

Type Acceptance Test Report

**Multimode PCS Repeater
FCC Rule Parts: 2, 15 & 24**

ACS Report Number: 03-0089-24TA

Manufacturer: EMS Wireless

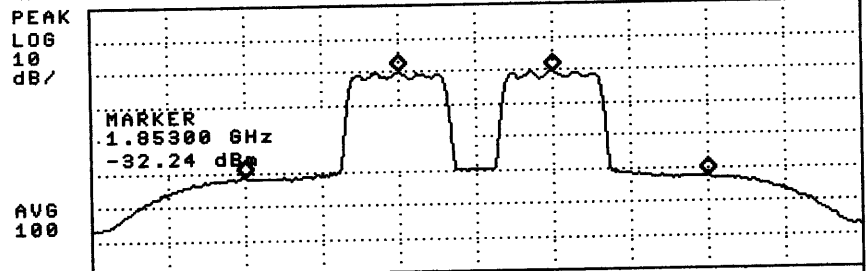
Model: Link2Cell

FCC ID: DNY0B2L2C1900

Appendix A

**Conducted Spurious Emission Plots
Downlink Transmission Path**

09:23:51 APR 14, 2003 *CDMA* MKR 1.85300 GHz
 REF 20.5 dBm AT 40 dB -32.24 dBm



MARKER
 Δ

MARKER
 AMPTD

SELECT
 1 2 3 4

Marker	Trace	Type	Freq / Time	Amplitude
1:	(A)	Freq	1847.00 MHz	-31.20 dBm
2:	(A)	Freq	1849.00 MHz	0.34 dBm
3:	(A)	Freq	1851.00 MHz	-0.03 dBm
4:	(A)	Freq	1853.00 MHz	-32.24 dBm

MARKER 4
 ON OFF

More
 1 of 2

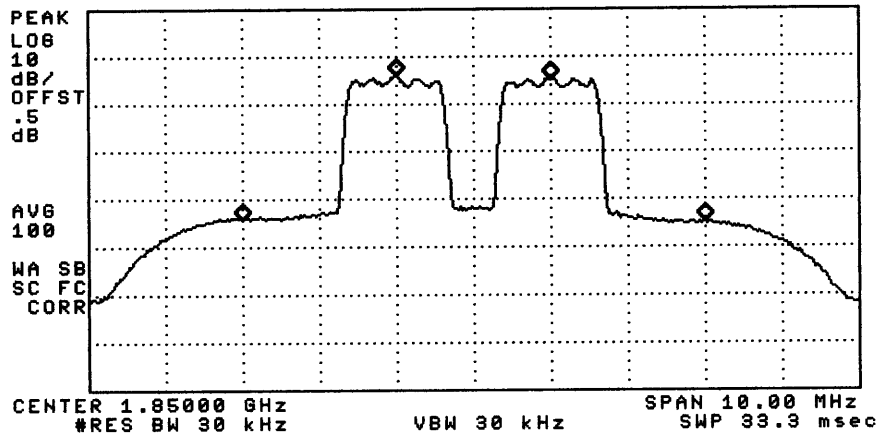
CENTER 1.85000 GHz SPAN 10.00 MHz
 #RES BW 30 kHz VBW 30 kHz SWP 33.3 msec

