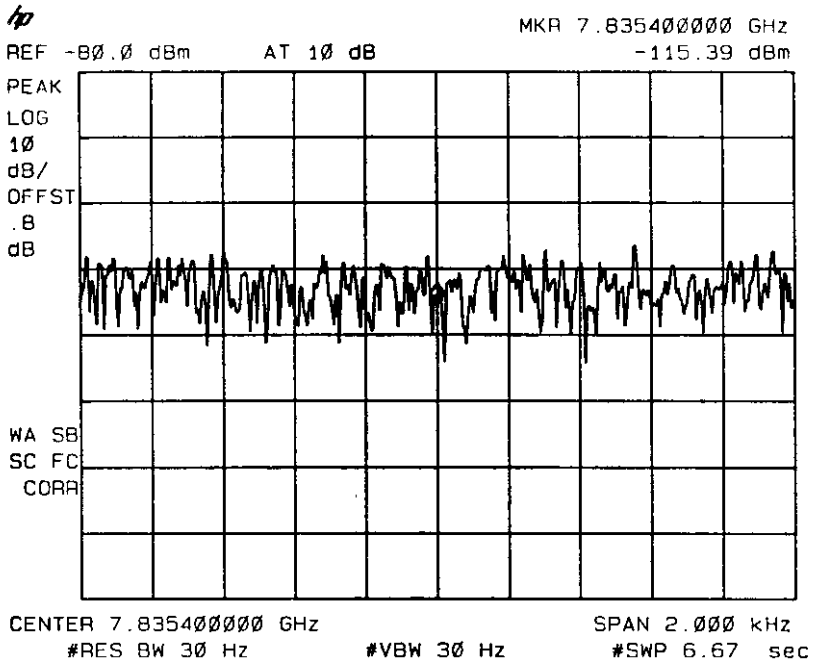

MKR 4.353000000 GHz
REF -90.0 dBm AT 10 dB -125.41 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.353000000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

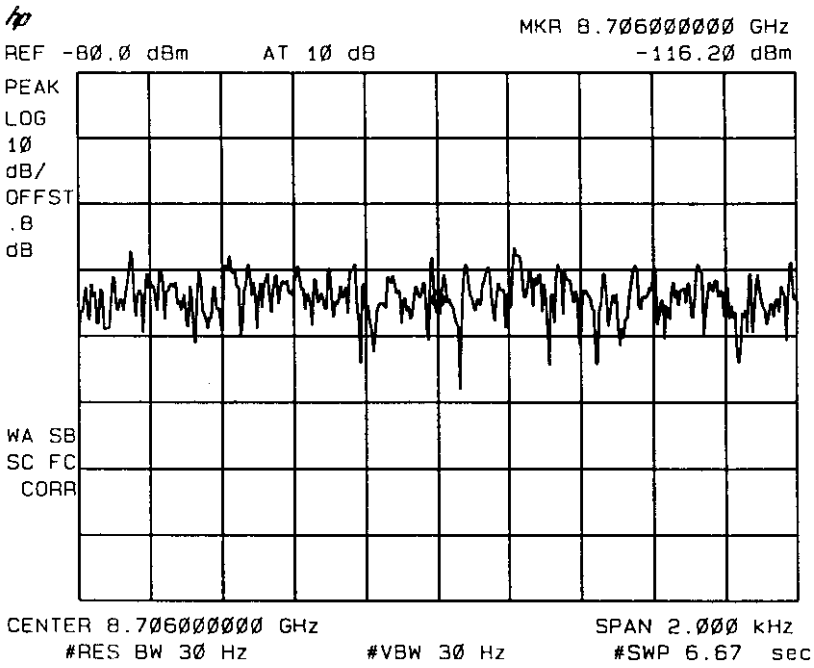

MKR 5.223600000 GHz
REF -90.0 dBm AT 10 dB -117.08 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.223600000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


MKR 6.094200000 GHz
REF -90.0 dBm AT 10 dB -123.47 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.094200000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


MKR 6.964800000 GHz
REF -90.0 dBm AT 10 dB -108.55 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.964800000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

sate
4-16-98
18:15:35





MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

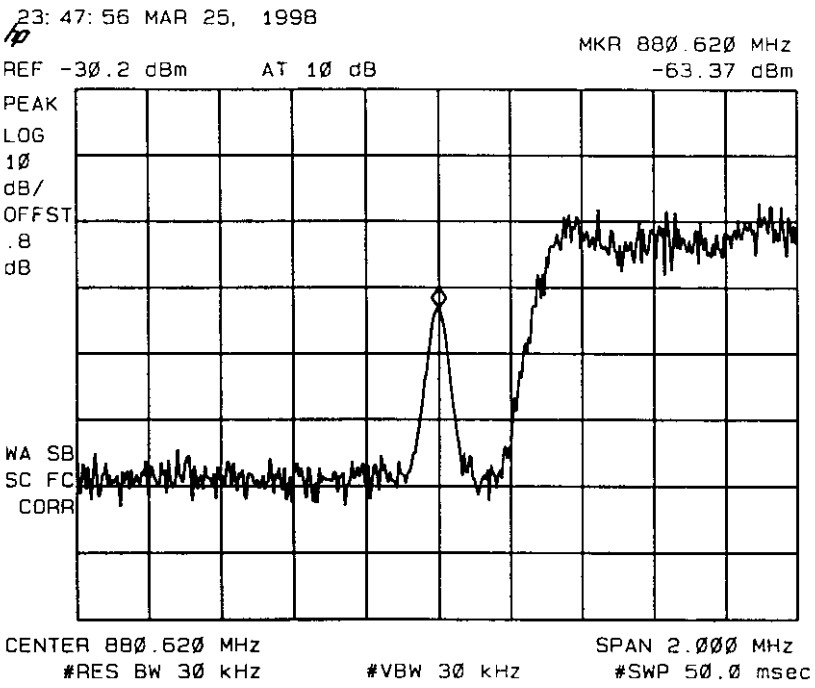
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

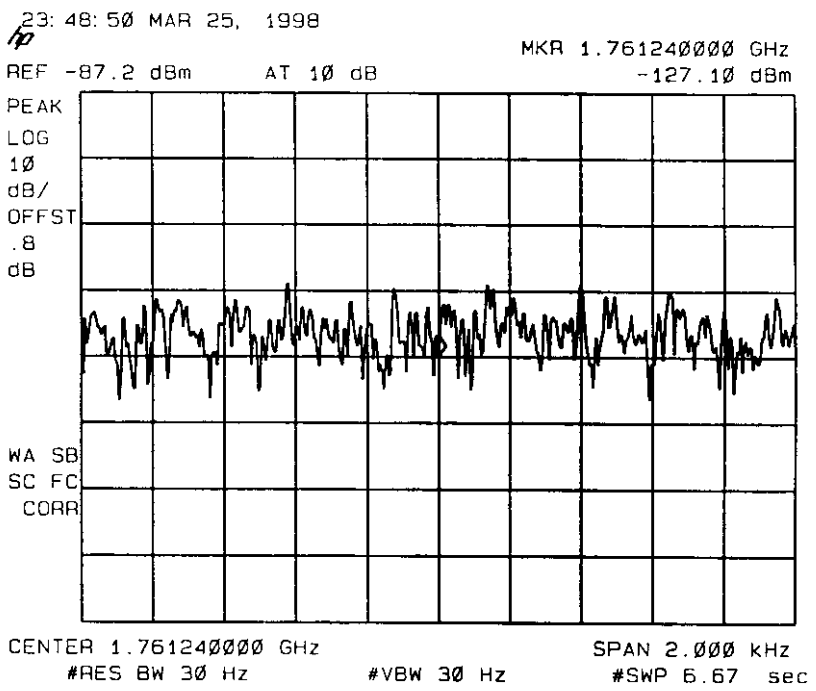
Analog Transmitter Channel 354

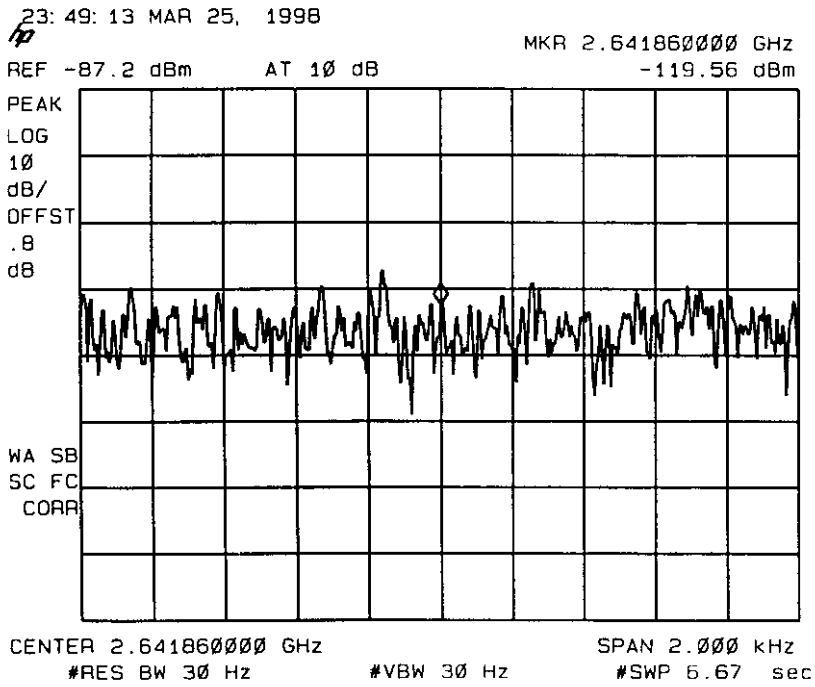
Minimum Power

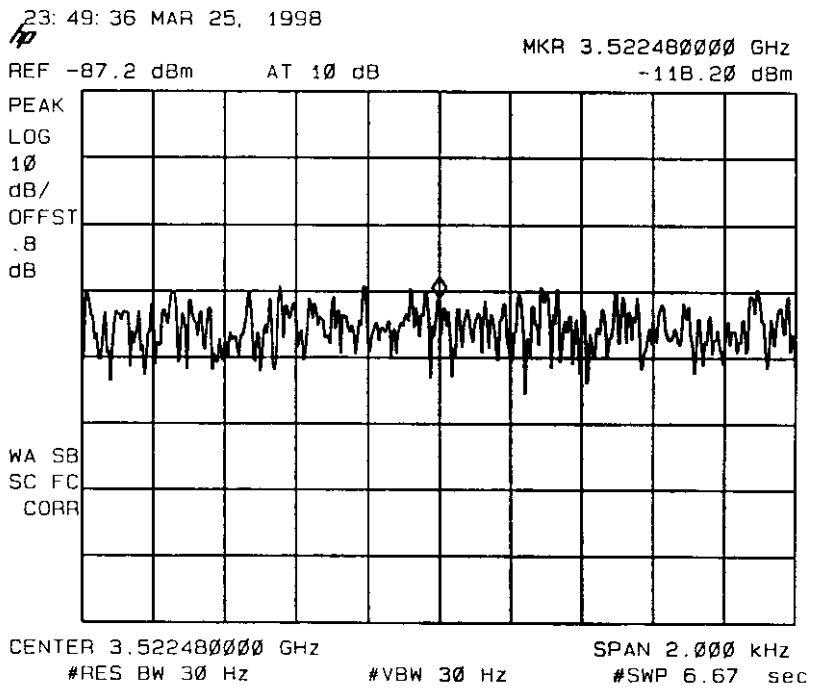
Narrow Band

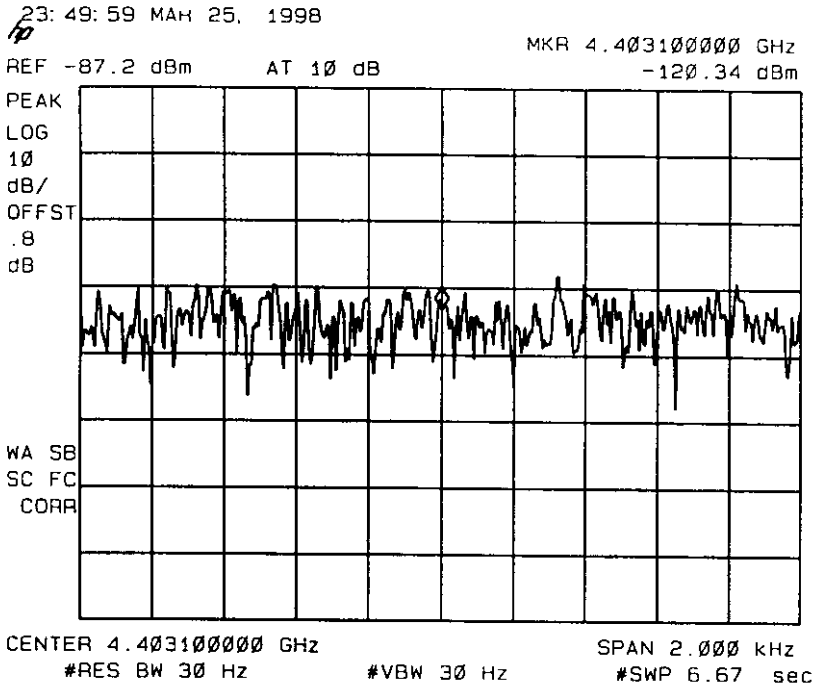
mvandrie
03-25-98
22:45:34

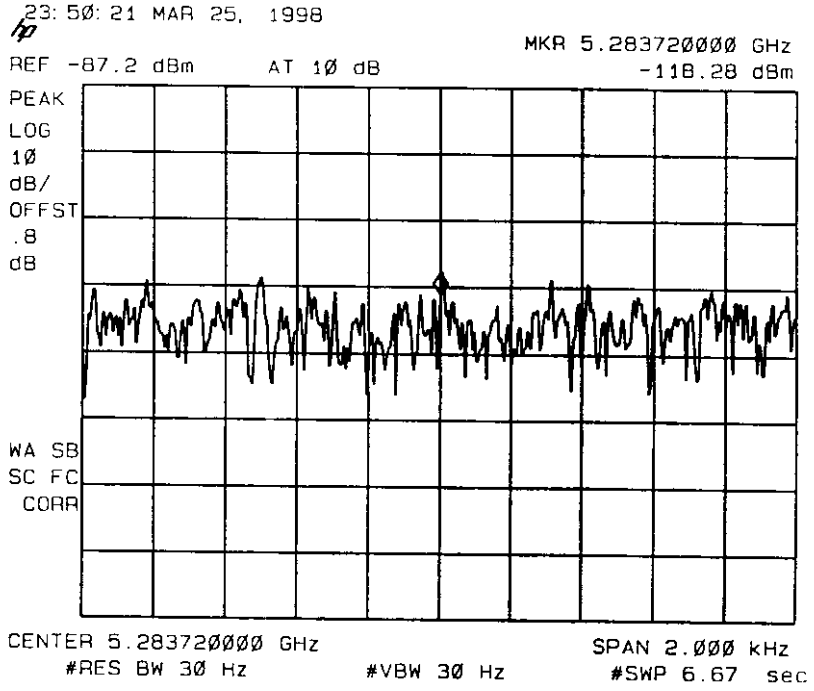


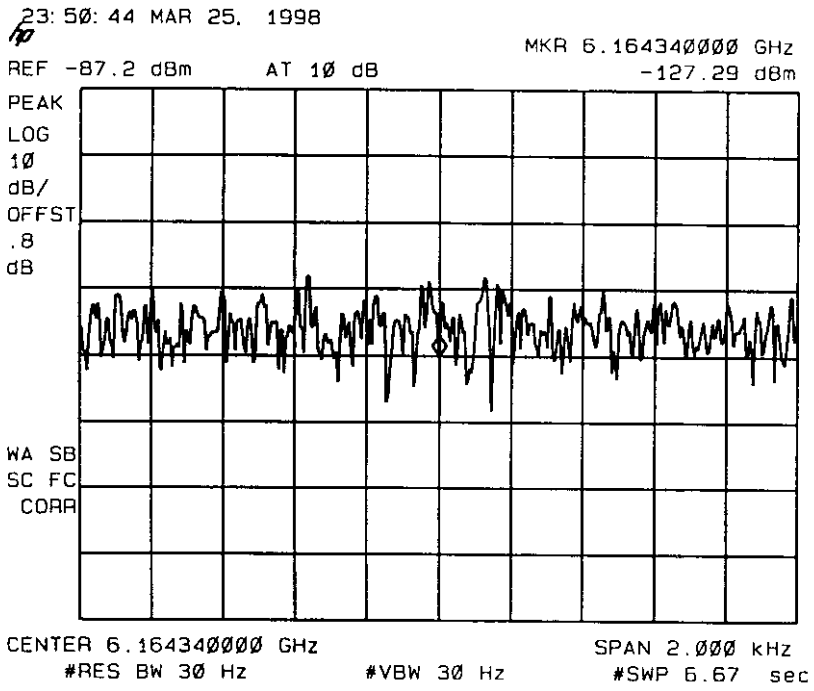


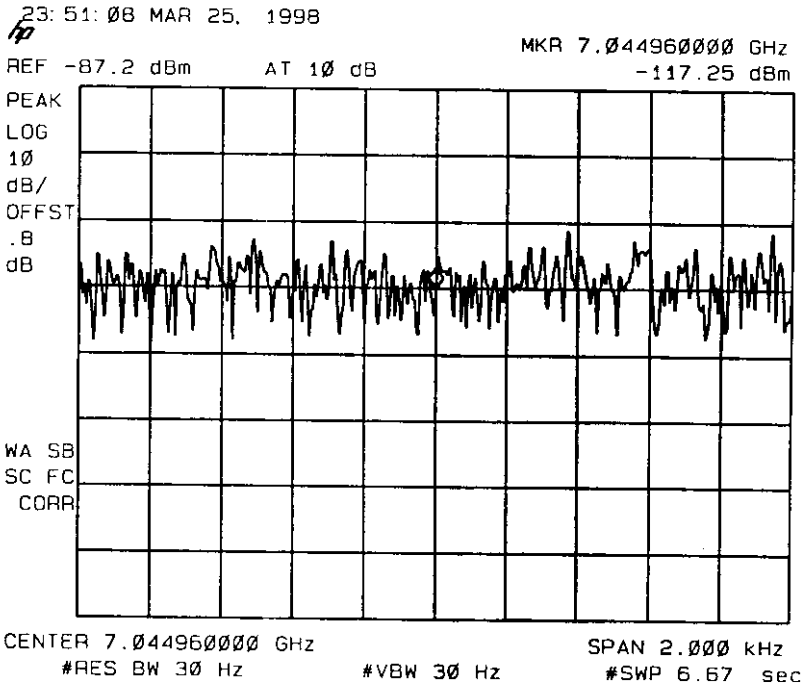




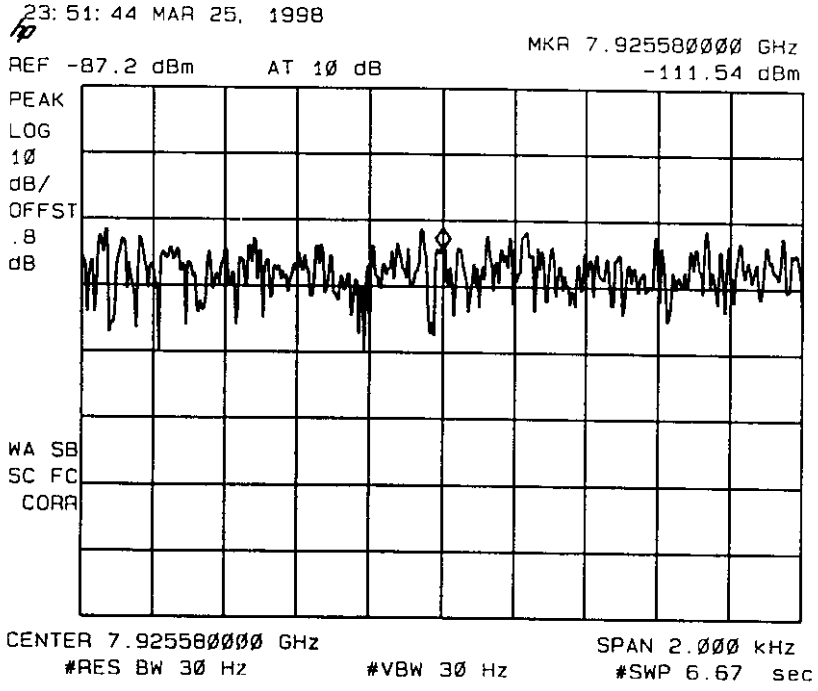

23: 49: 59 MAH 25, 1998
MKR 4.4Ø31ØØØØØ GHz
REF -87.2 dBm AT 1Ø dB -12Ø.34 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.4Ø31ØØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec

