

Type Acceptance Test Report

Broadband PCS Transceiver

FCC ID: DNY0A5DATA1900

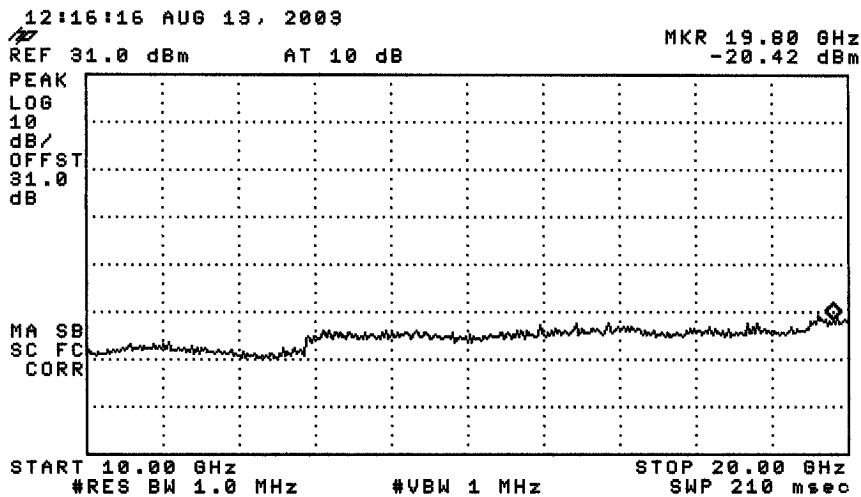
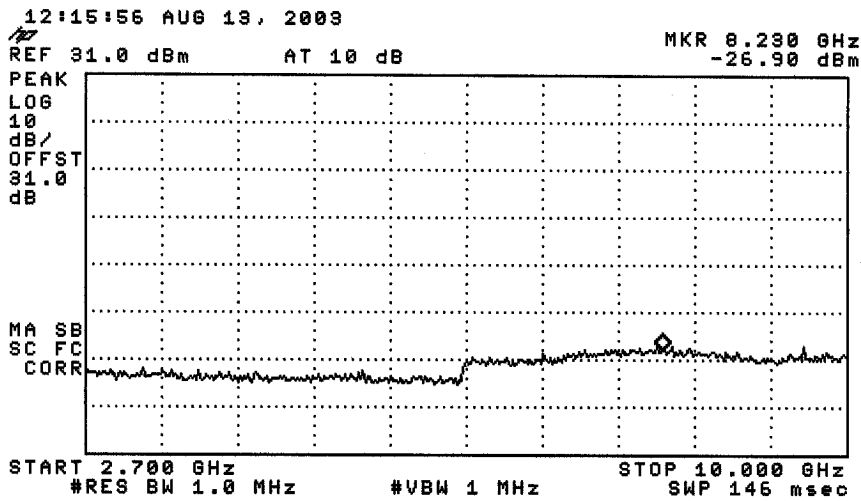
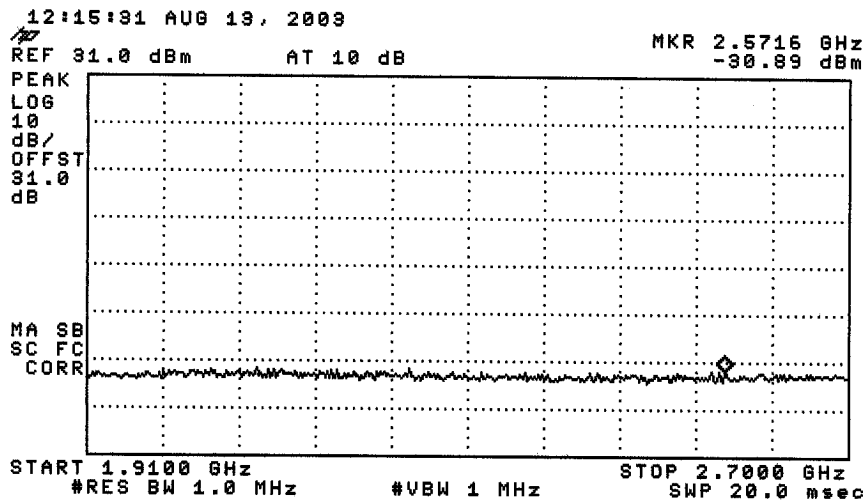
FCC Rule Part: 24

ACS Report Number: 03-0096-24TA

Manufacturer: EMS Wireless
Model: DataNex

Conducted Spurious Emissions

Uplink Low Channel



12:13:45 AUG 19, 2003

REF 31.0 dBm AT 10 dB

MKR 1.2338 GHz
-30.85 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.0000 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 1.5000 GHz
SWP 20.0 msec