13:49:45 APR 16, 2003

REF 15.0 dBm AT 30 dB

CDMA

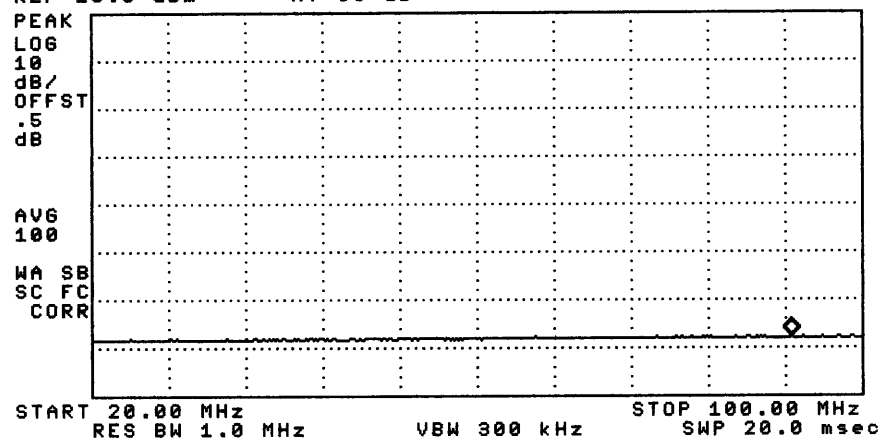
MKR 1.85300 GHz
-29.72 dBm



13:50:25 APR 16, 2003

REF 15.0 dBm AT 30 dB