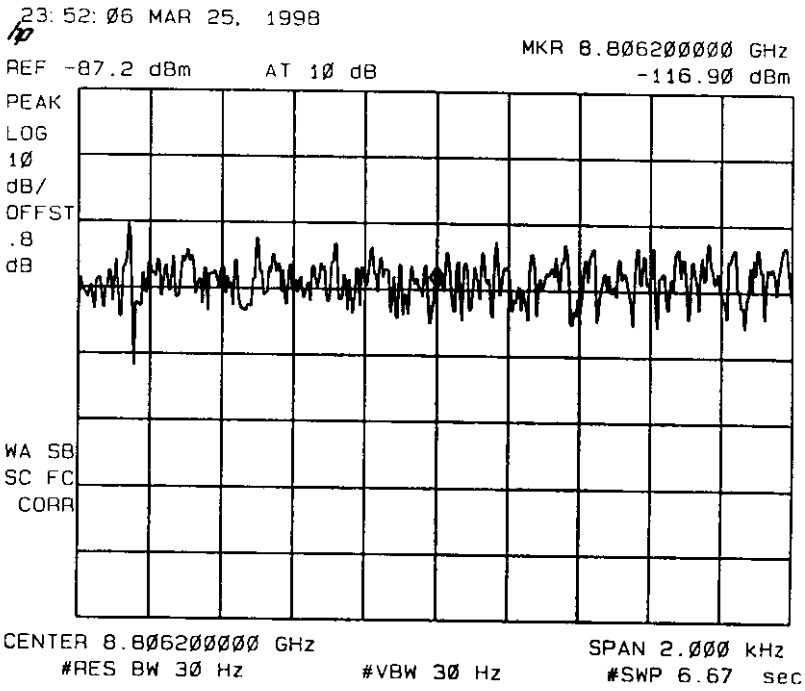

23: 5Ø: 21 MAR 25, 1998
MKR 5.283720ØØØ GHz
REF -87.2 dBm AT 1Ø dB -118.28 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.283720ØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


23: 5Ø: 44 MAR 25, 1998
MKR 6.164340ØØØ GHz
REF -87.2 dBm AT 1Ø dB -127.29 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.164340ØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec


23: 51: Ø8 MAR 25, 1998
MKR 7.Ø4496ØØØØ GHz
REF -87.2 dBm AT 1Ø dB -117.25 dBm
PEAK
LOG
1Ø
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.Ø4496ØØØØ GHz
SPAN 2.ØØØ kHz
#RES BW 3Ø Hz
#VBW 3Ø Hz
#SWP 6.67 sec