12:14:21 AUG 19, 2003

REF 31.0 dBm AT 10 dB

MKR 1.5824 GHz
-30.58 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.5000 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 1.8500 GHz
SWP 20.0 msec

12:14:53 AUG 19, 2003

REF 31.0 dBm AT 10 dB

MKR 1.85218 GHz
-21.39 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.85000 GHz
#RES BW 30 kHz

#VBW 30 kHz

STOP 1.91000 GHz
SWP 197 msec

12:10:15 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 99.00 MHz
-36.00 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 20.00 MHz STOP 100.00 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

12:10:44 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 122.0 MHz
-36.31 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 100.0 MHz STOP 500.0 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

12:11:06 AUG 13, 2003

REF 23.0 dBm AT 10 dB

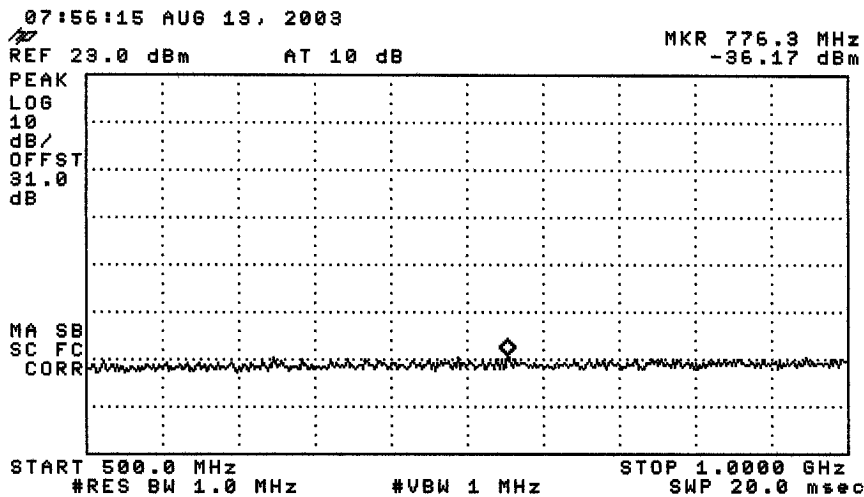
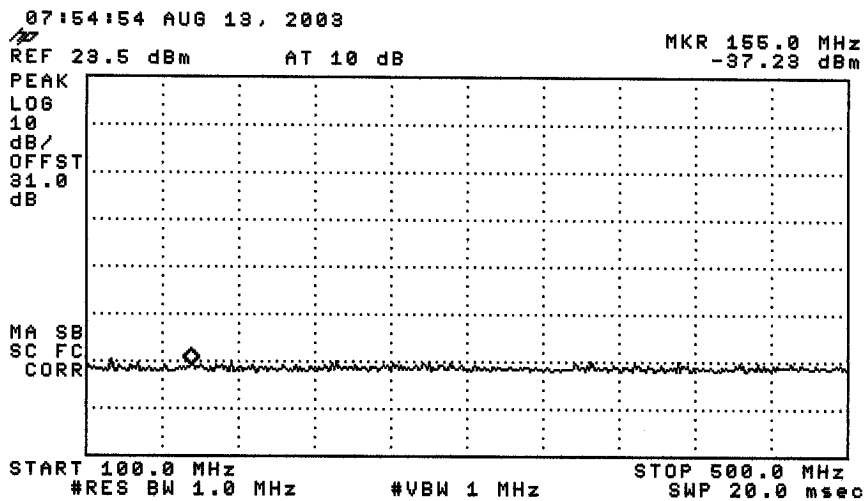
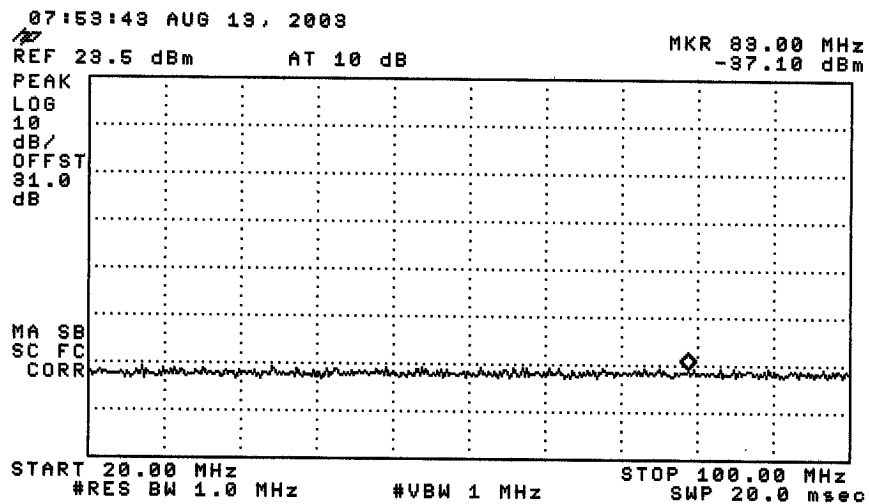
MKR 980.0 MHz
-35.87 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 500.0 MHz STOP 1.0000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