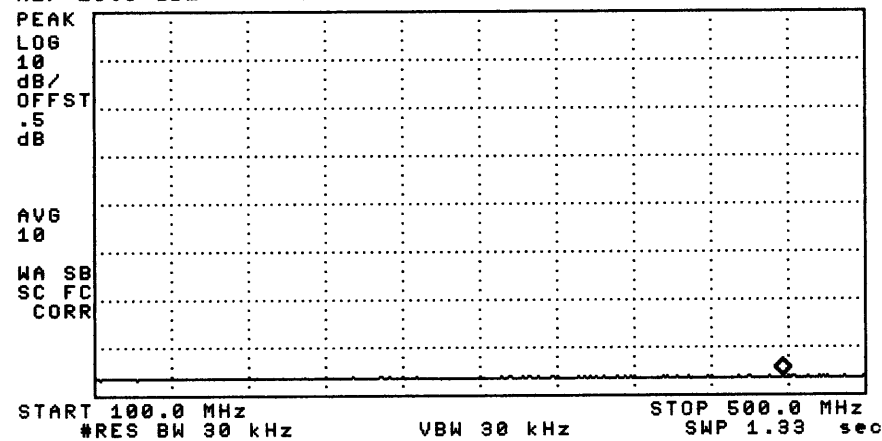
MKR 92.60 MHz
-52.79 dBm

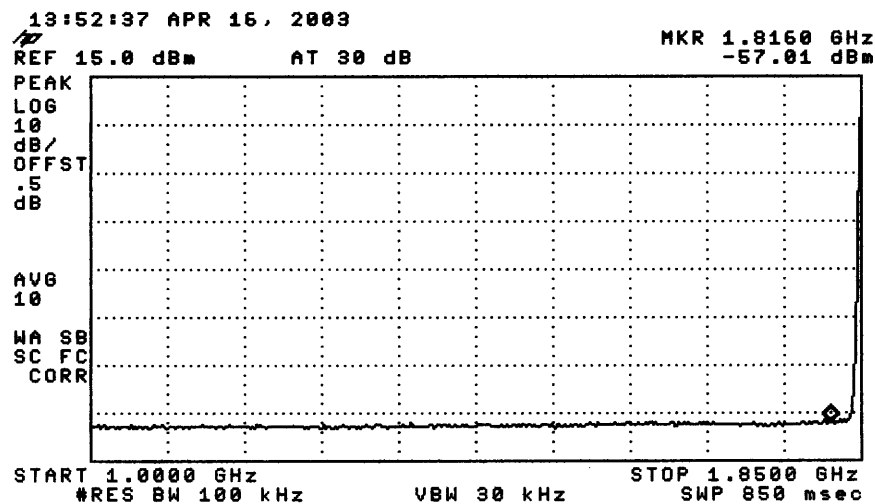
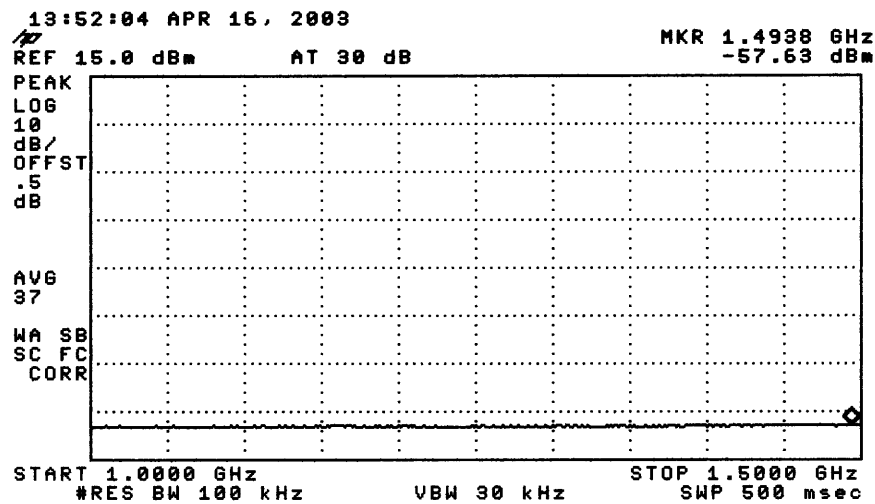
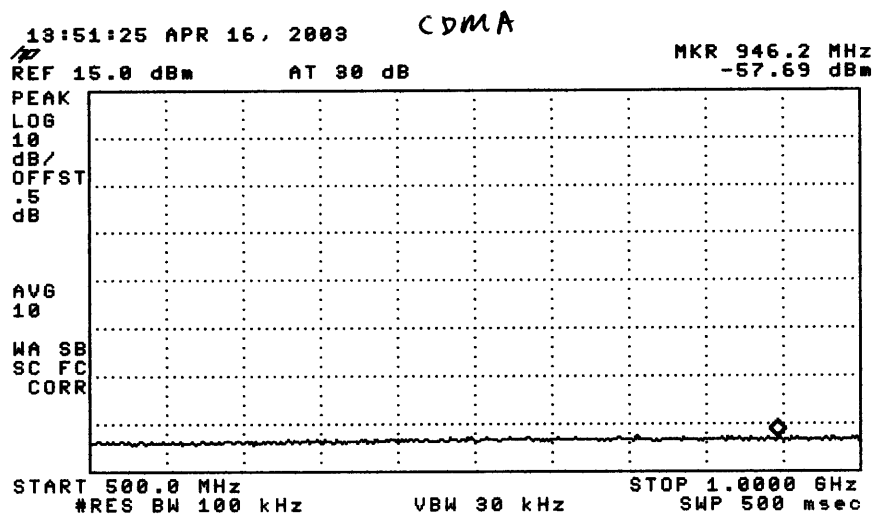