vandrie
03-25-98
22:48:03





MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

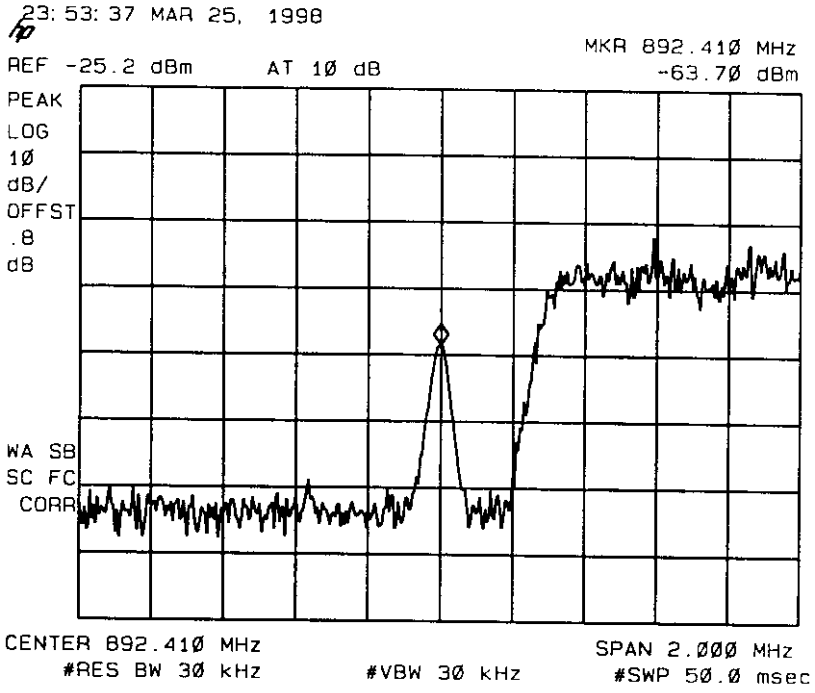
SPURIOUS & HARMONIC EMISSIONS CONDUCTED

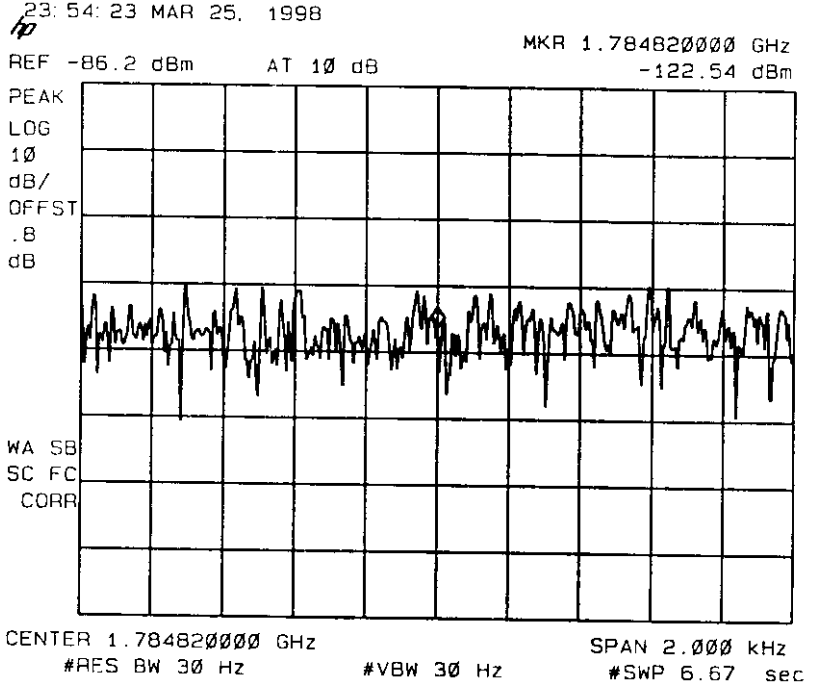
Analog Transmitter Channel 747

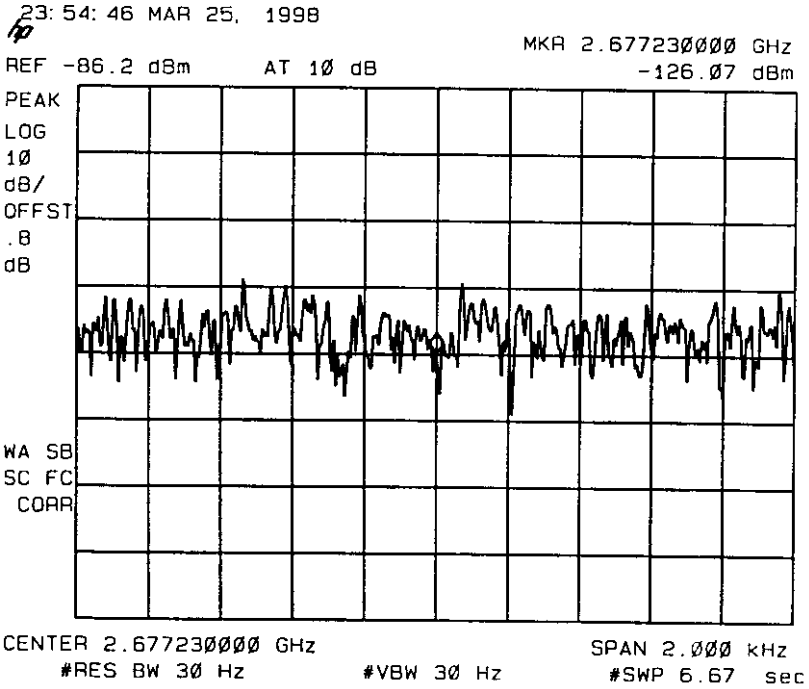
Minimum Power

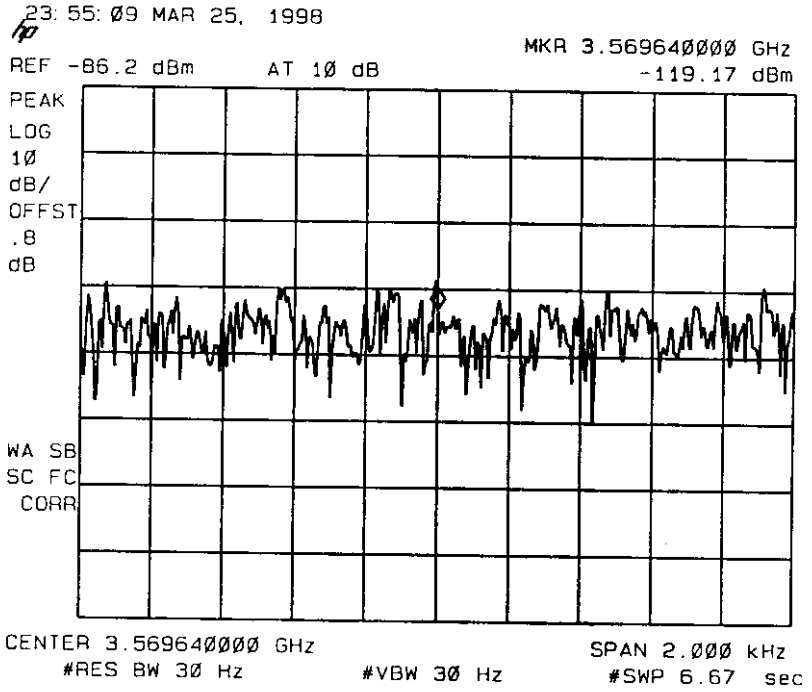
Narrow Band

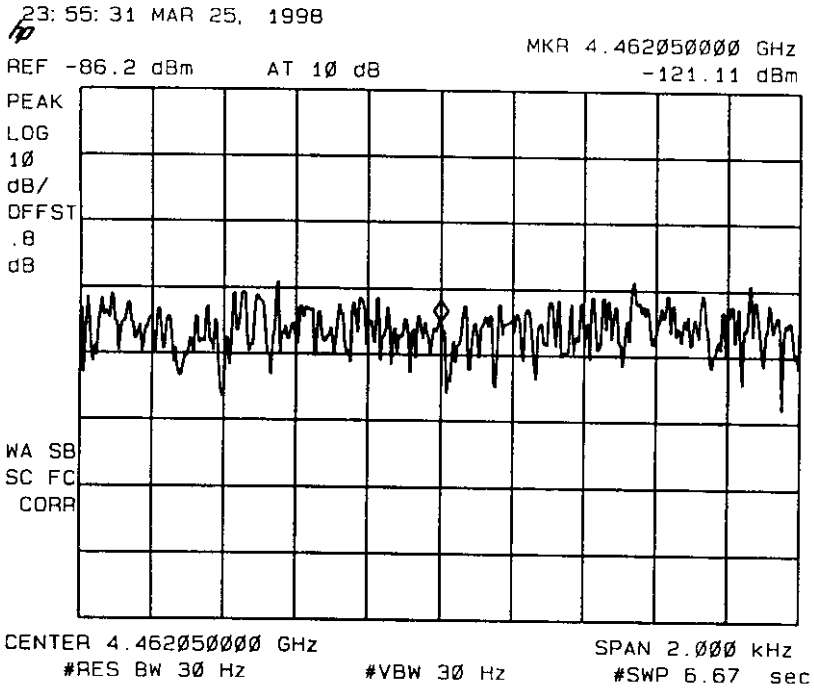
vandrie
3-25-98
22:51:06

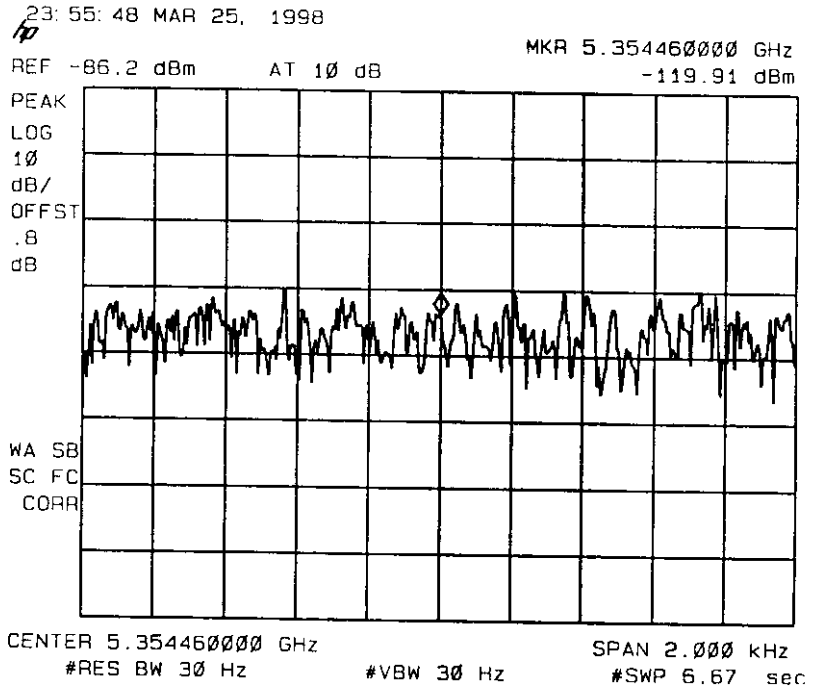


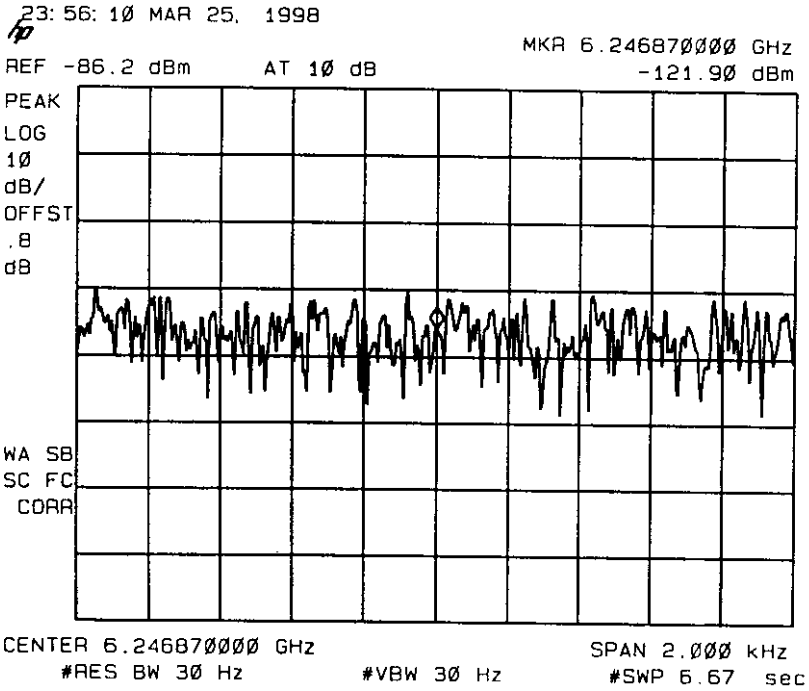


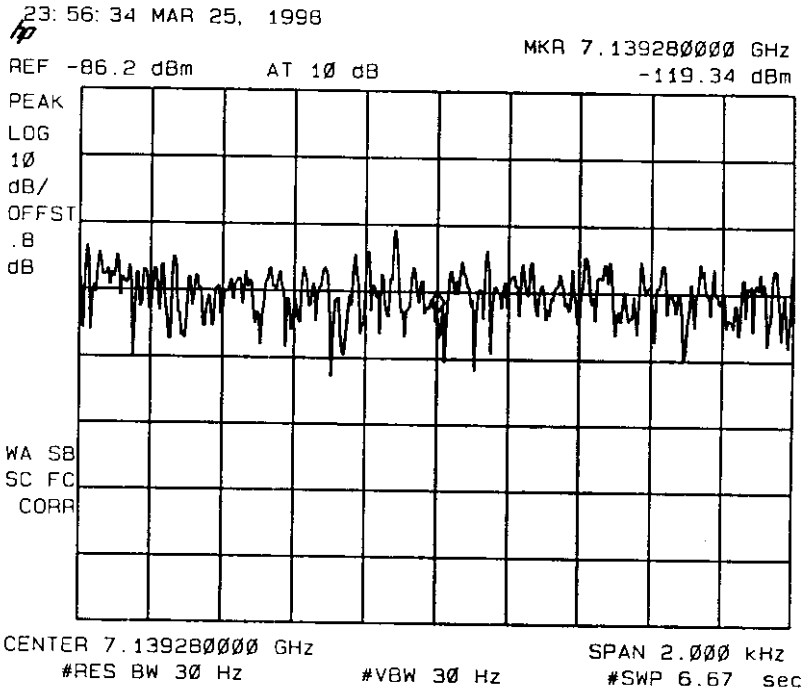


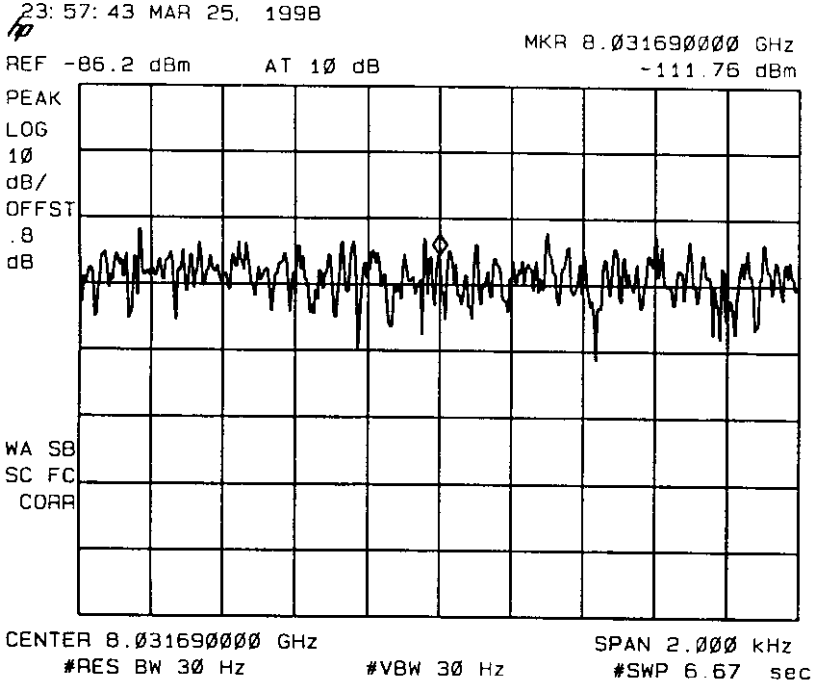


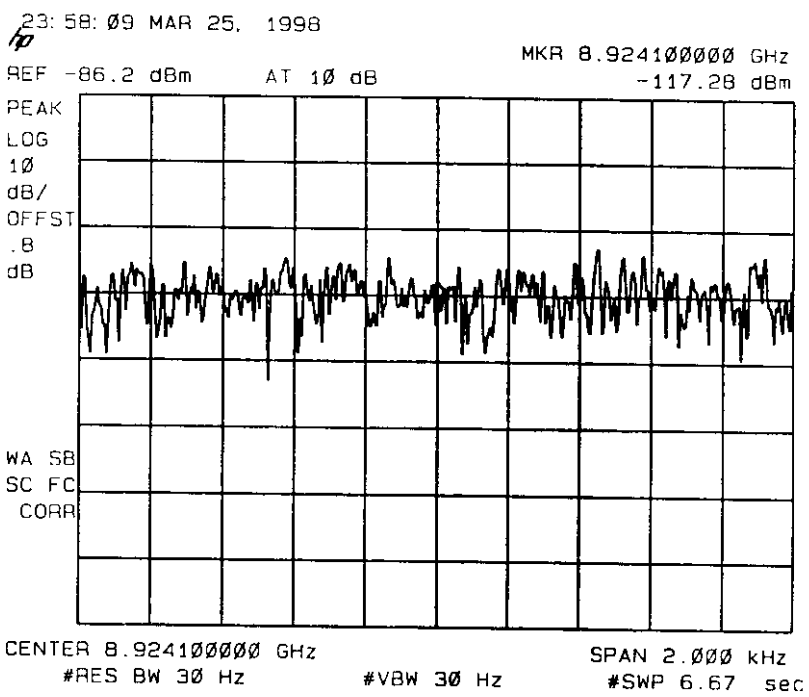

23: 55: 31 MAR 25, 1998
MKR 4.462050000 GHz
REF -86.2 dBm
AT 10 dB
-121.11 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 4.462050000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


23: 55: 48 MAR 25, 1998
MKR 5.354460000 GHz
REF -86.2 dBm
AT 10 dB
-119.91 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 5.354460000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


23: 56: 10 MAR 25, 1998
MKR 6.246870000 GHz
REF -86.2 dBm
AT 10 dB
-121.90 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 6.246870000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


23: 56: 34 MAR 25, 1998
MKR 7.139280000 GHz
REF -86.2 dBm
AT 10 dB
-119.34 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 7.139280000 GHz
#RES BW 30 Hz
#VBW 30 Hz
SPAN 2.000 kHz
#SWP 6.67 sec


23: 57: 43 MAR 25, 1998
MKR 8.031690000 GHz
REF -86.2 dBm
AT 10 dB
-111.76 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.031690000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec


23: 58: 09 MAR 25, 1998
MKR 8.924100000 GHz
REF -86.2 dBm
AT 10 dB
-117.28 dBm
PEAK
LOG
10
dB/
OFFST
.8
dB
WA SB
SC FC
CORR
CENTER 8.924100000 GHz
SPAN 2.000 kHz
#RES BW 30 Hz
#VBW 30 Hz
#SWP 6.67 sec

MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

FCC ID: IHET5YE1

EXHIBIT #24

OCCUPIED BANDWIDTH

Analog and CDMA

MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

FCC ID: IHET5YE1

OCCUPIED BANDWIDTH

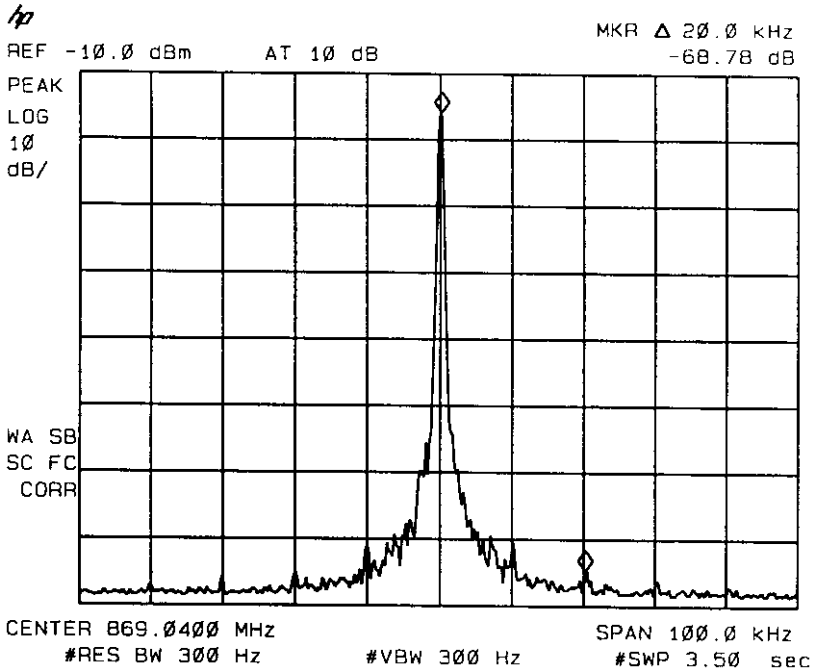
Channels 991, 354, 747

Maximum Power

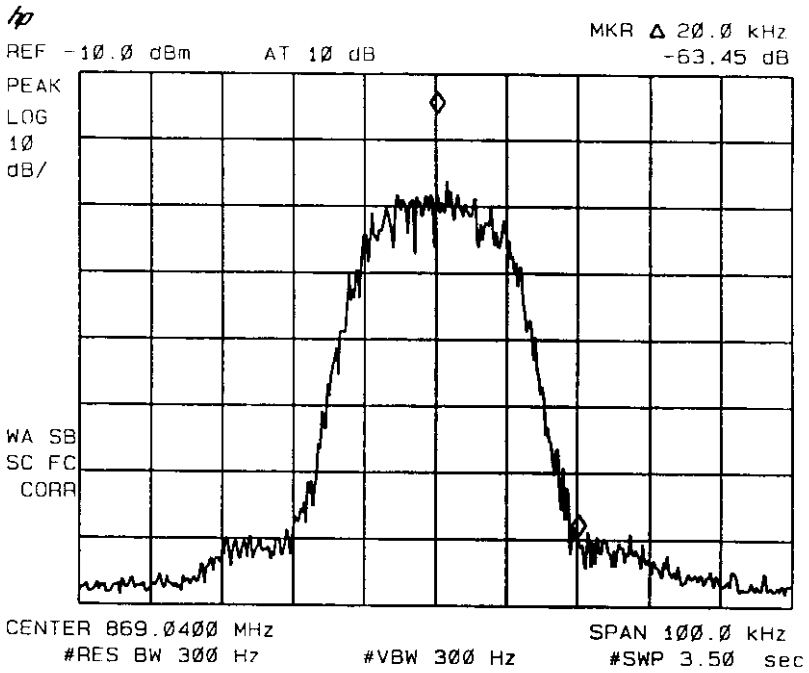
Analog

btsate
04-16-98
14:53:29

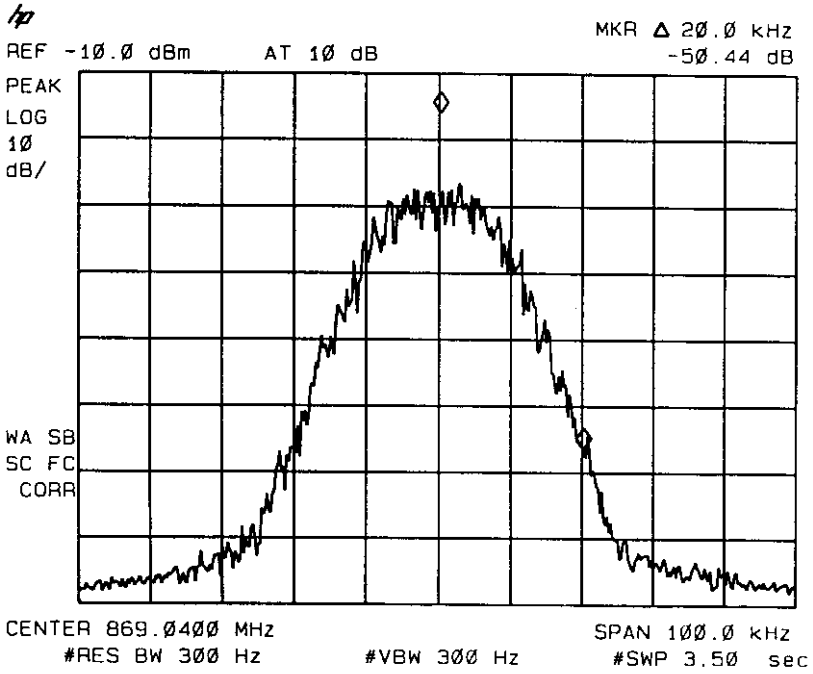
Reference



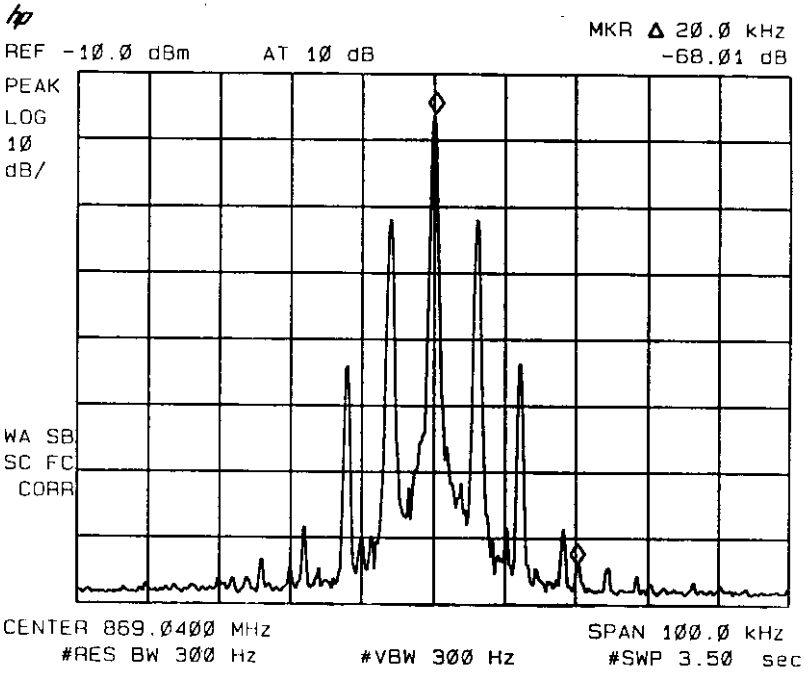
Voice Only



Voice + SAT

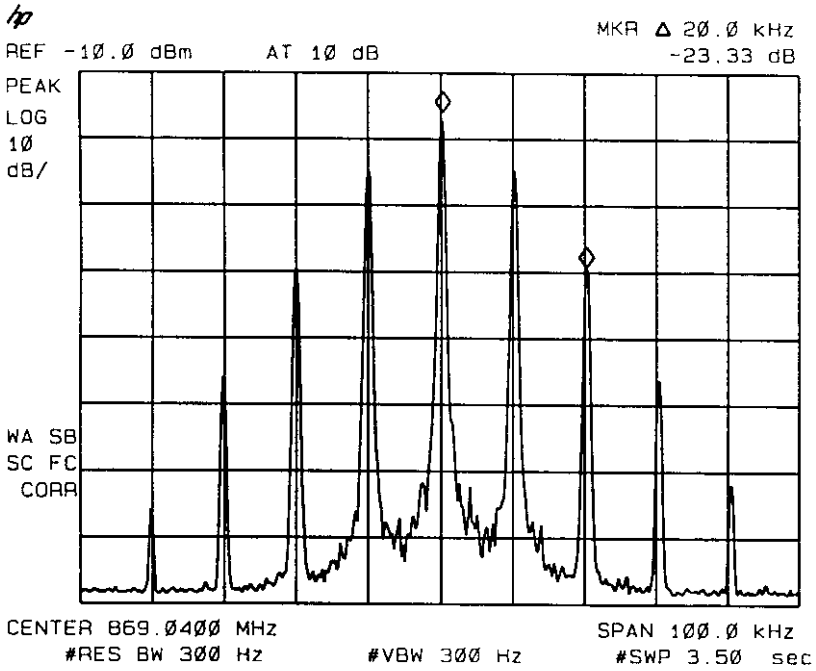


SAT Only

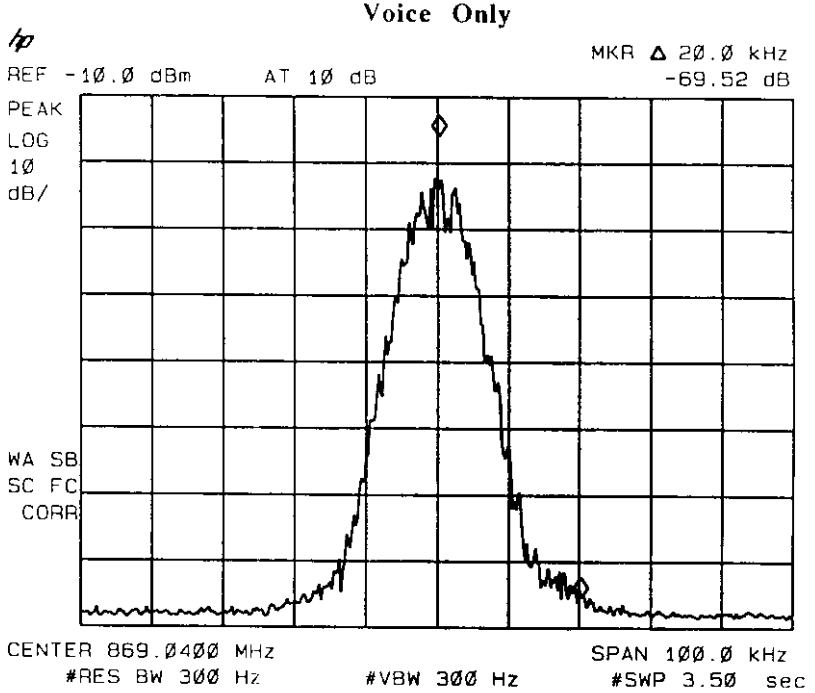


btsate
04-16-98
15:21:09

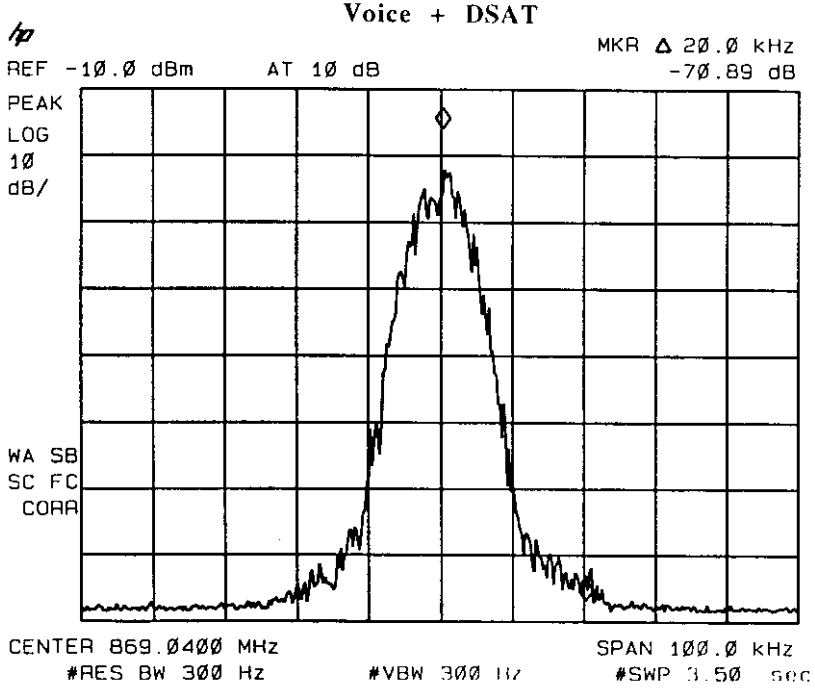
Wide Band Data



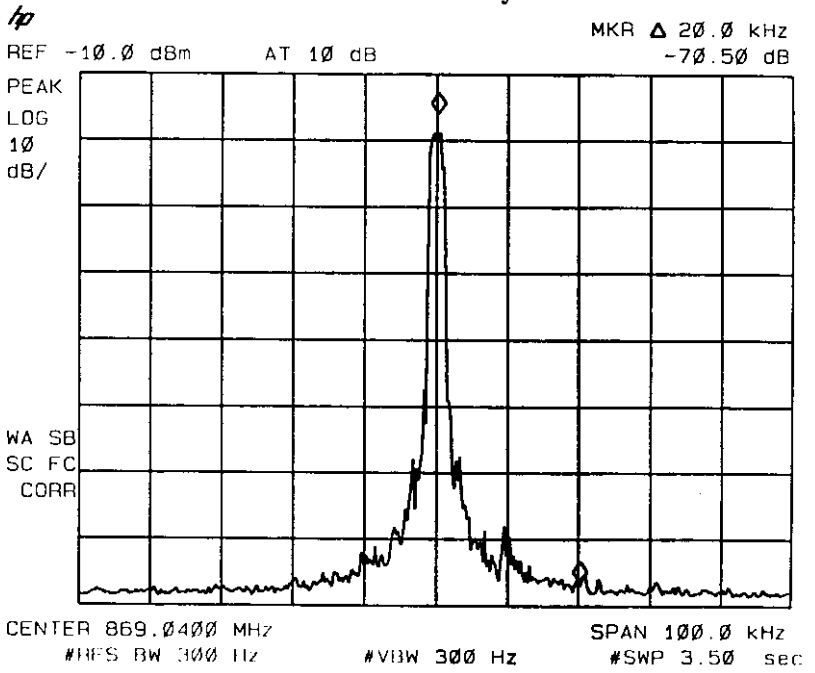
Voice Only



Voice + DSAT

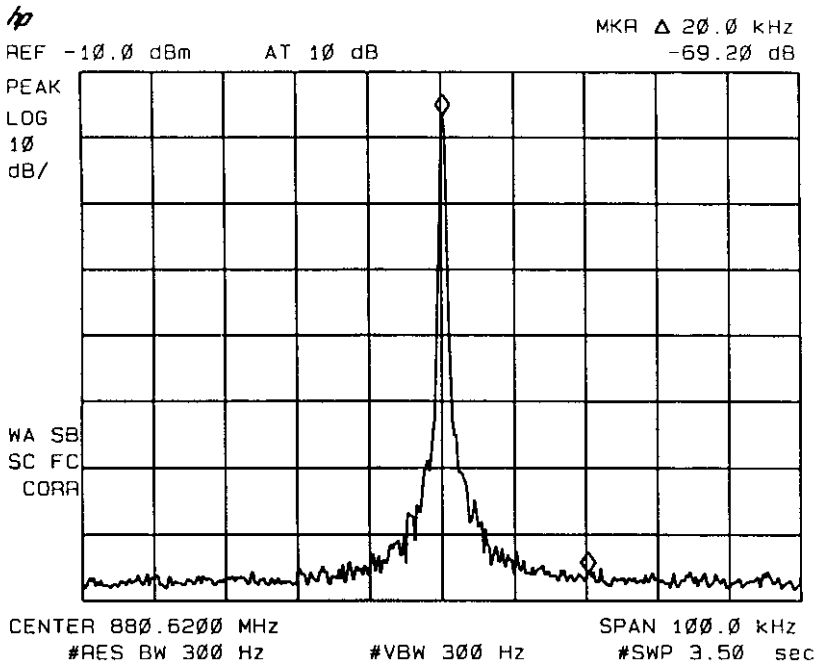


DSAT Only

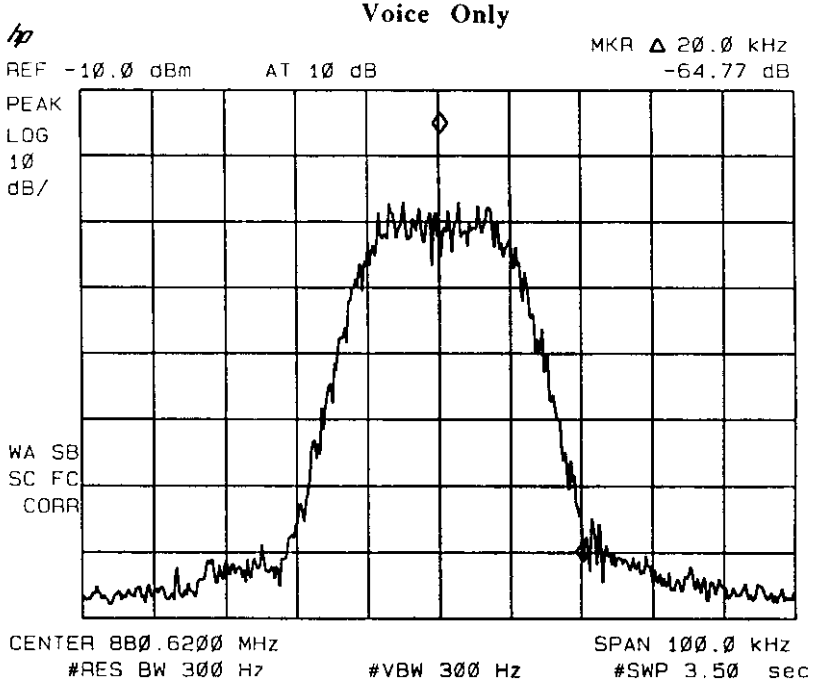


btsate
04-16-98
15:25:48

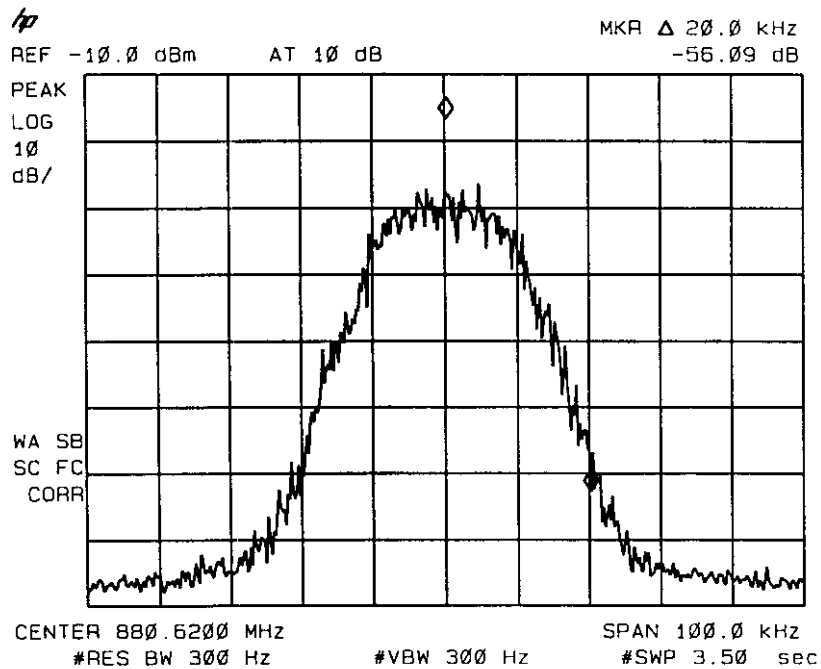
Reference



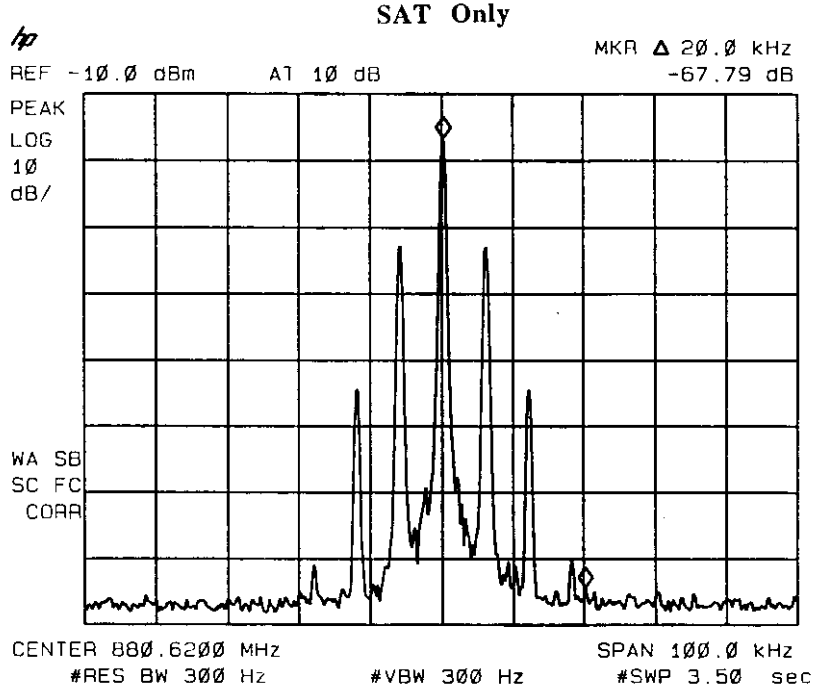
Voice Only