Uplink Middle Channel



07:56:54 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 1.4675 GHz
-35.74 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.0000 GHz #RES BW 1.0 MHz #VBW 1 MHz STOP 1.5000 GHz SWP 20.0 msec

07:57:16 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 1.6558 GHz
-34.73 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.5000 GHz #RES BW 1.0 MHz #VBW 1 MHz STOP 1.8500 GHz SWP 20.0 msec

07:57:59 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 1.87925 GHz
-20.96 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.85000 GHz #RES BW 30 kHz #VBW 30 kHz STOP 1.88000 GHz SWP 100 msec

07:58:30 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 1.88120 GHz
-24.08 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.88000 GHz
#RES BW 30 kHz

#VBW 30 kHz

STOP 1.91000 GHz
SWP 100 msec

07:59:04 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 2.4433 GHz
-34.97 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.9100 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 2.7000 GHz
SWP 20.0 msec

07:59:27 AUG 13, 2003

REF 23.0 dBm AT 10 dB

MKR 9.943 GHz
-26.88 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 2.700 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 10.000 GHz
SWP 146 msec

07:59:56 AUG 19, 2003

REF 23.0 dBm AT 10 dB

MKR 19.90 GHz
-20.98 dBm

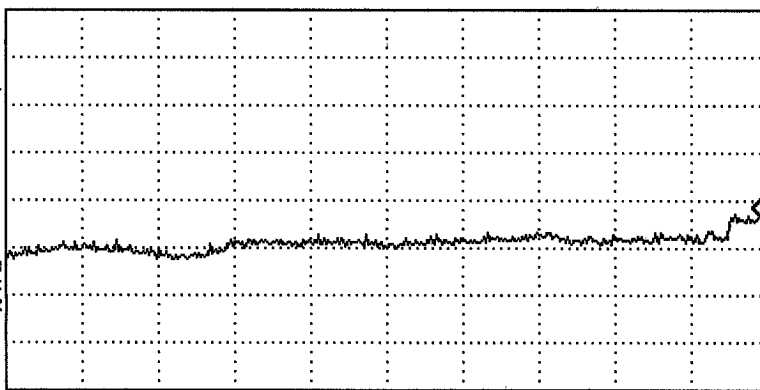
PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