13:51:00 APR 16, 2003

REF 15.0 dBm AT 30 dB

MKR 457.0 MHz
-61.19 dBm



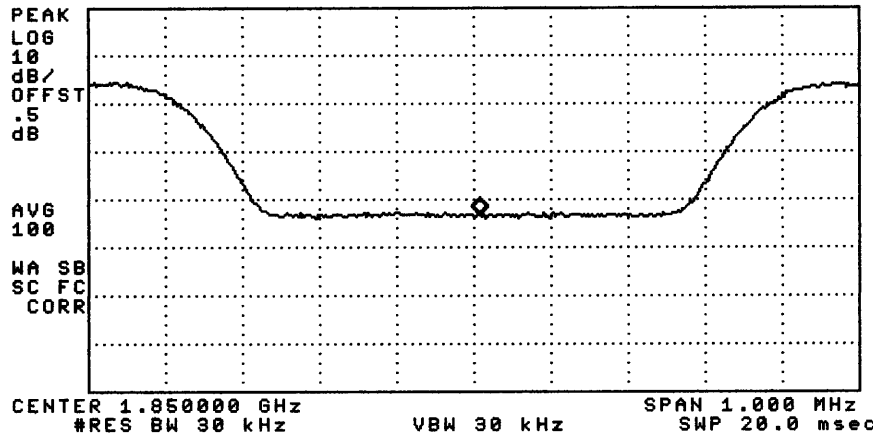


13:53:08 APR 16, 2003

CDMA

REF 15.0 dBm AT 30 dB

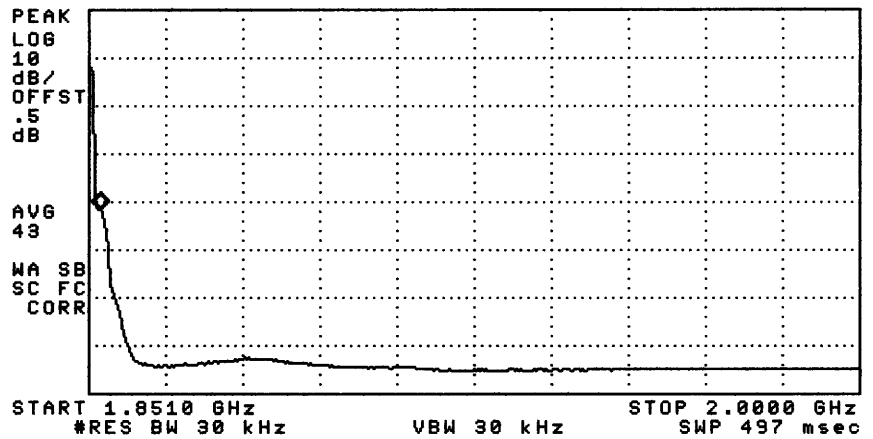
MKR 1.850008 GHz
-28.25 dBm



13:53:58 APR 16, 2003

REF 15.0 dBm AT 30 dB

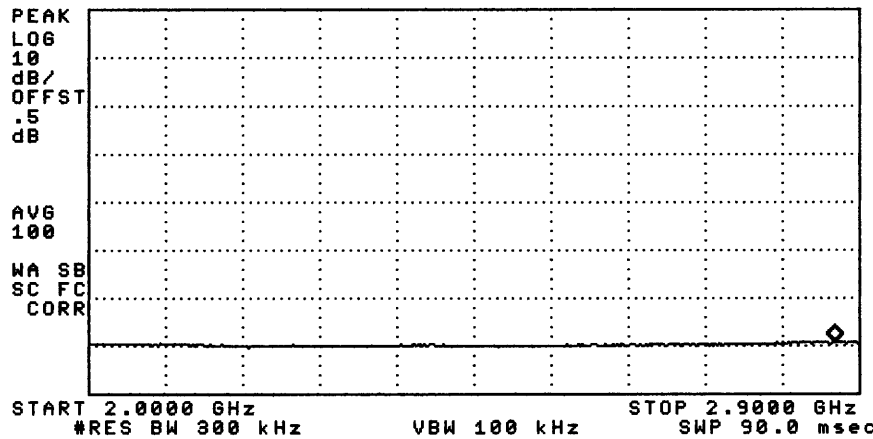
MKR 1.8532 GHz
-26.74 dBm

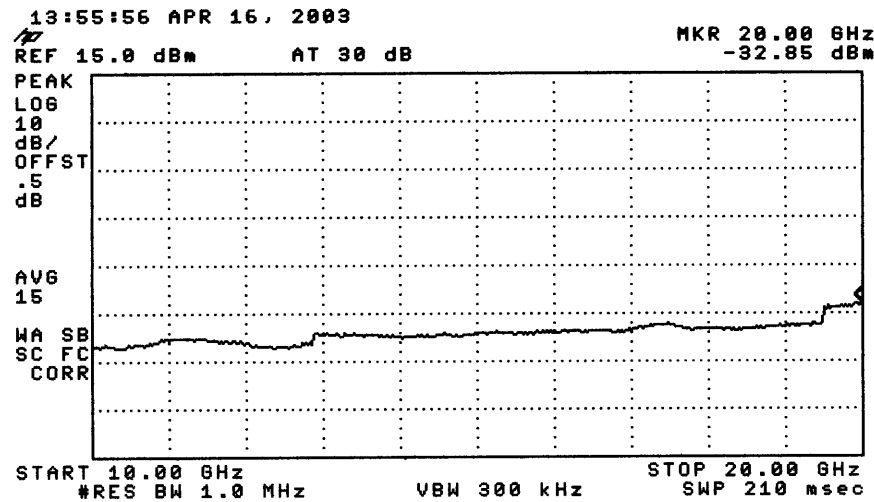
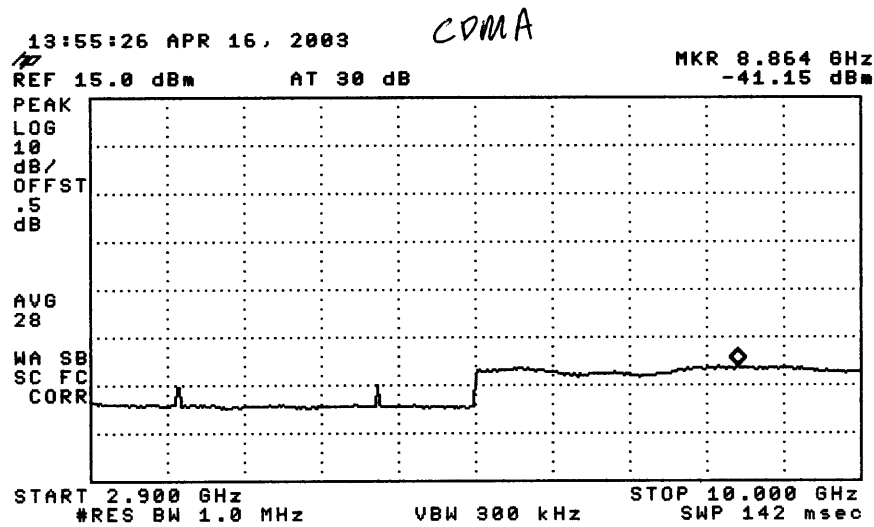