Voice + SAT

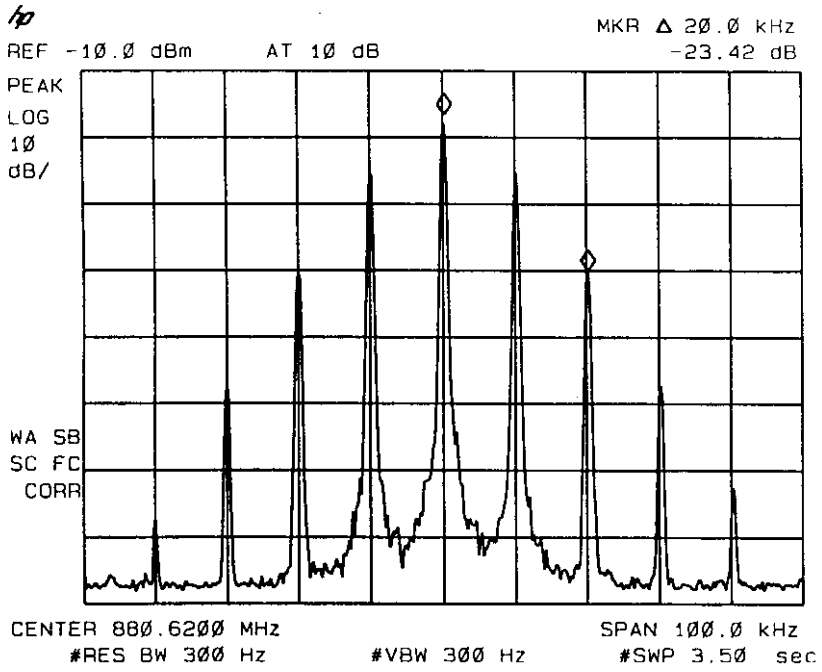


SAT Only

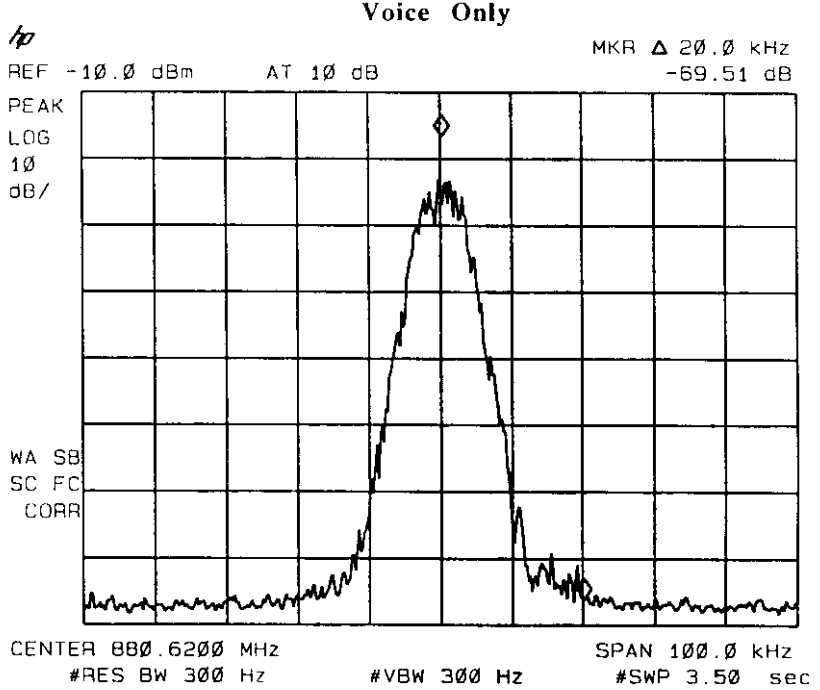


btsate
04-16-98
15:28:19

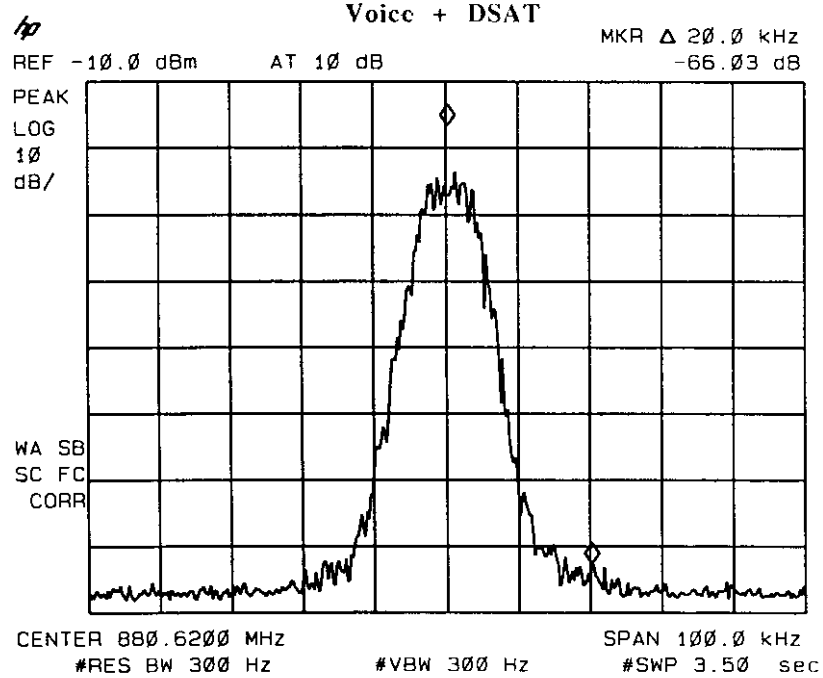
Wide Band Data



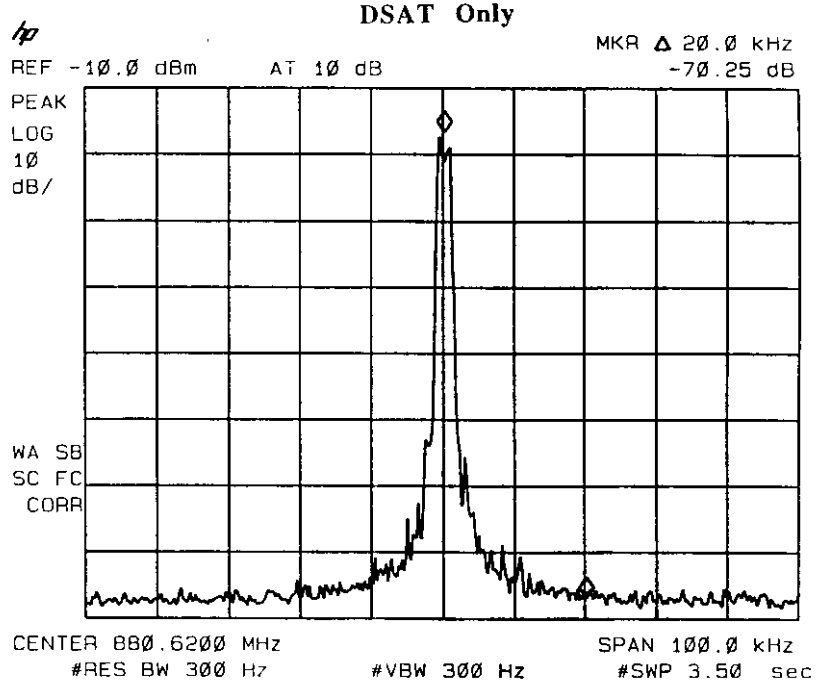
Voice Only



Voice + DSAT

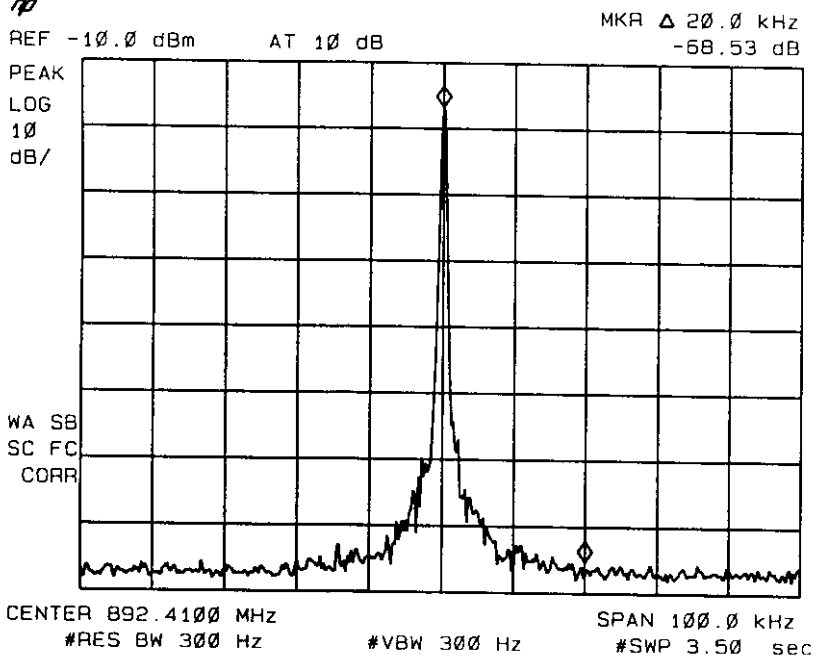


DSAT Only

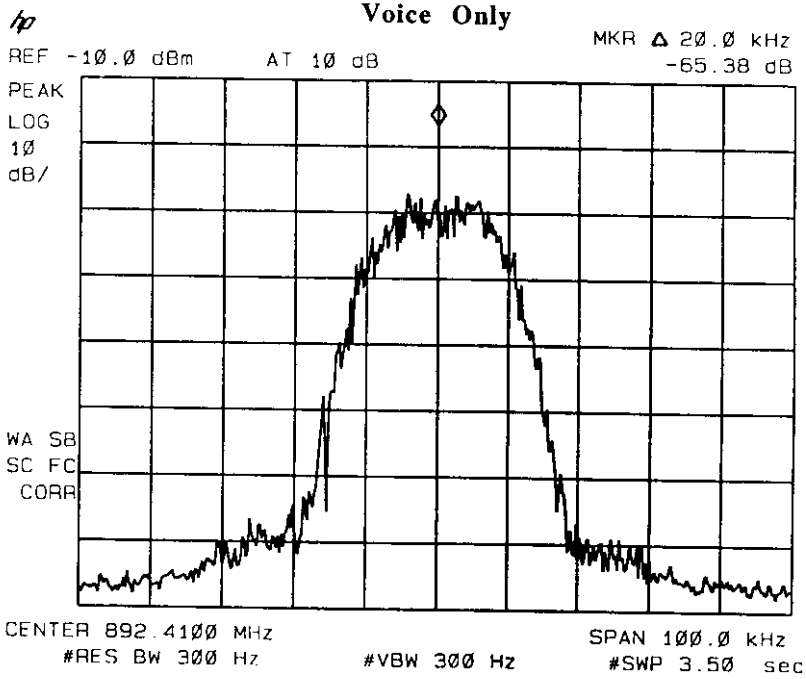


btsate
04-16-98
15:48:19

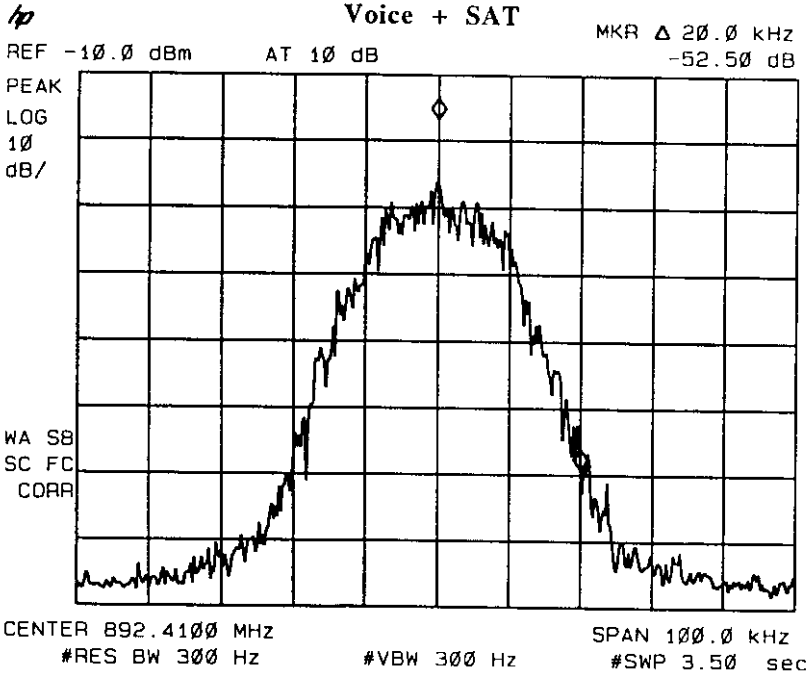
Reference



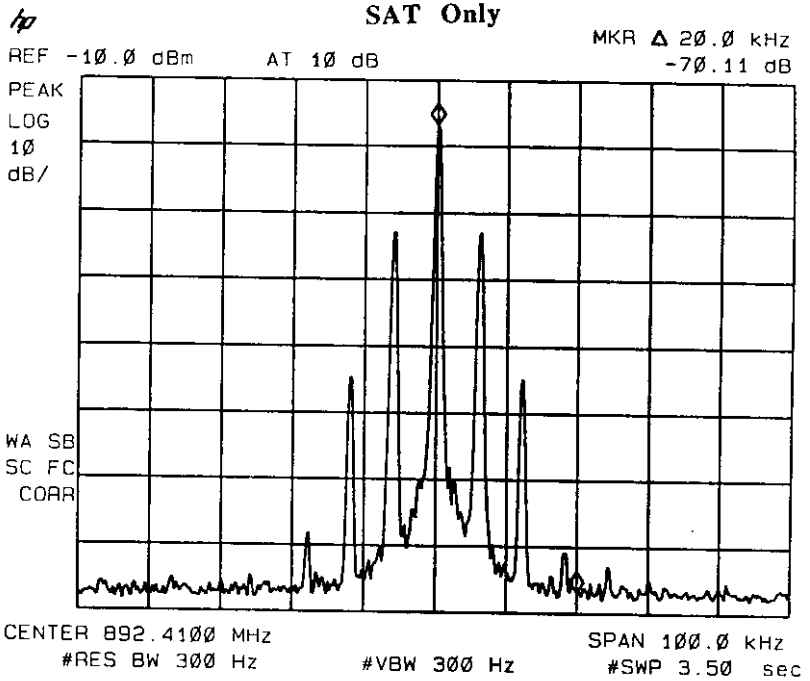
Voice Only



Voice + SAT

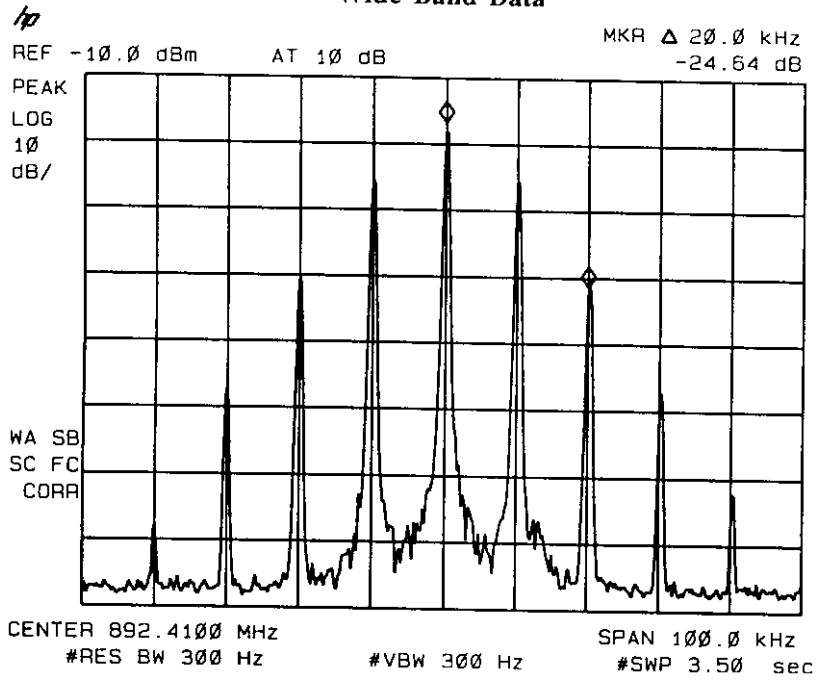


SAT Only

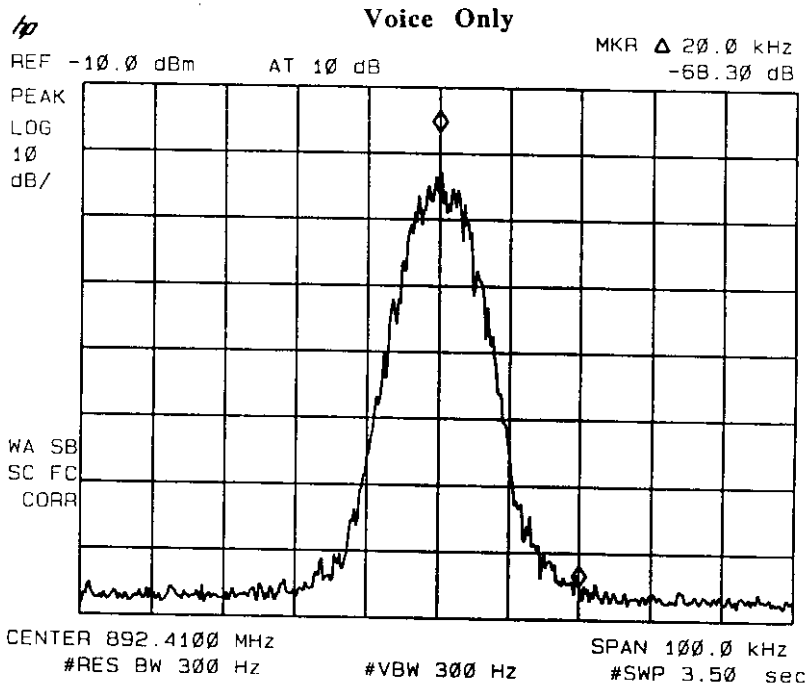


btsate
04-16-98
15:50:16

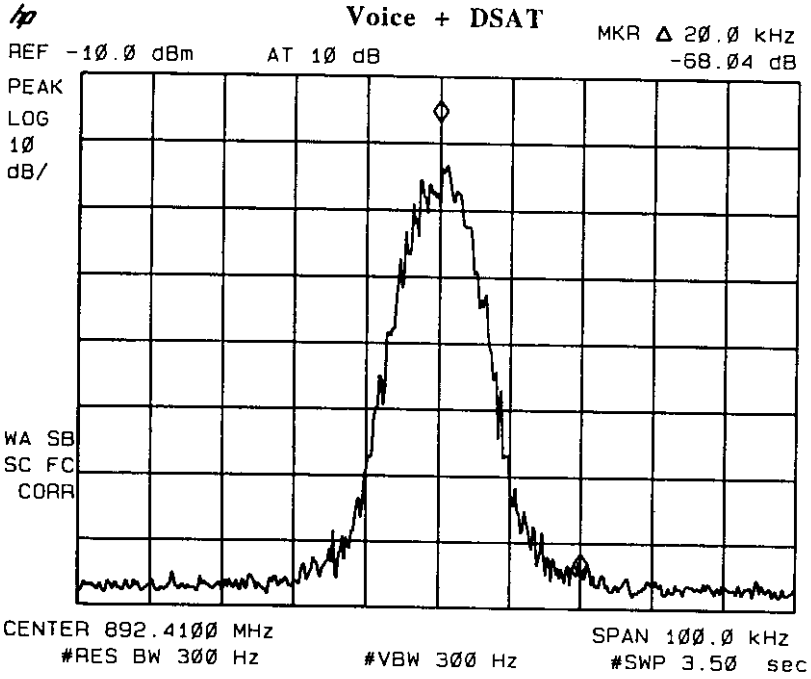
Wide Band Data



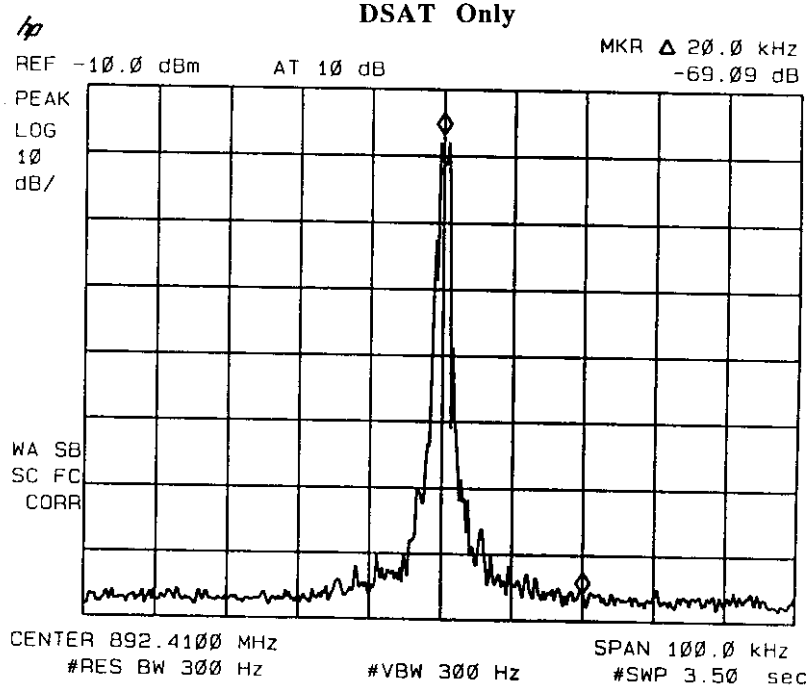
Voice Only



Voice + DSAT



DSAT Only



MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

FCC ID: IHET5YE1

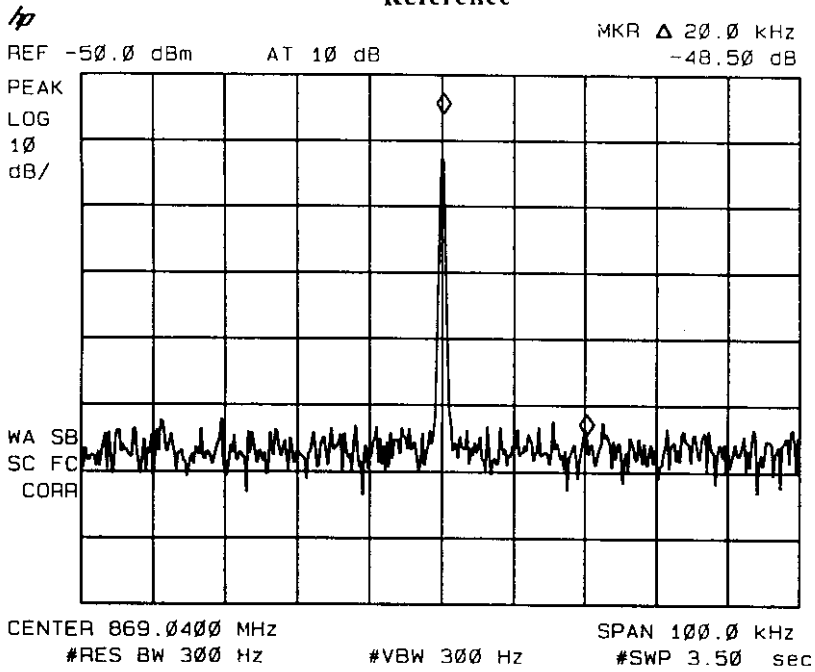
OCCUPIED BANDWIDTH

Channels 991, 354, 747

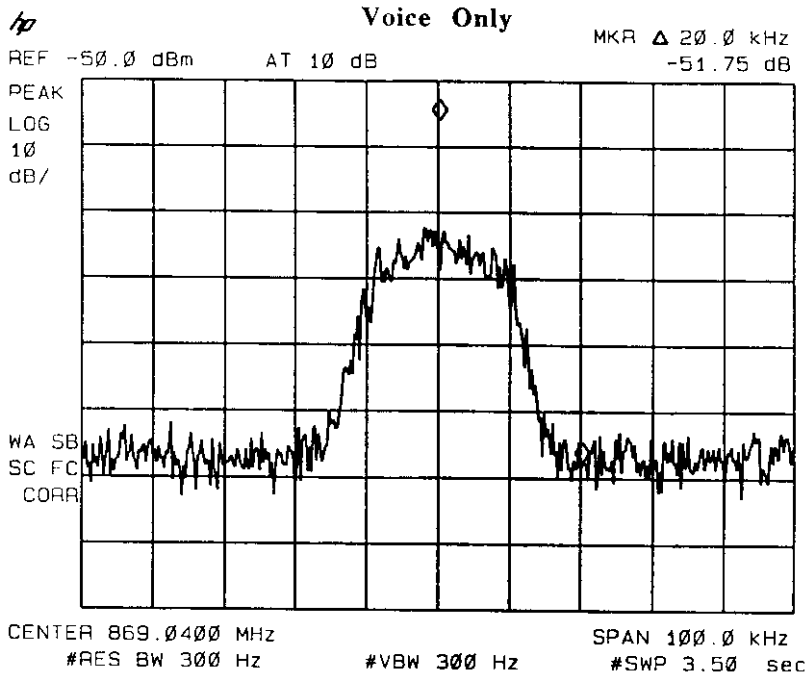
Minimum Power