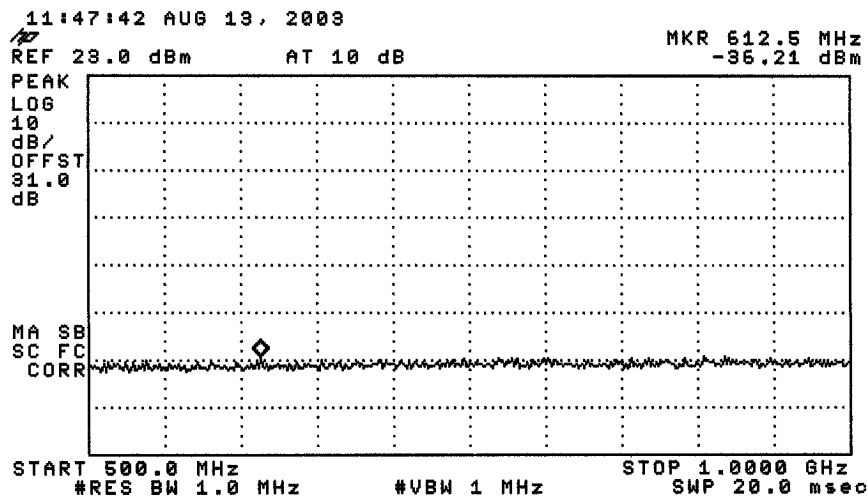
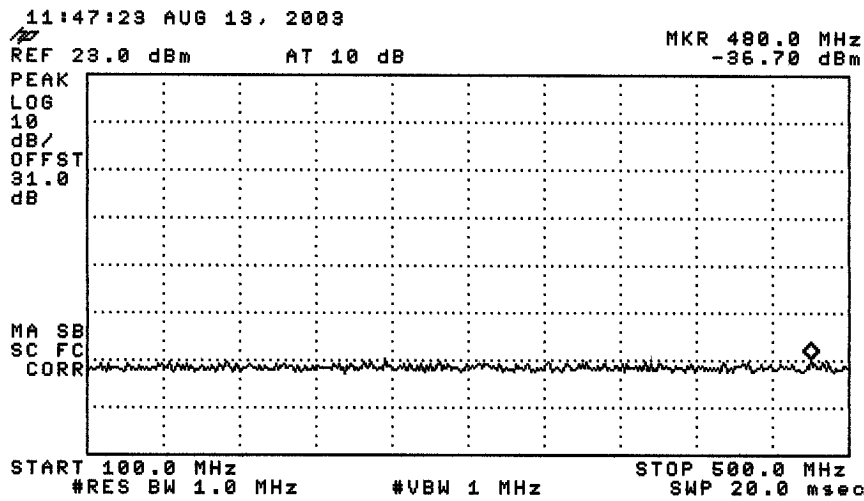
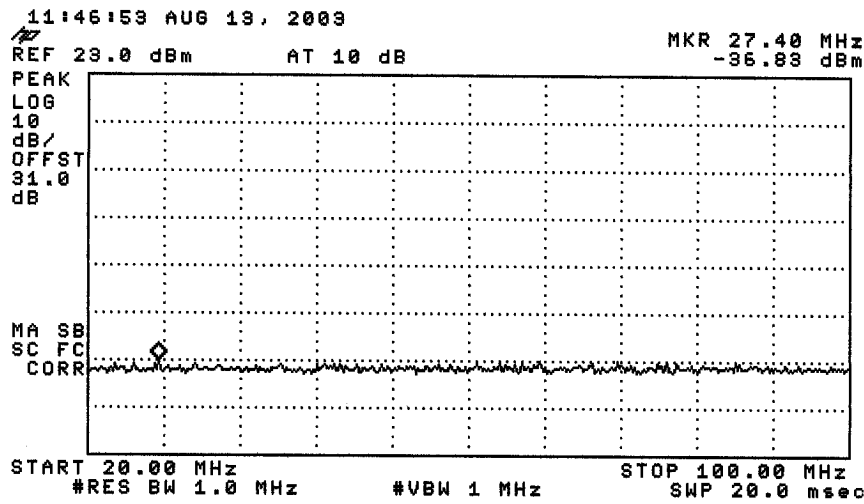
START 10.00 GHz
#RES BW 1.0 MHz

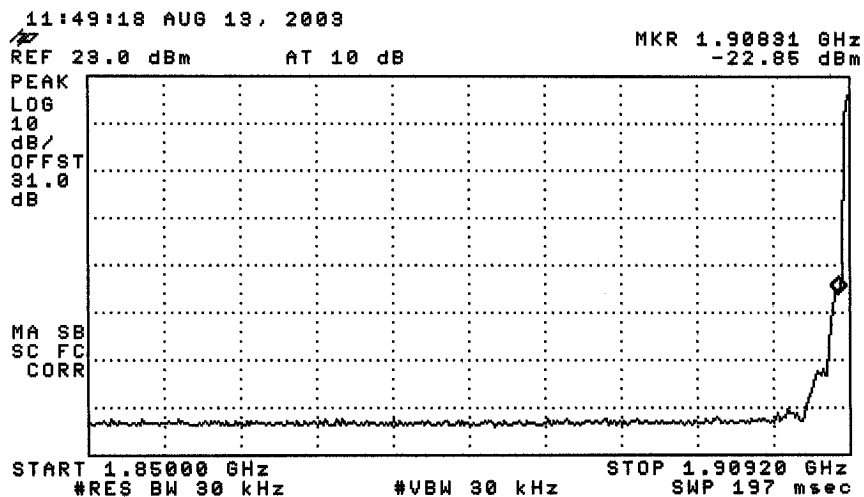
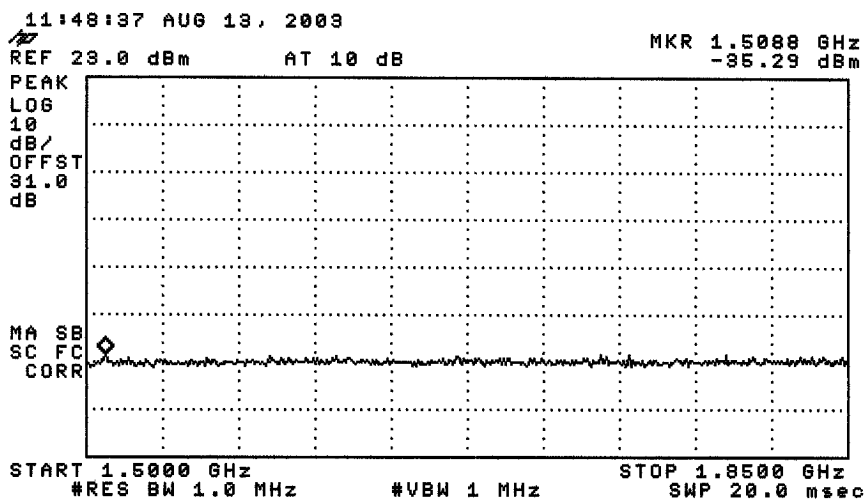
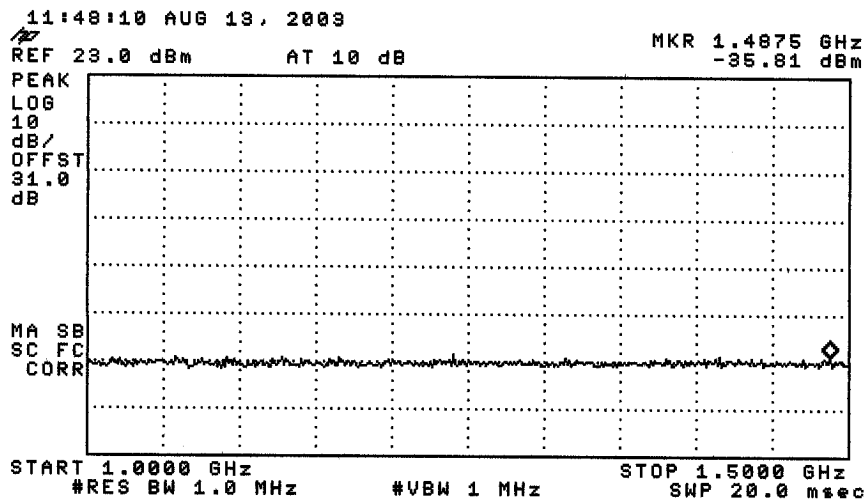
#VBW 1 MHz