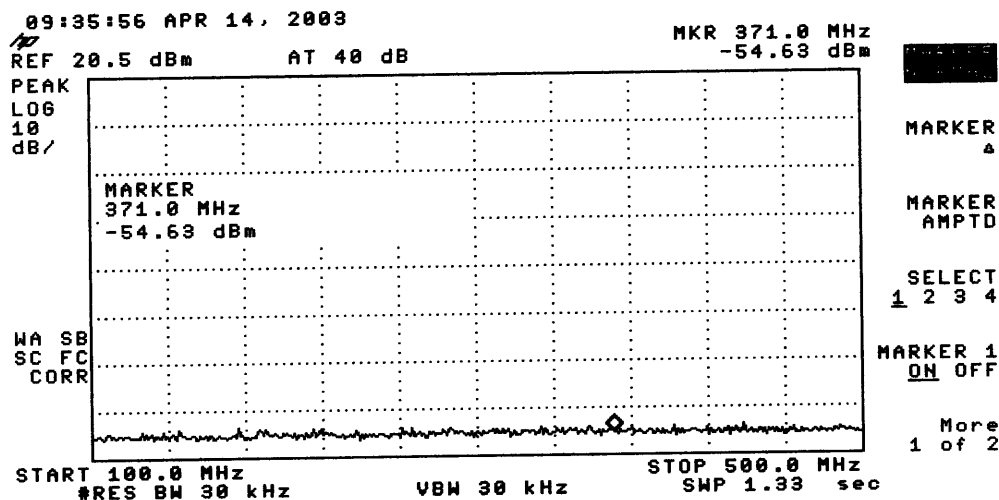
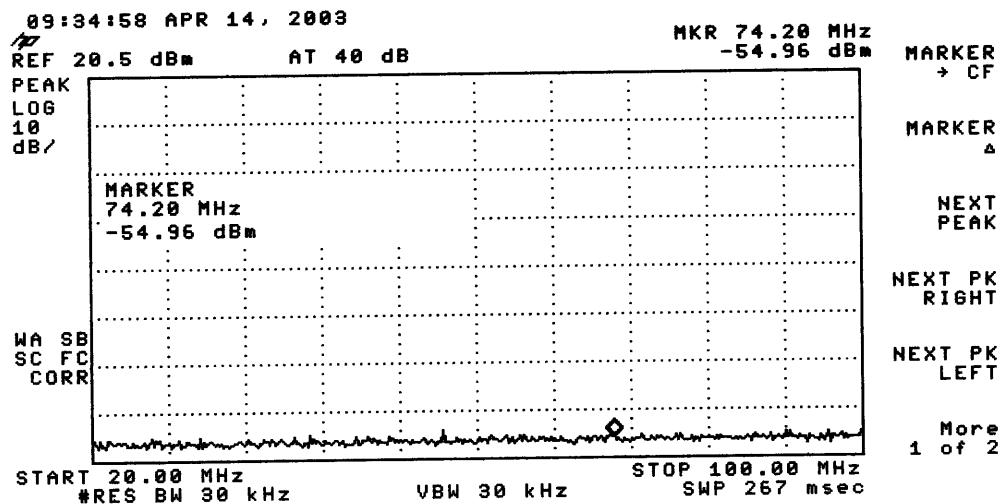
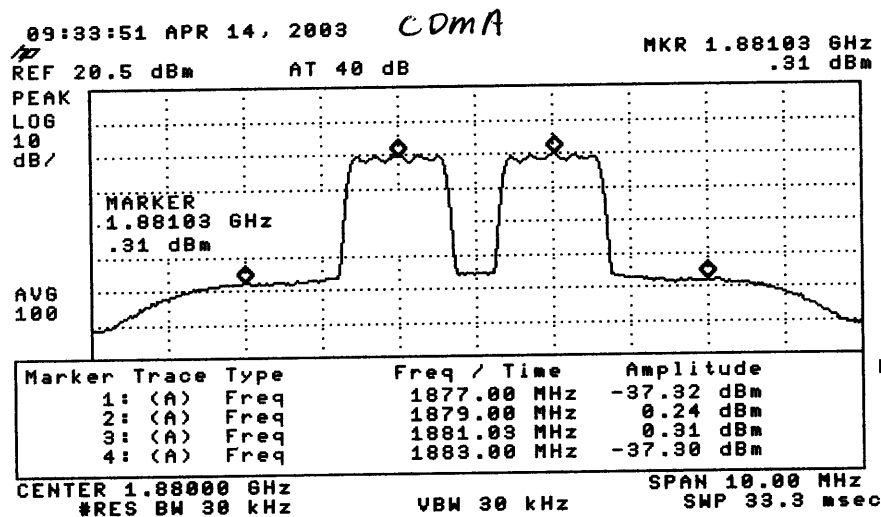
13:54:50 APR 16, 2003