Analog

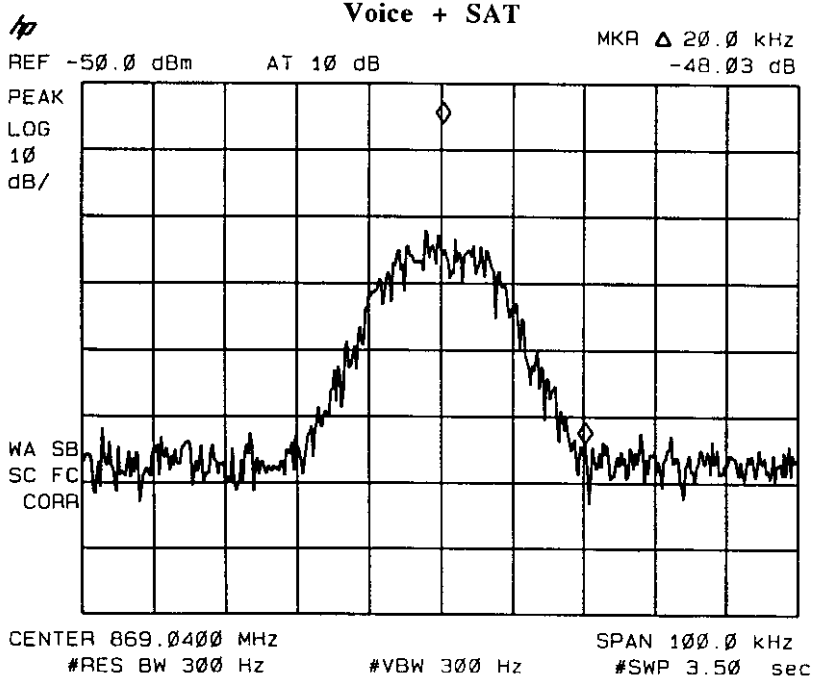
Reference



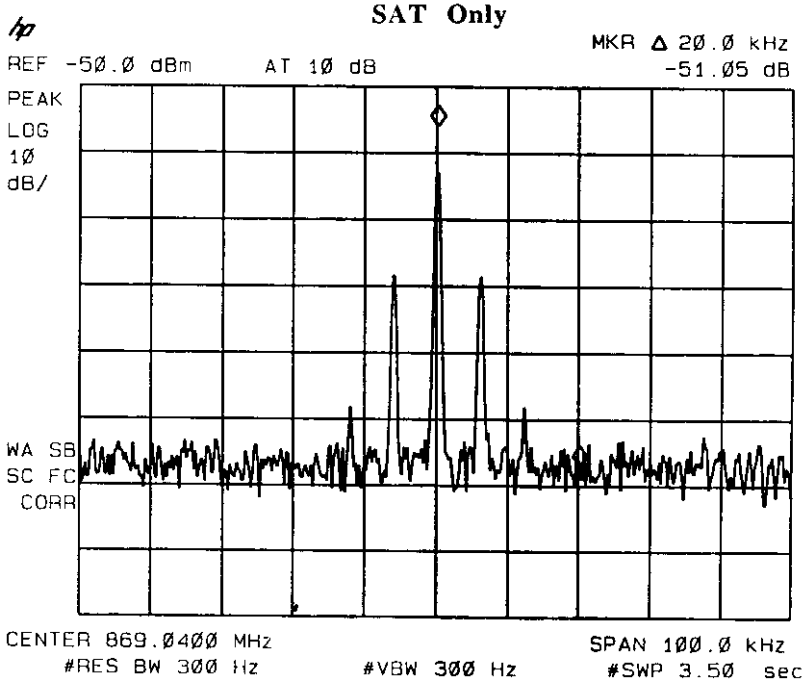
Voice Only



Voice + SAT

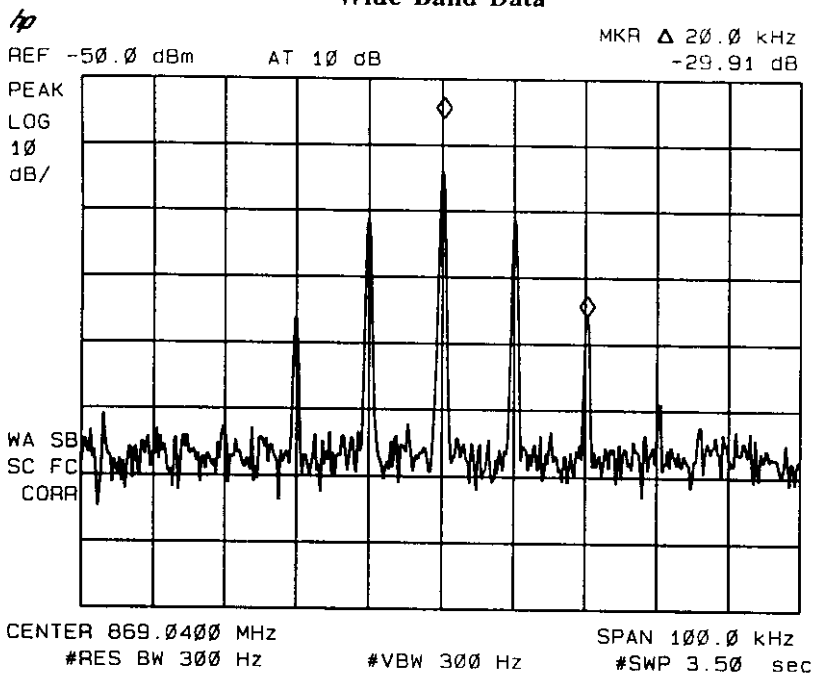


SAT Only

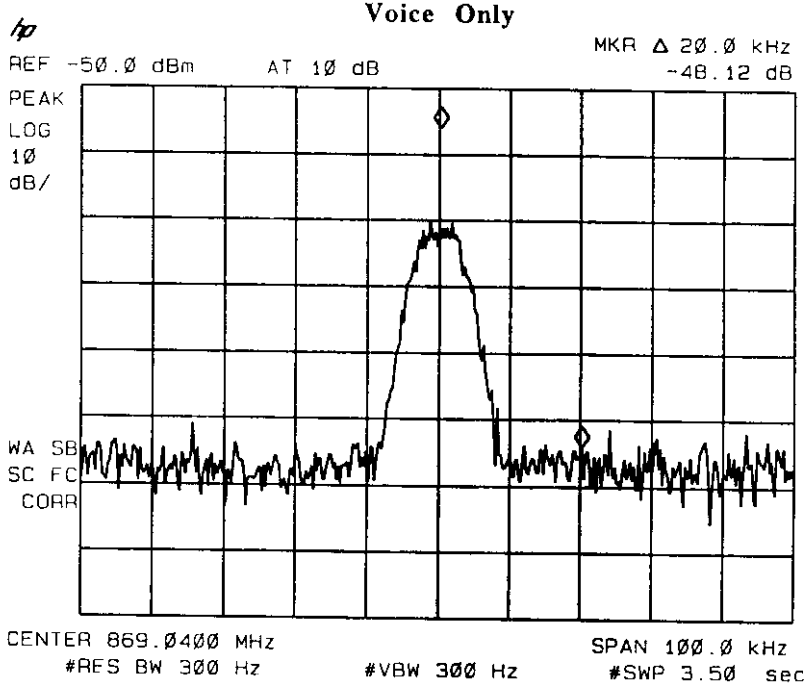


:sate
4-16-98
15:16:23

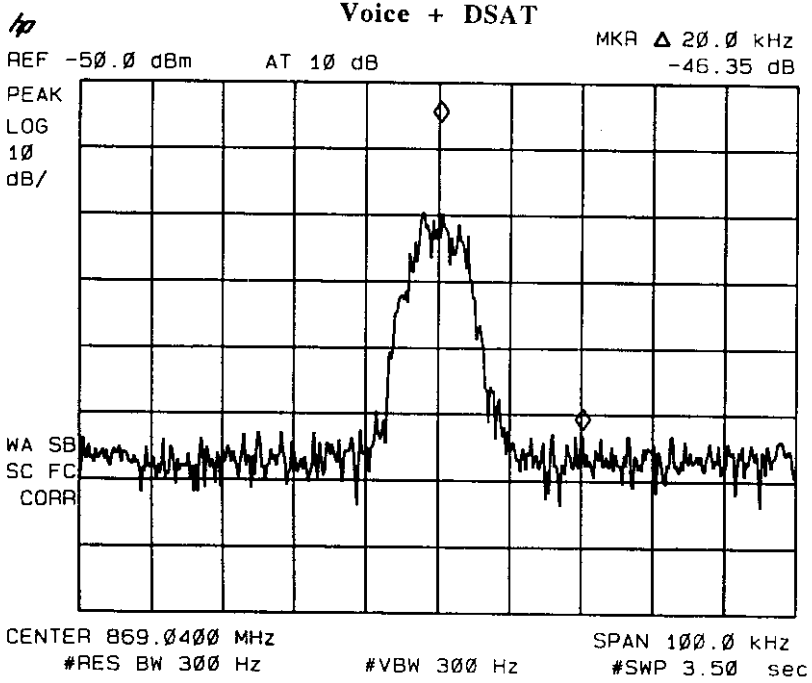
Wide Band Data



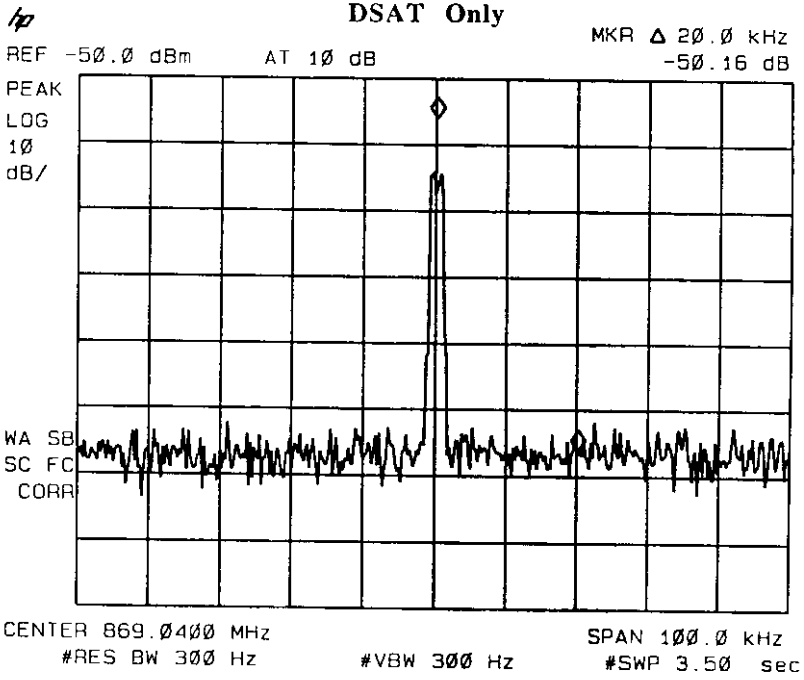
Voice Only



Voice + DSAT



DSAT Only



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04-16-98
15:30:40

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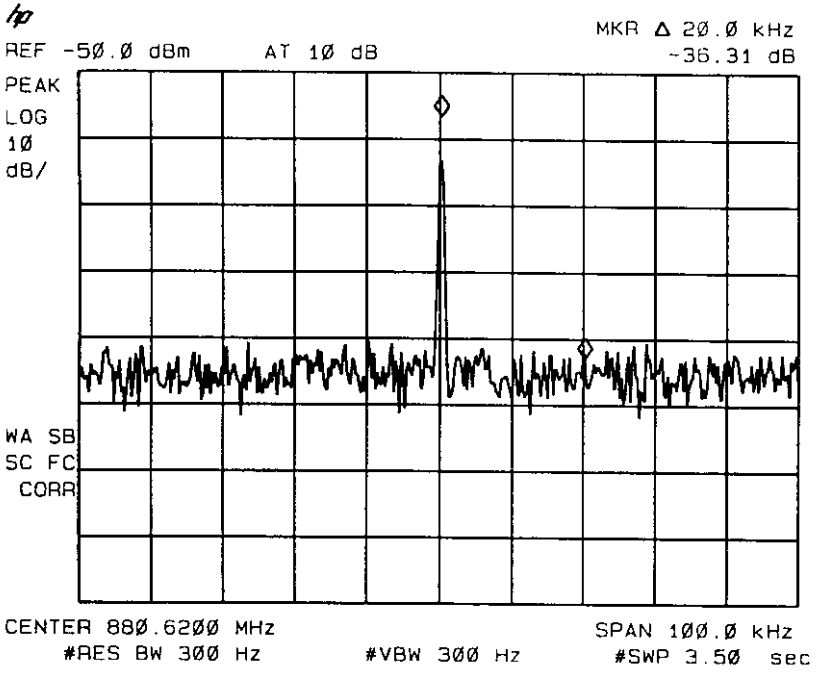
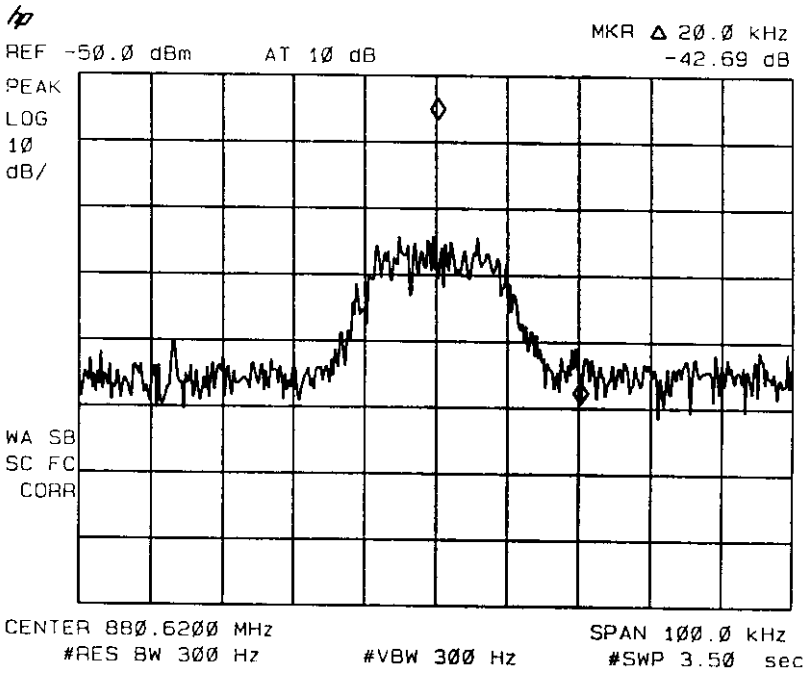
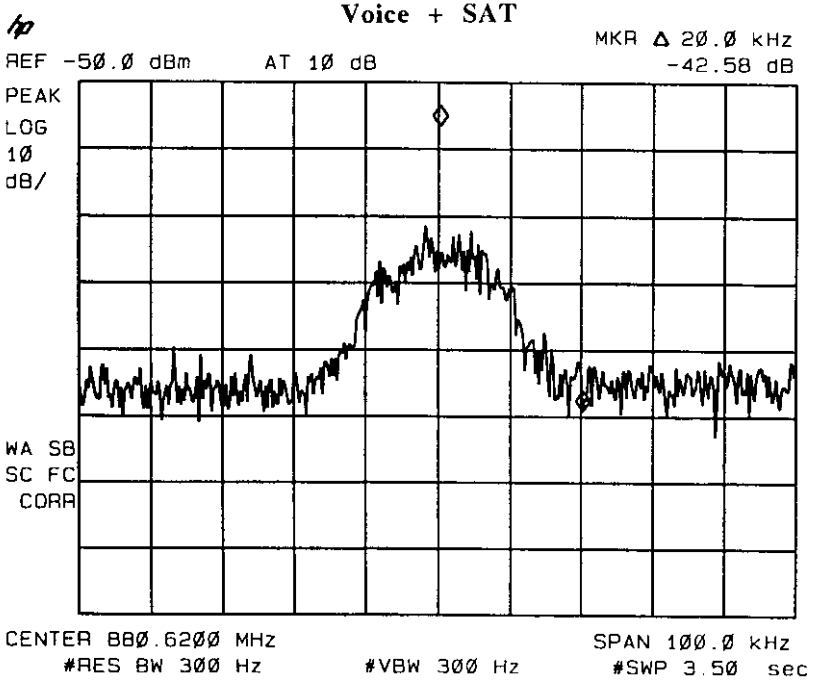


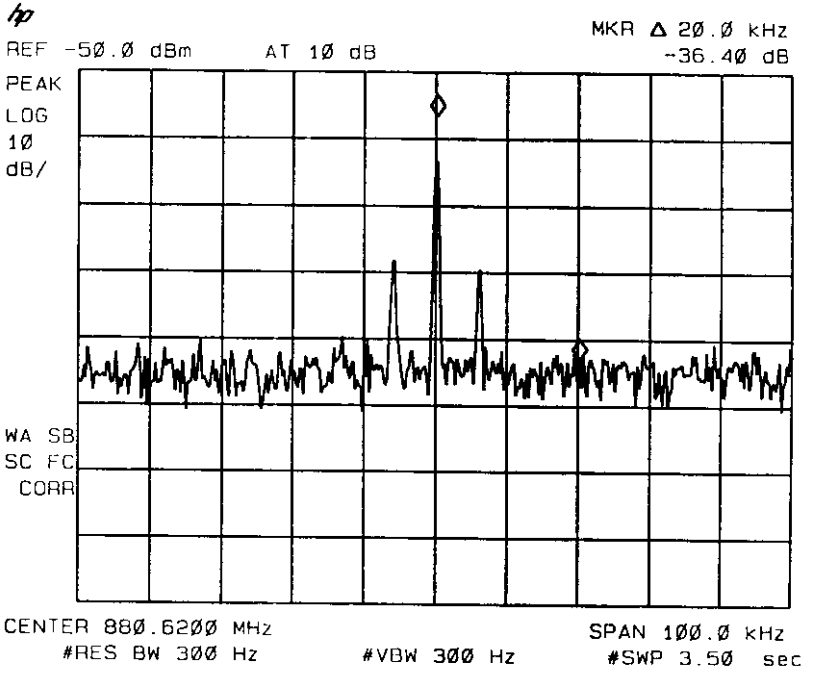
Voice Only



Voice + SAT



SAT Only



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4-16-98
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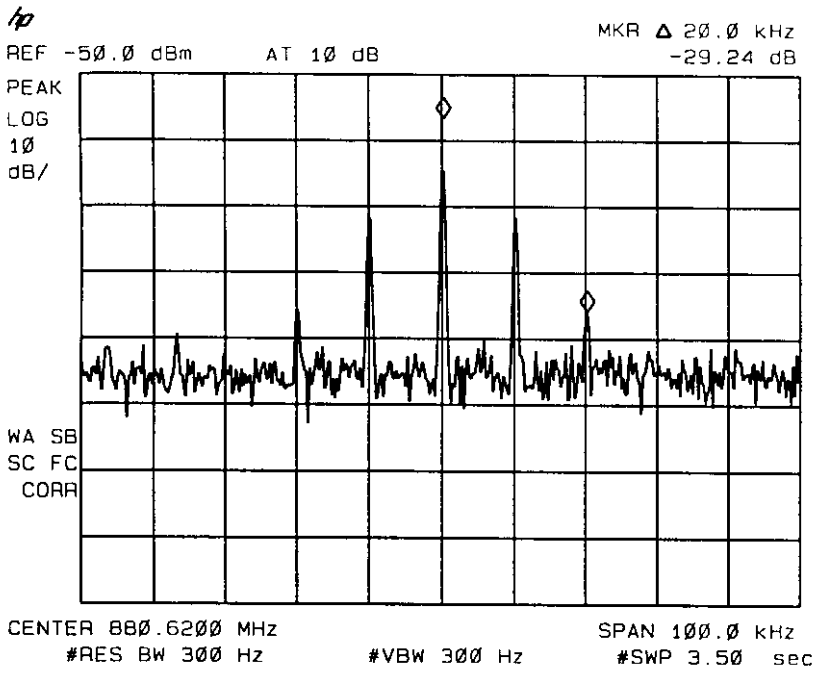
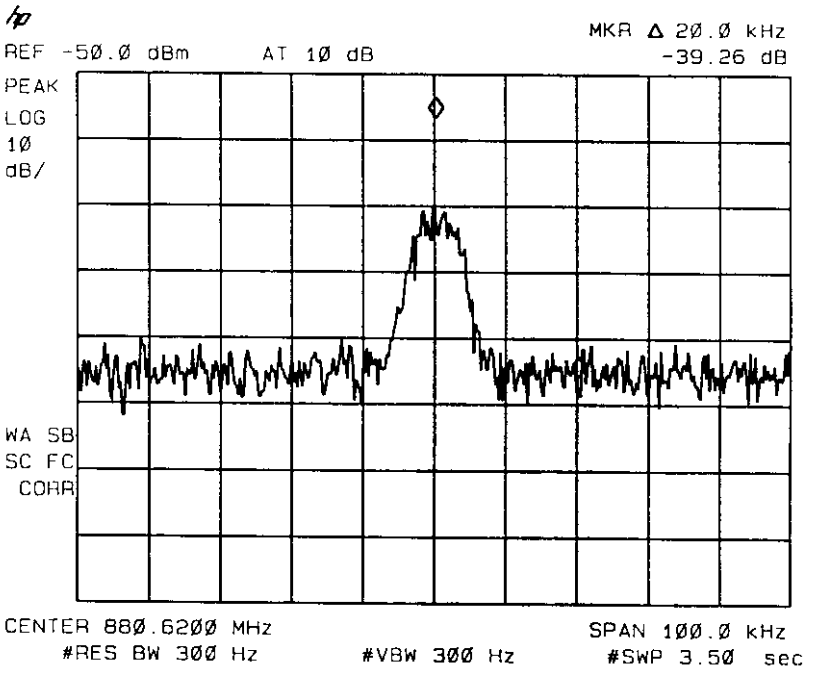
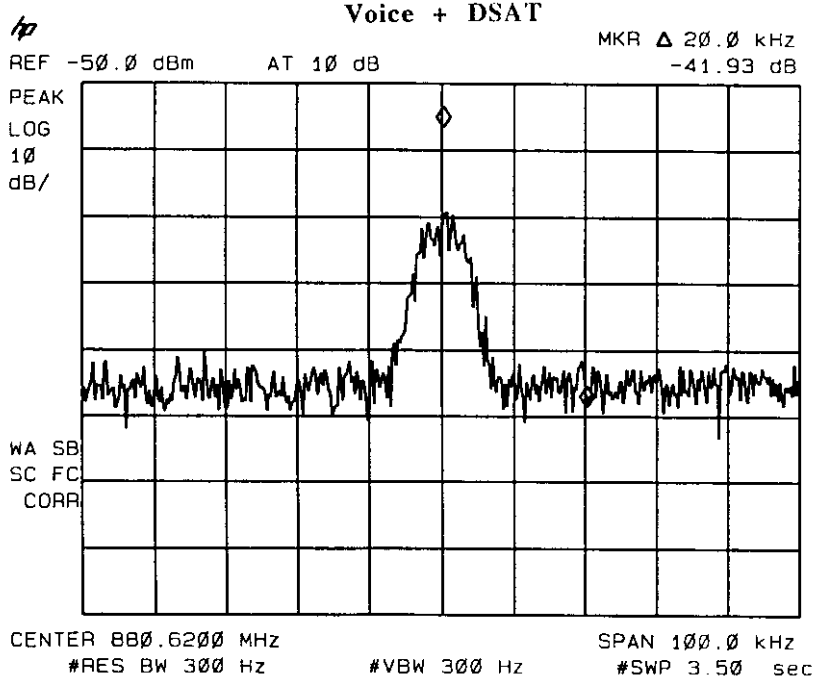
Wide Band Data