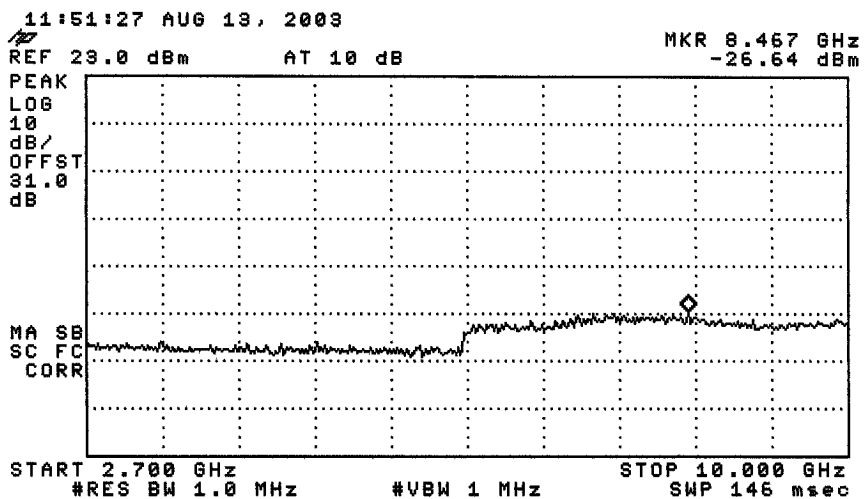
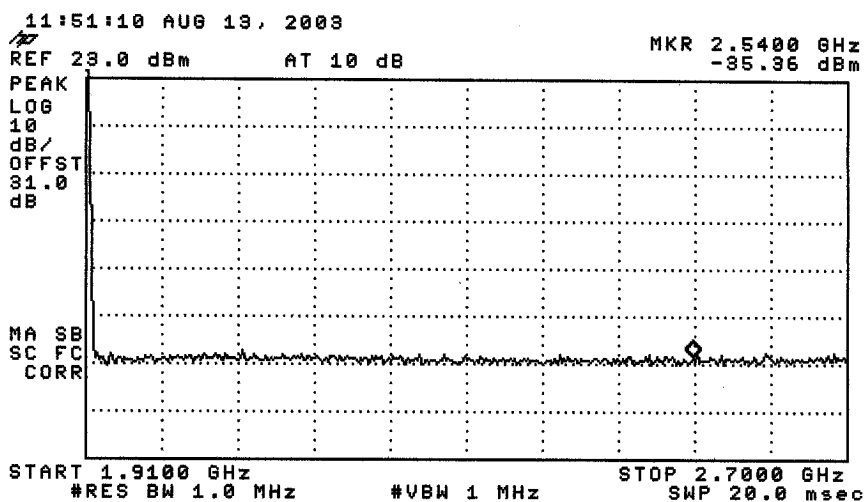
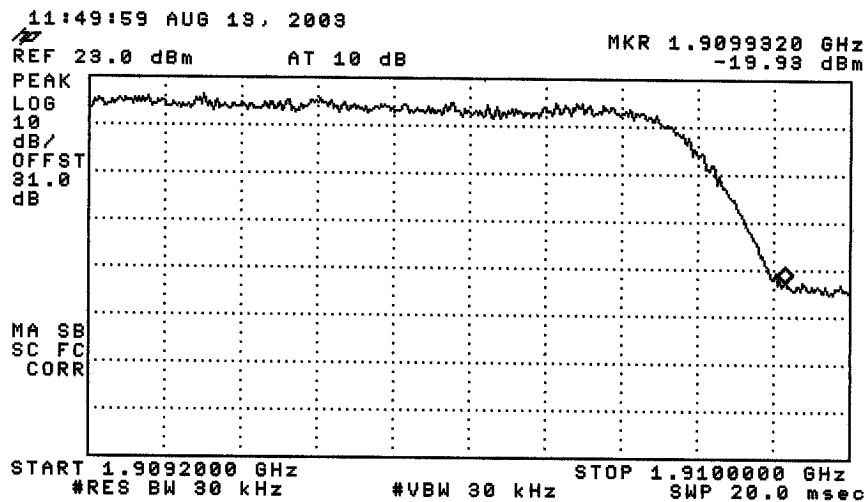
STOP 20.00 GHz
SWP 210 msec