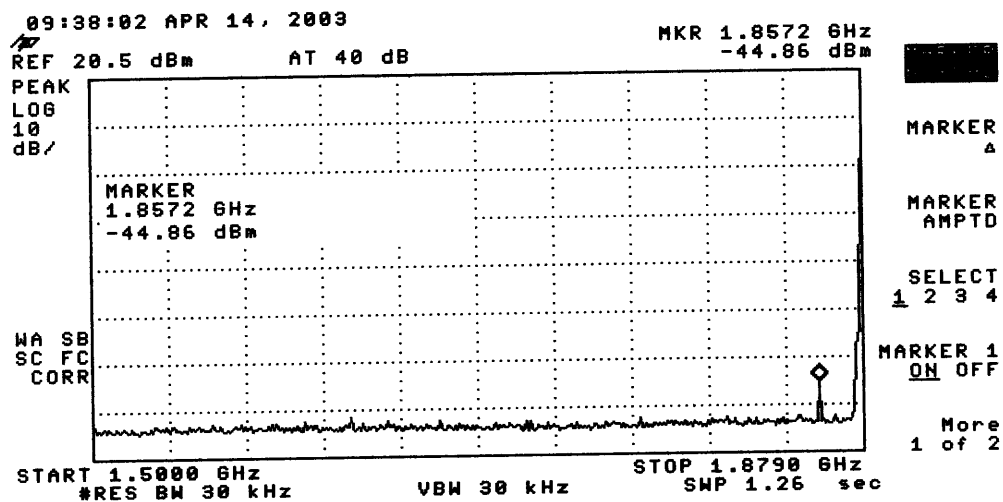
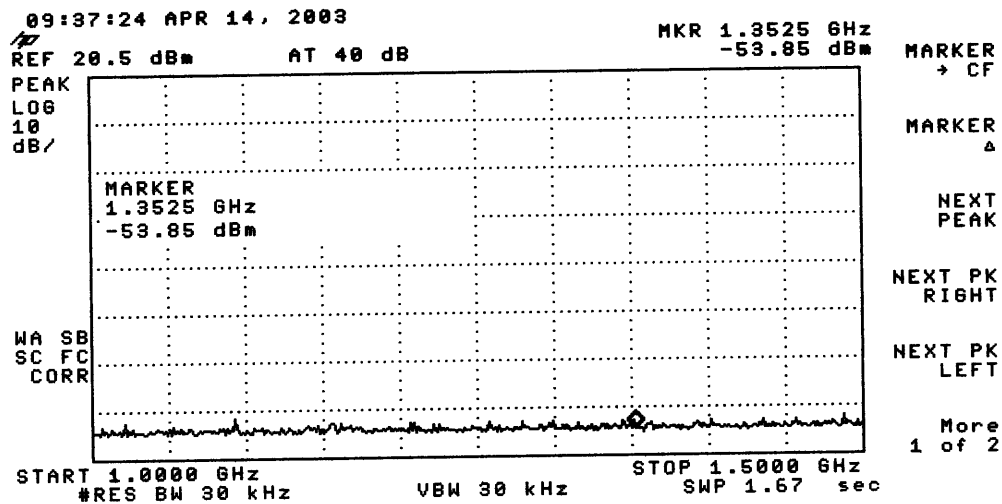
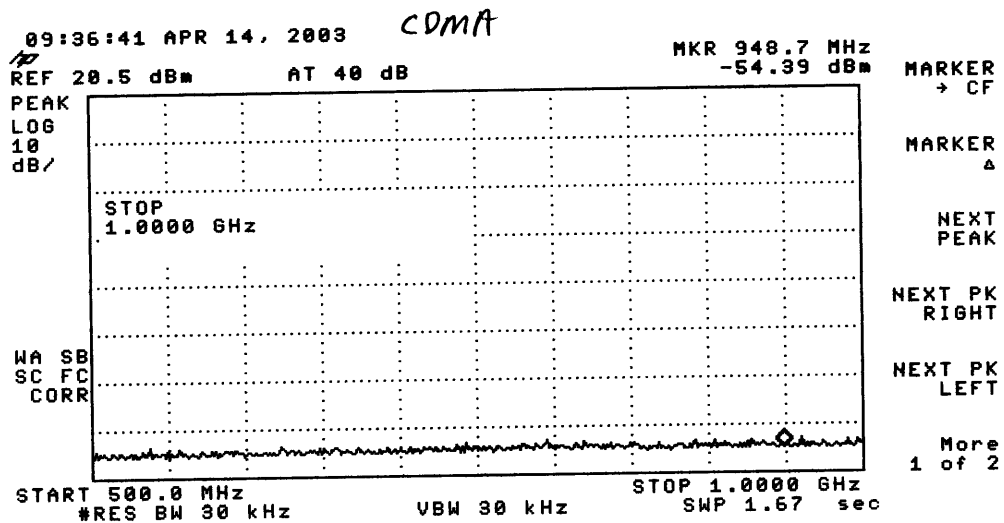
REF 15.0 dBm AT 30 dB