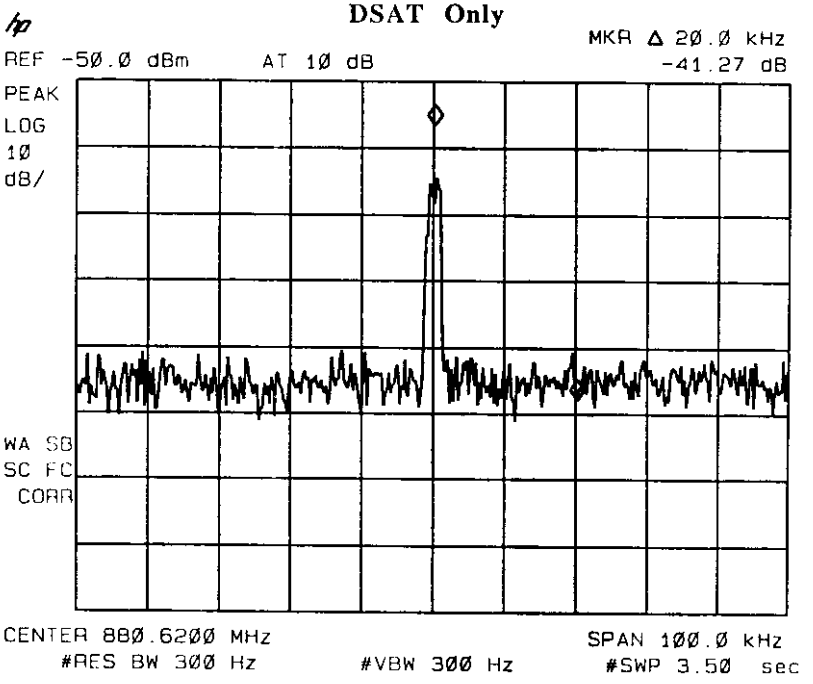
Voice Only



Voice + DSAT



DSAT Only



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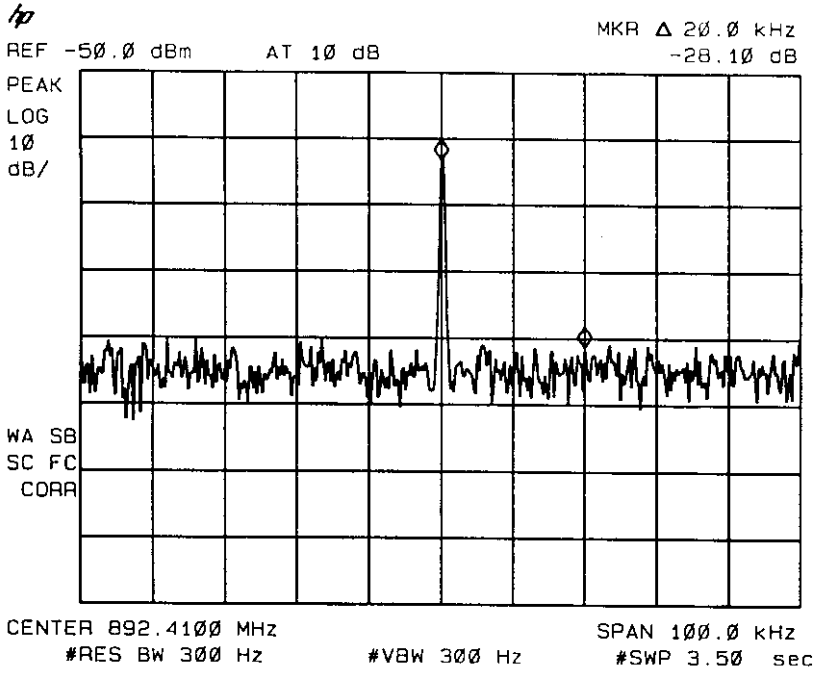
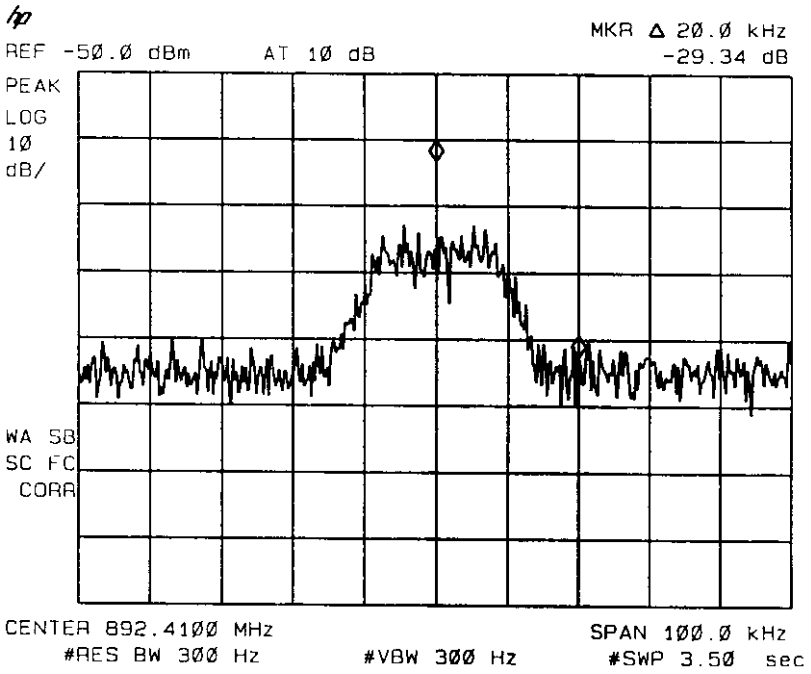
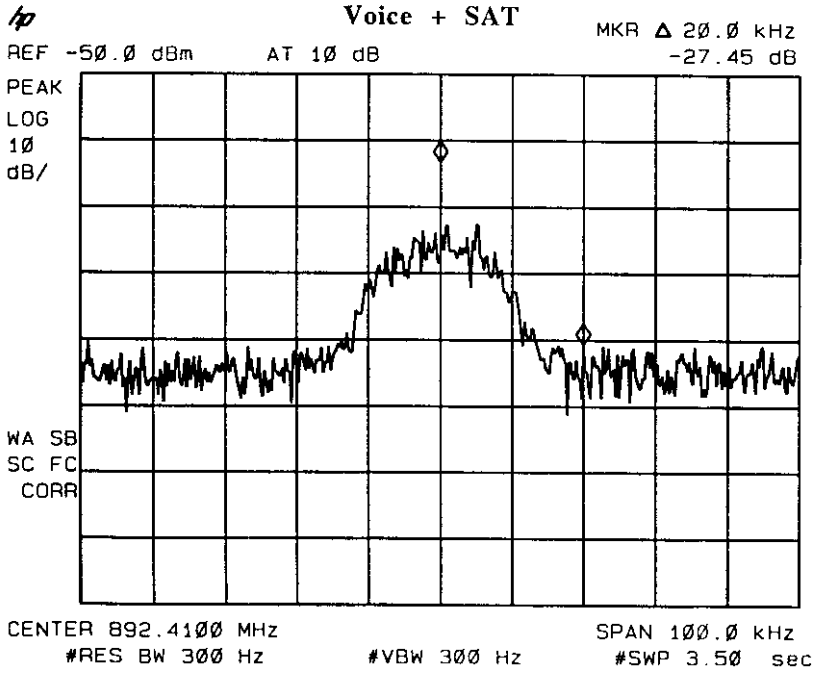


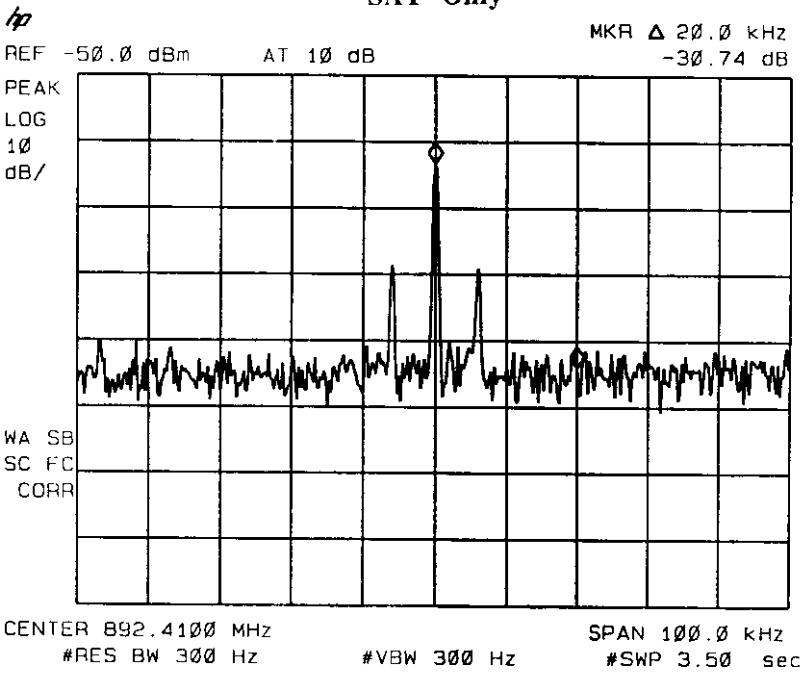
Voice Only



Voice + SAT

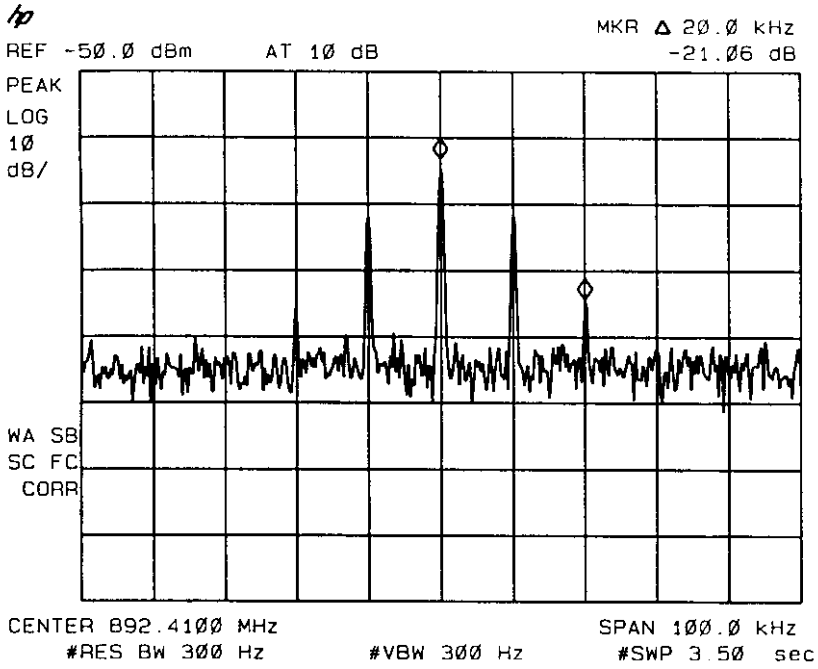


SAT Only

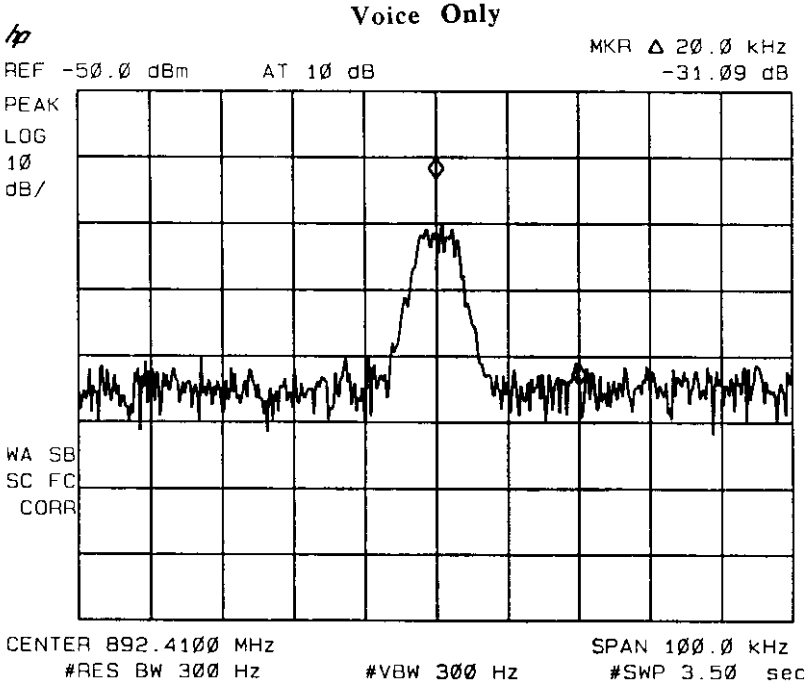


:sate
:4-16-98
15:46:11

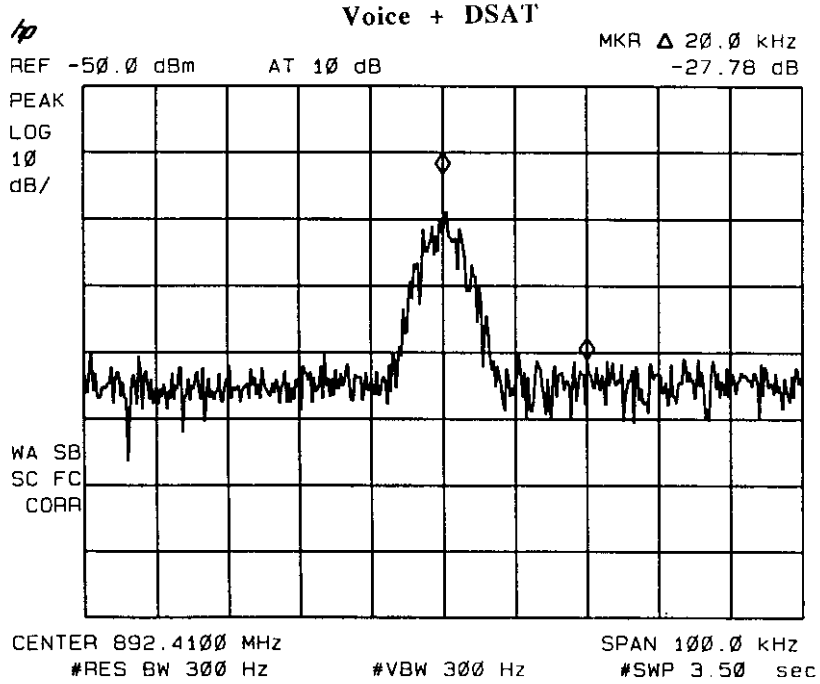
Wide Band Data



Voice Only



Voice + DSAT



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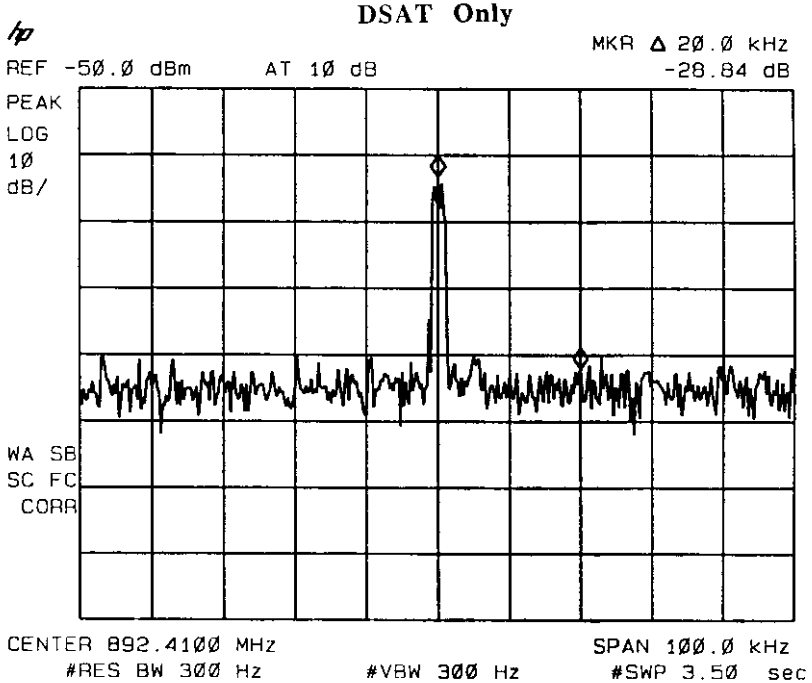


MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

FCC ID: IHET5YE1

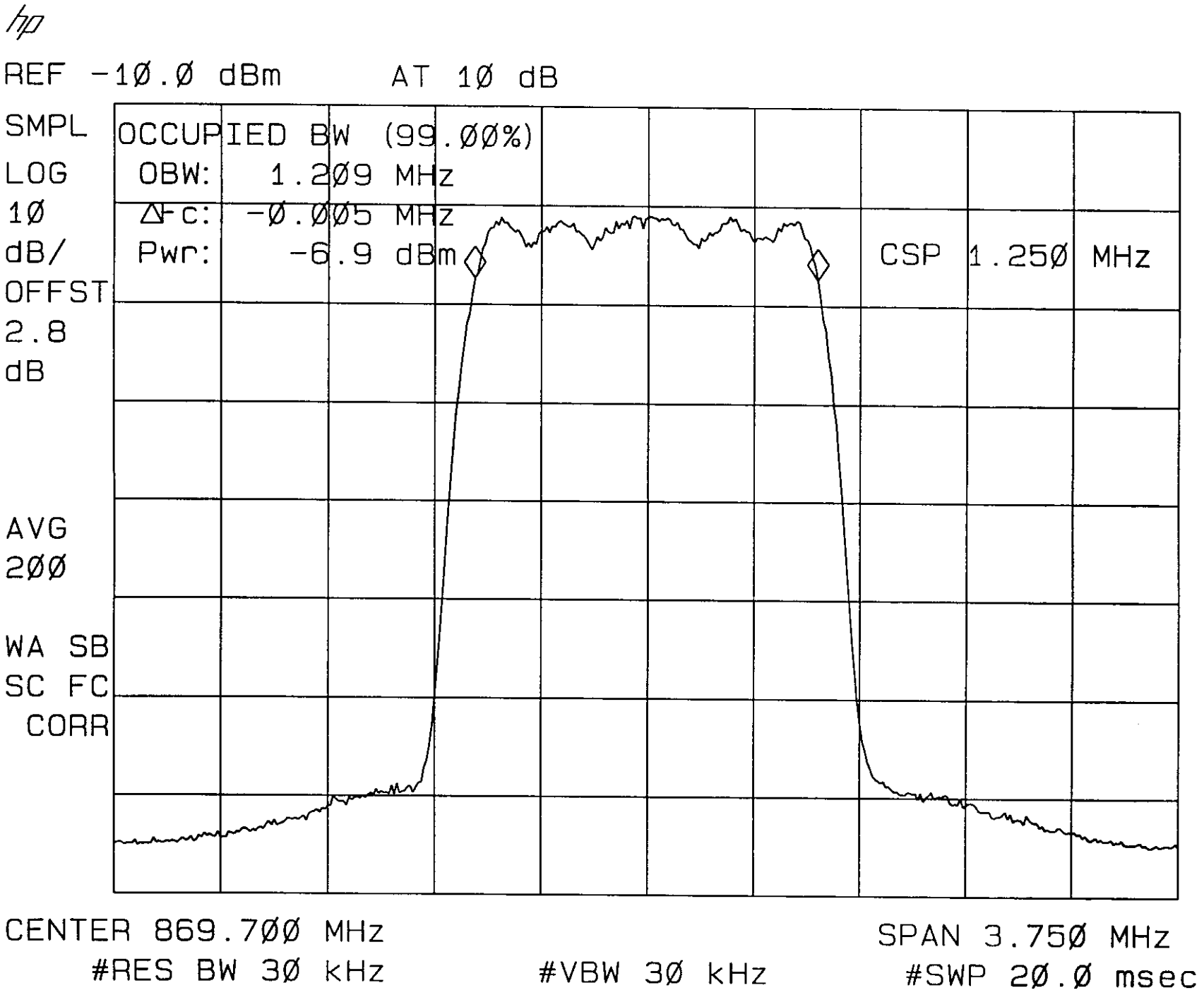
OCCUPIED BANDWIDTH

Channels 1013, 384, 777

Maximum Power

CDMA

btsate
04-16-98
16:44:48



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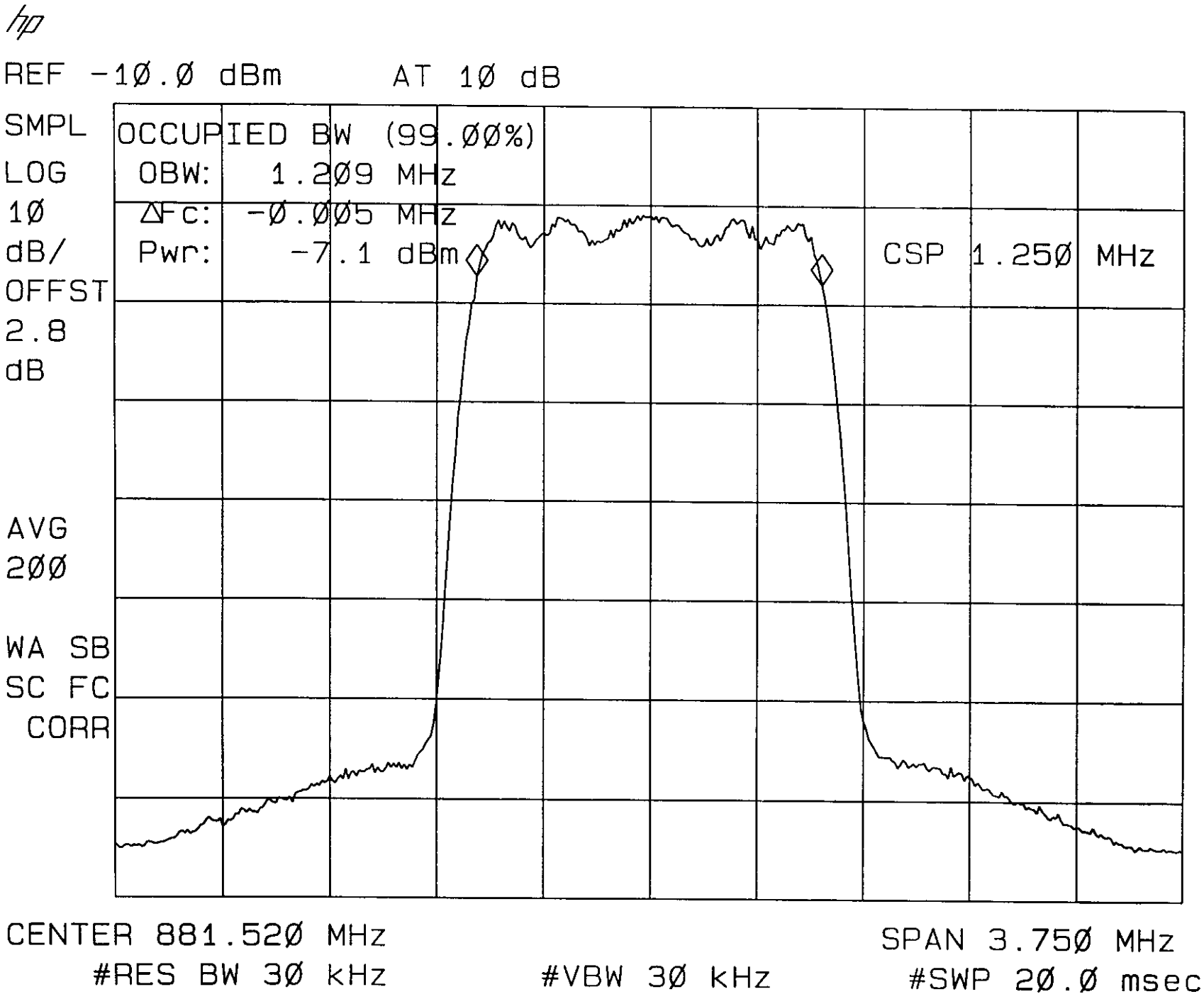
16:44:04