Uplink High Channel







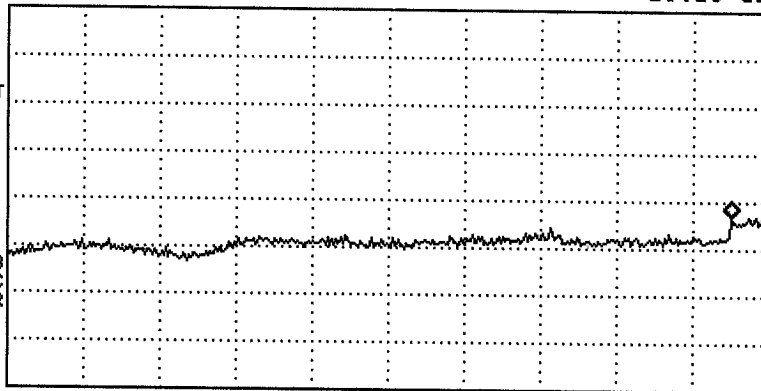
11:51:47 AUG 19, 2003

REF 23.0 dBm AT 10 dB

MKR 19.50 GHz
-20.16 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR



START 10.00 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 20.00 GHz
SWP 210 msec

Downlink Low Channel

07:12:40 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 84.00 MHz
-36.78 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 20.00 MHz STOP 100.00 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

07:13:17 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 296.0 MHz
-36.82 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 100.0 MHz STOP 500.0 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

07:13:44 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 818.7 MHz
-36.28 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 500.0 MHz STOP 1.0000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

07:14:07 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 1.1763 GHz
-35.39 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.0000 GHz STOP 1.5000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

07:15:00 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 1.7720 GHz
-35.53 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.5000 GHz STOP 1.9300 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

07:15:45 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 1.93210 GHz
-28.82 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.93000 GHz STOP 1.99000 GHz
#RES BW 30 kHz #VBW 30 kHz SWP 200 msec

07:16:20 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 2.1036 GHz
-35.02 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.9900 GHz STOP 2.7000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

07:16:44 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 7.682 GHz
-26.27 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 2.700 GHz STOP 10.000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 146 msec

07:17:15 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 19.98 GHz
-19.39 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 10.00 GHz STOP 20.00 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 210 msec

Downlink Middle Channel

10:51:14 AUG 14, 2003

REF 29.5 dBm AT 10 dB

MKR 39.20 MHz
-31.21 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 20.00 MHz STOP 100.00 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

10:51:45 AUG 14, 2003

REF 29.5 dBm AT 10 dB

MKR 147.0 MHz
-34.14 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 100.0 MHz STOP 500.0 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

10:52:05 AUG 14, 2003

REF 29.5 dBm AT 10 dB

MKR 992.5 MHz
-33.69 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 500.0 MHz STOP 1.0000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20.0 msec

10:52:36 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 1.2519 GHz
-31.38 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.0000 GHz #RES BW 1.0 MHz #VBW 1 MHz STOP 1.5000 GHz SWP 20.0 msec

10:53:06 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 1.6494 GHz
-32.23 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.5000 GHz #RES BW 1.0 MHz #VBW 1 MHz STOP 1.9300 GHz SWP 20.0 msec

10:53:44 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 1.95925 GHz
-19.84 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.93000 GHz #RES BW 30 kHz #VBW 30 kHz STOP 1.96000 GHz SWP 100 msec

10:54:22 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 1.95128 GHz
-20.59 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.95000 GHz
#RES BW 30 kHz