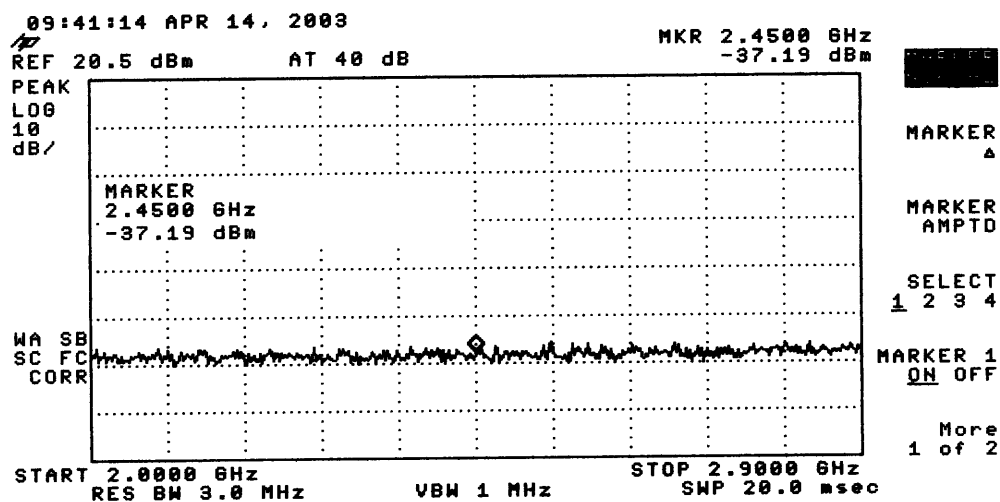
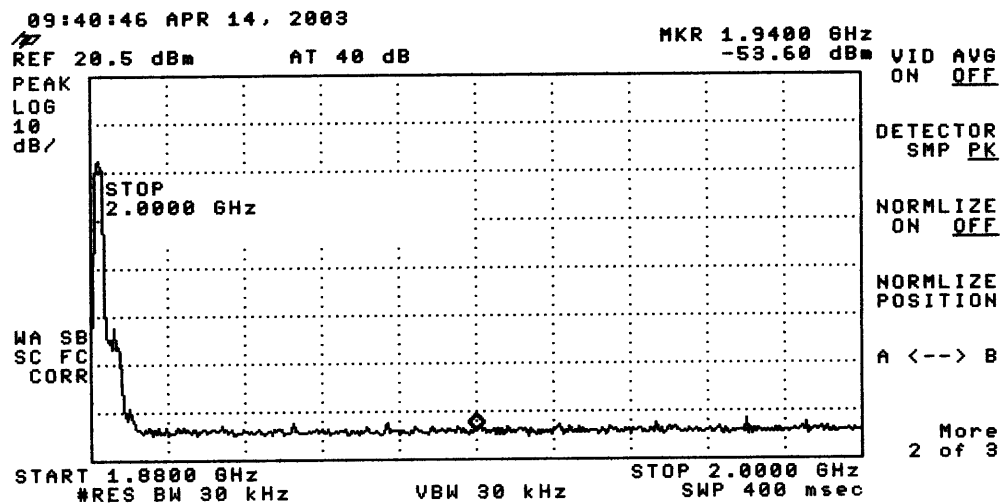
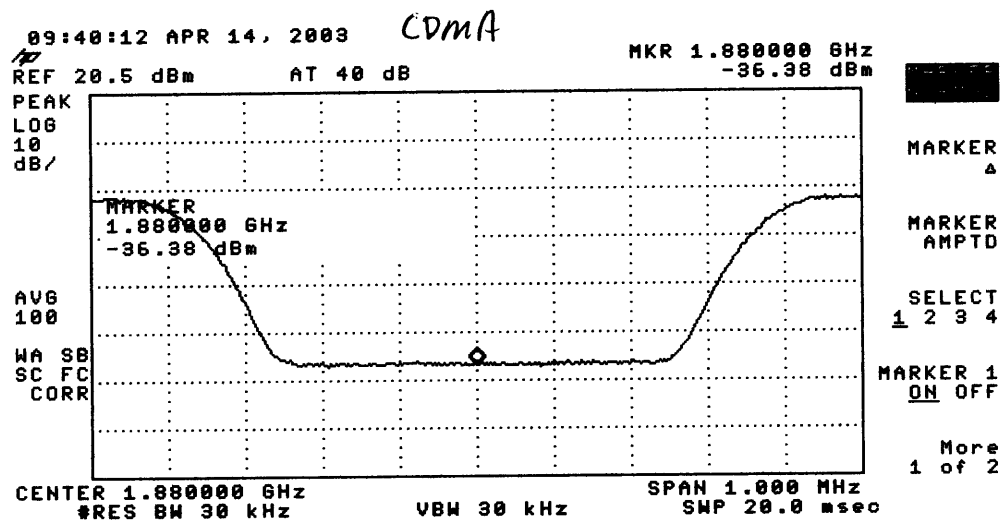
MKR 2.8708 GHz
-54.35 dBm