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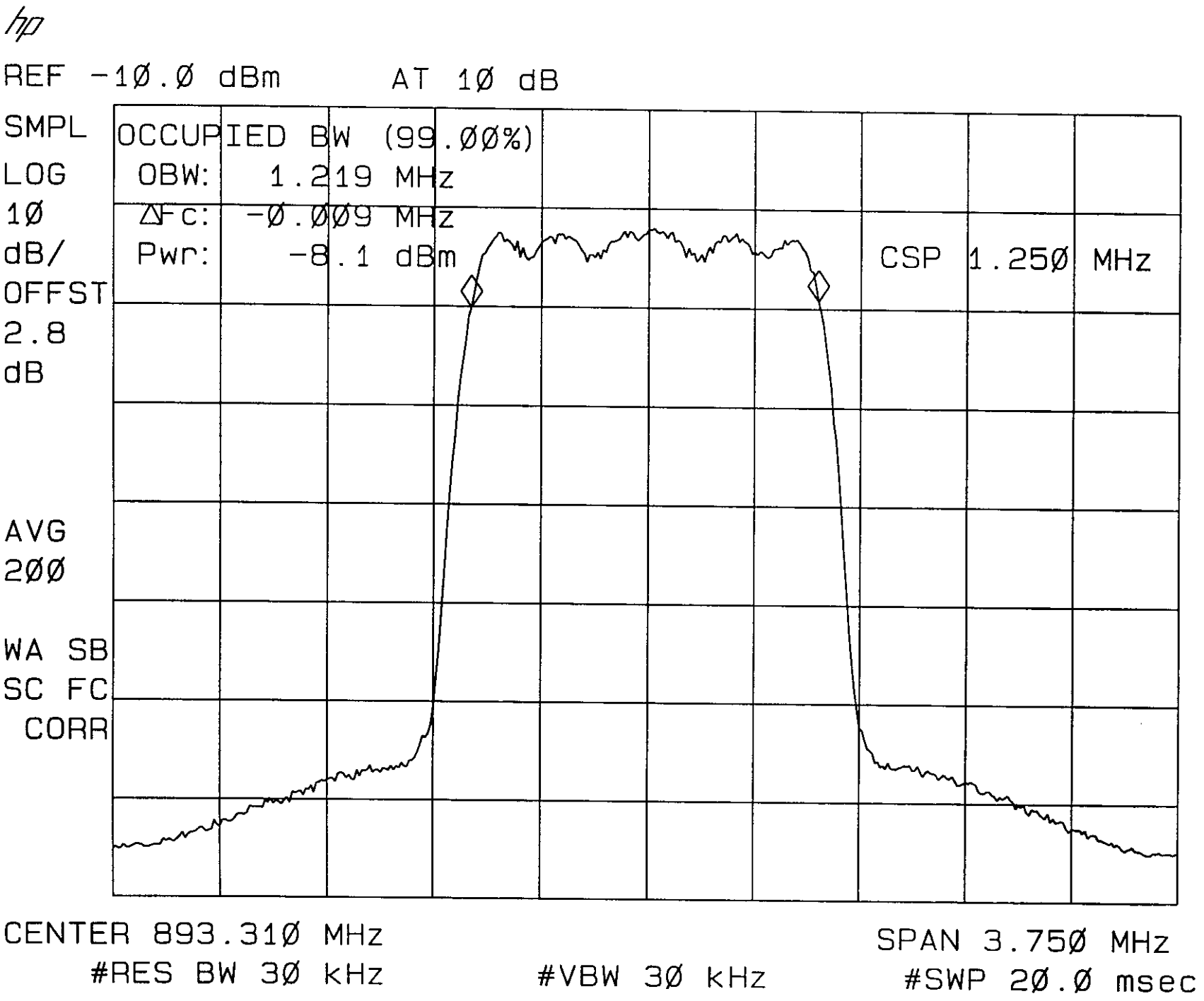
16:45:52



MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

FCC ID: IHET5YE1

OCCUPIED BANDWIDTH

Channels 1013, 354, 777

Minimum Power

CDMA

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04-16-98
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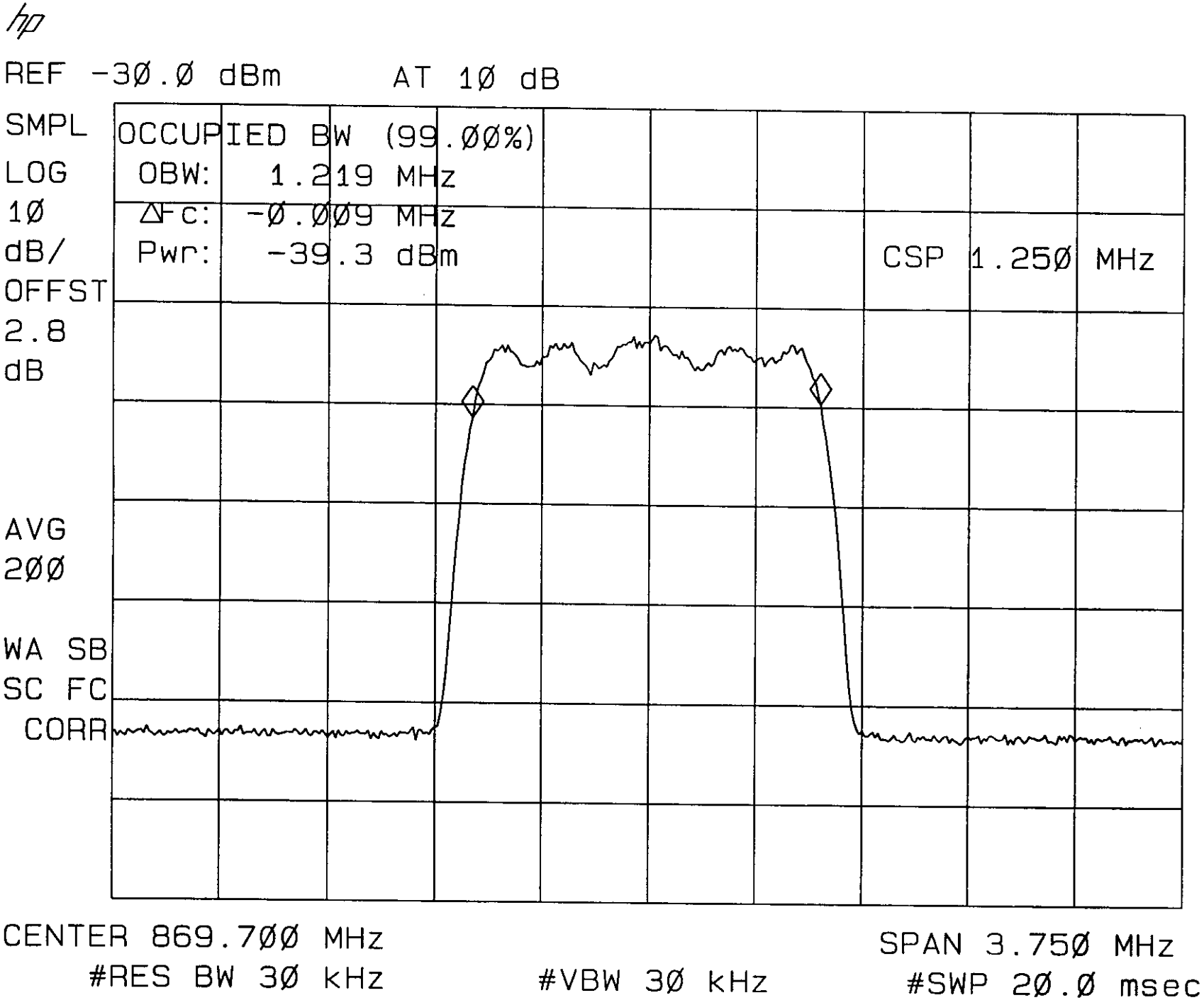

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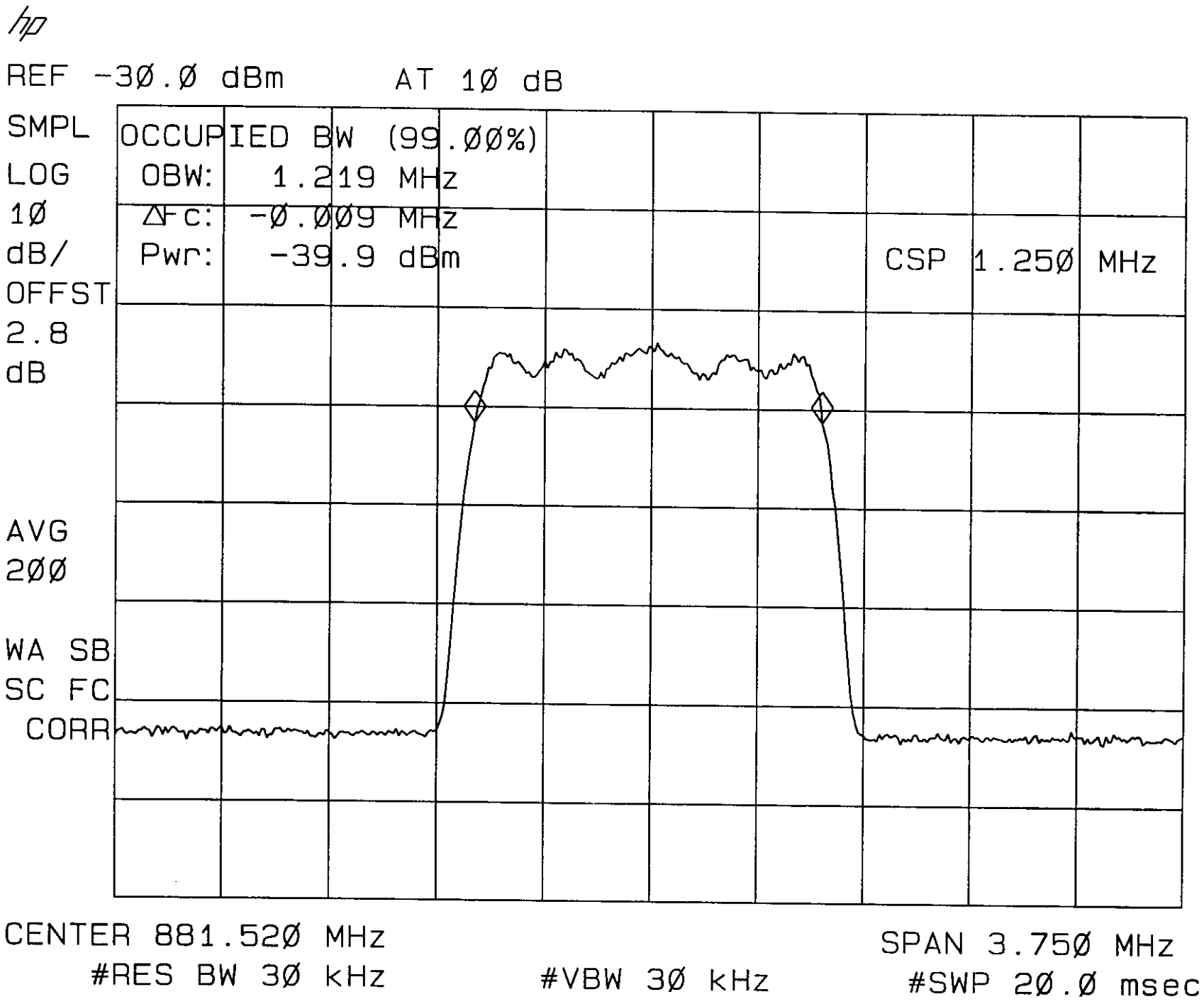

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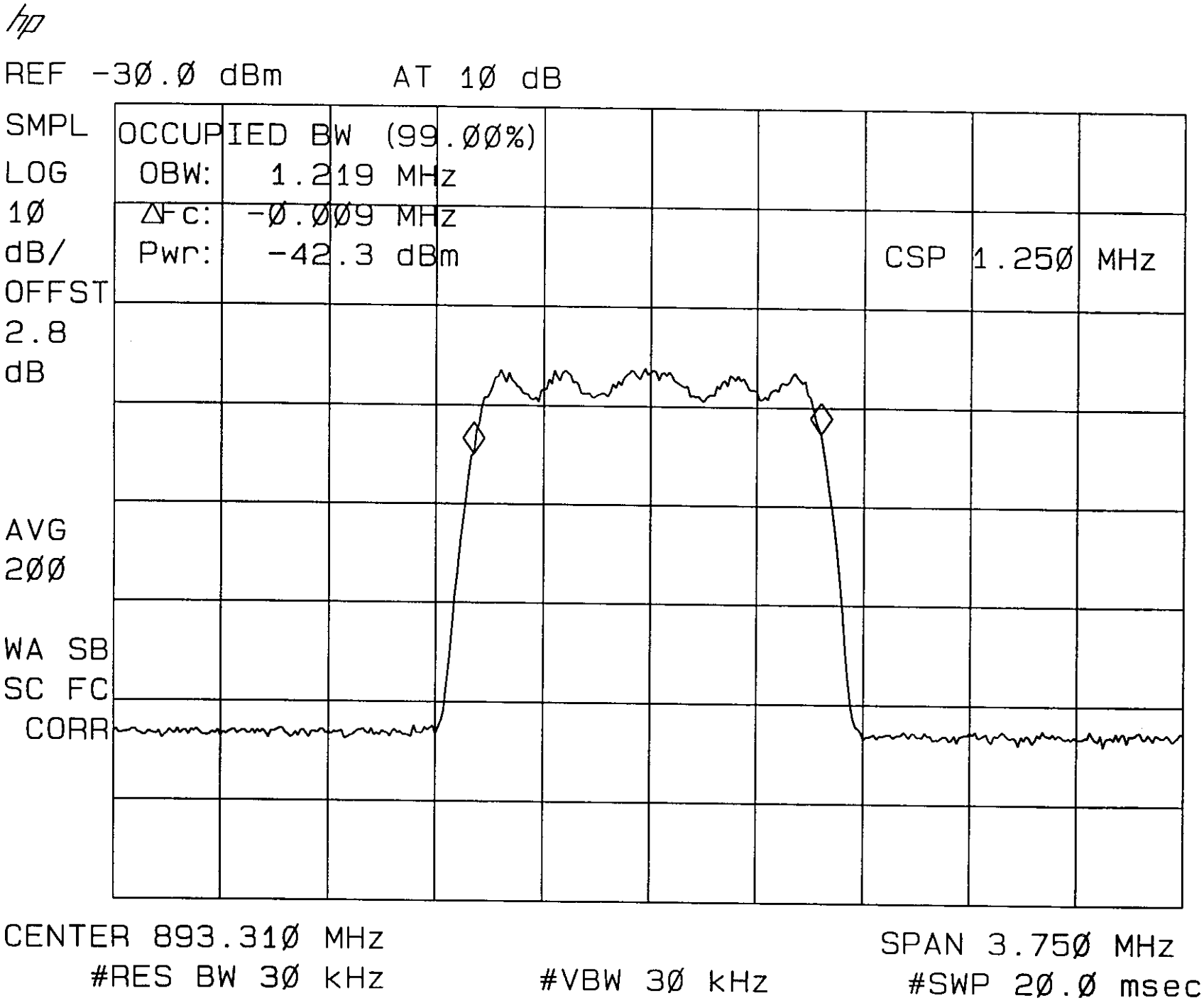

MOTOROLA

Cellular Infrastructure Group
Personal Communications Division

FCC ID: IHET5YE1

EXHIBIT #25

FREQUENCY STABILITY

Frequency Stability Measurements

Applicant: MOTOROLA **Tranceiver Type: IHET5YE1**

The frequency controlling devices in the SC9600 Mixed Mode/Multiple Carrier are designed to very stringent specifications. The voltage controlled ovenized oscillator (19.6608 MHz) from which the frame derives its carrier frequency is specified not to drift more than .005 ppm over temperature. Each oscillator is tested over frequency and voltage to ensure that it meets all specifications.

During standard operating conditions, the GPS receiver is used to send precision pulses to the 19.6608 MHz voltage controlled ovenized oscillator to maintain the correct frequency. If the GPS receiver were to fail and a secondary timing source is not installed in the frame, then the oscillator control voltage is fixed, thus maintaining the last known valid frequency plus any temperature or aging effects. By design, the temperature effects are limited to ±.005 ppm and the daily aging effects are limited to ±.00001 ppm. Therefore, assuming worst case conditions, after loss of the primary timing source the base station frequency shall vary no more than .00501 ppm, which is an order of magnitude within FCC limits.