#VBW 30 kHz

STOP 1.99000 GHz
SWP 100 msec

10:54:59 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 2.2594 GHz
-25.93 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.9900 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 2.7000 GHz
SWP 20.0 msec

10:55:15 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 7.792 GHz
-26.54 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 2.700 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 10.000 GHz
SWP 146 msec

10:55:44 AUG 14, 2003

REF 29.5 dBm AT 10 dB

MKR 19.60 GHz
-20.13 dBm

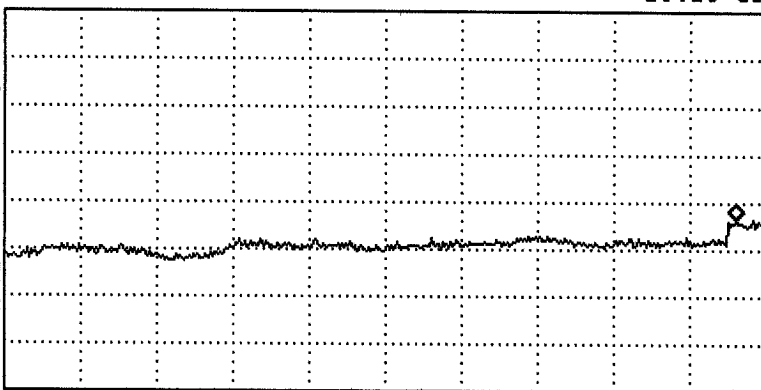
PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 10.00 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

STOP 20.00 GHz
SWP 210 msec

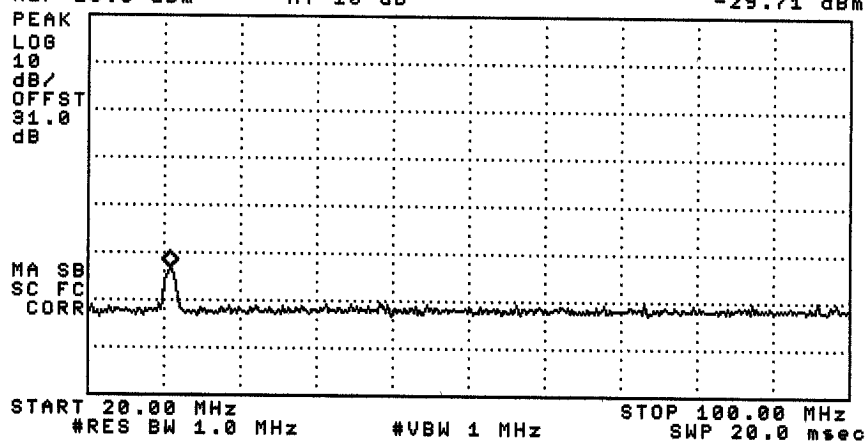


Downlink High Channel

11:46:48 AUG 14, 2003

REF 23.5 dBm AT 10 dB

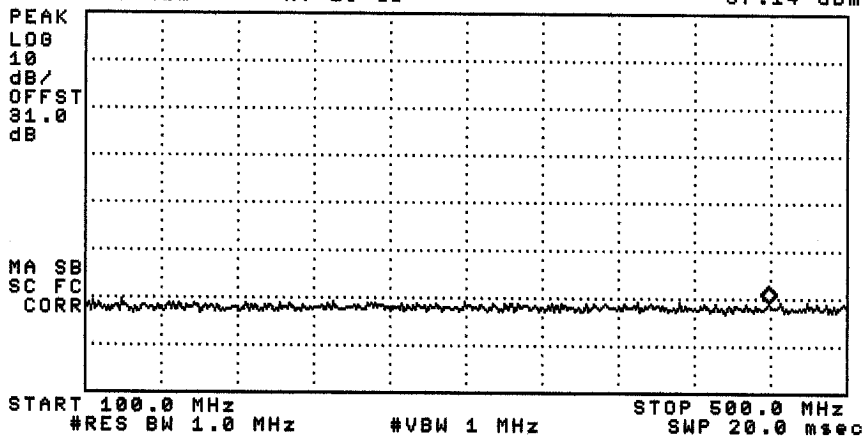
MKR 28.60 MHz
-29.71 dBm



11:47:21 AUG 14, 2003

REF 23.5 dBm AT 10 dB

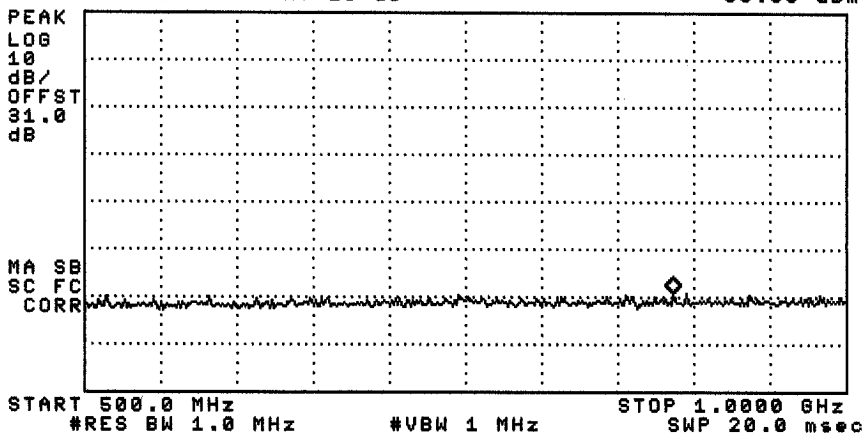
MKR 459.0 MHz
-37.14 dBm



11:47:53 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 886.2 MHz
-35.85 dBm



11:48:28 AUG 14, 2009

REF 23.5 dBm AT 10 dB

MKR 1.4075 GHz
-35.04 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.0000 GHz #RES BW 1.0 MHz #VBW 1 MHz STOP 1.5000 GHz SWP 20.0 msec

11:49:01 AUG 14, 2009

REF 23.5 dBm AT 10 dB

MKR 1.0666 GHz
-35.25 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

MA SB
SC FC
CORR

START 1.5000 GHz #RES BW 1.0 MHz #VBW 1 MHz STOP 1.9300 GHz SWP 20.0 msec

11:49:41 AUG 14, 2009

REF 23.5 dBm AT 10 dB

MKR 1.98895 GHz
-20.83 dBm

PEAK
LOG
10
dB/
OFFST
31.0
dB

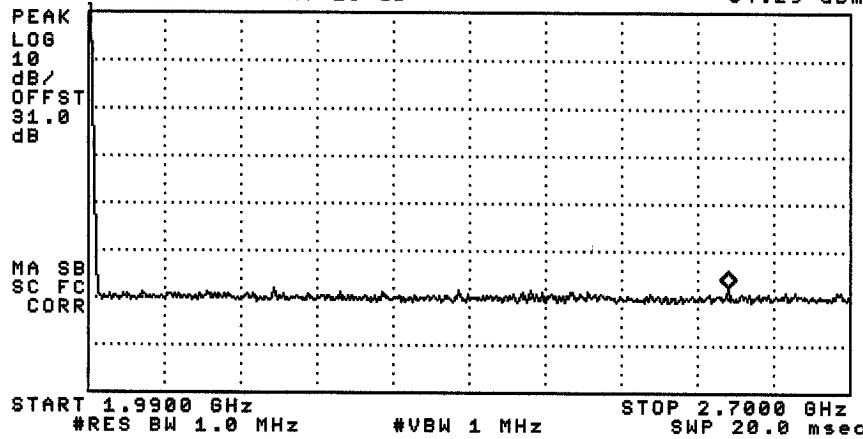
MA SB
SC FC
CORR

START 1.99000 GHz #RES BW 30 kHz #VBW 30 kHz STOP 1.99000 GHz SWP 200 msec

11:50:17 AUG 14, 2003

REF 23.5 dBm AT 10 dB

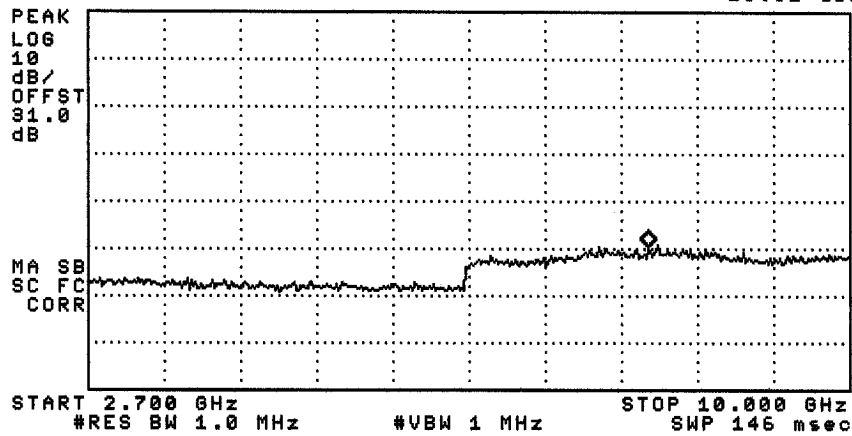
MKR 2.5864 GHz
-34.29 dBm



11:50:44 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 8.065 GHz
-26.01 dBm



11:51:14 AUG 14, 2003

REF 23.5 dBm AT 10 dB

MKR 20.00 GHz
-19.97 dBm