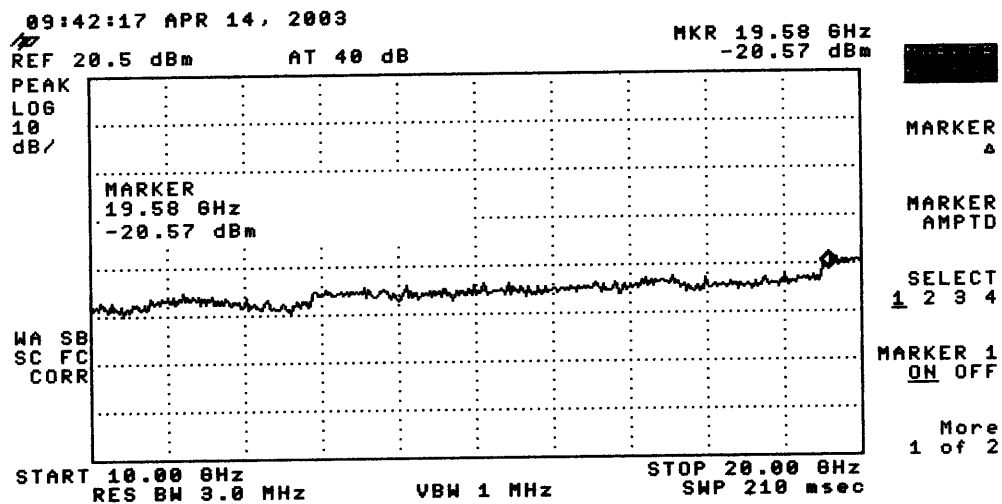
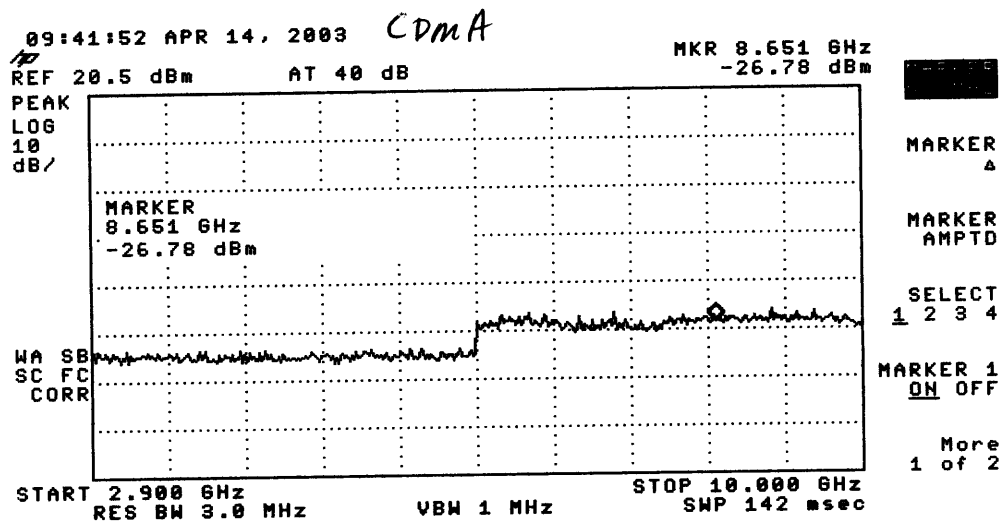












05:43:02 APR 17, 2003

REF 15.0 dBm

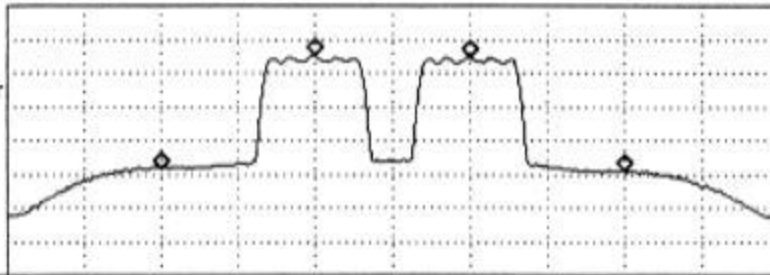
AT 30 dB

COMA

MKR 1.91300 GHz
-34.14 dBm

PEAK
LOG
10
dB/
OFFST
.5
dB

AVG
100



Marker	Trace	Type	Freq / Time	Amplitude
1:	(A)	Freq	1907.00 MHz	-33.27 dBm
2:	(A)	Freq	1909.00 MHz	0.21 dBm
3:	(A)	Freq	1911.00 MHz	-0.15 dBm
4:	(A)	Freq	1913.00 MHz	-34.14 dBm

CENTER 1.91000 GHz
#RES BW 30 kHz

VBW 30 kHz

SPAN 10.00 MHz
SWP 33.3 msec

05:44:18 APR 17, 2003

REF 15.0 dBm

AT 30 dB

MKR 86.80 MHz
-61.85 dBm

PEAK
LOG
10
dB/
OFFST
.5
dB

AVG
100

WA SB
SC FC
CORR



START 20.00 MHz

#RES BW 30 kHz

VBW 30 kHz

STOP 100.00 MHz

SWP 267 msec

05:44:38 APR 17, 2003

REF 15.0 dBm

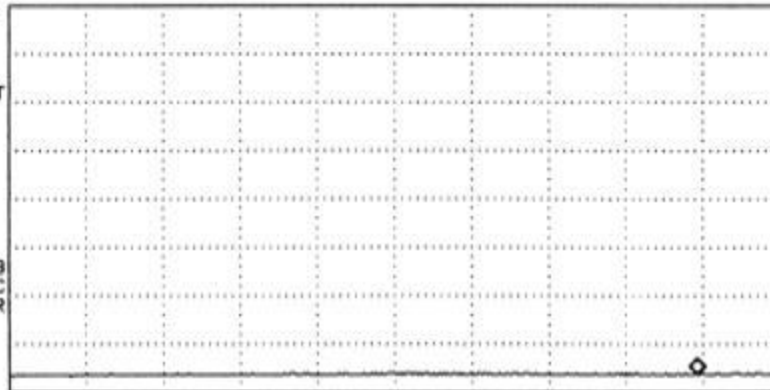
AT 30 dB

MKR 457.0 MHz
-61.38 dBm

PEAK
LOG
10
dB/
OFFST
.5
dB

AVG
10

WA SB
SC FC
CORR



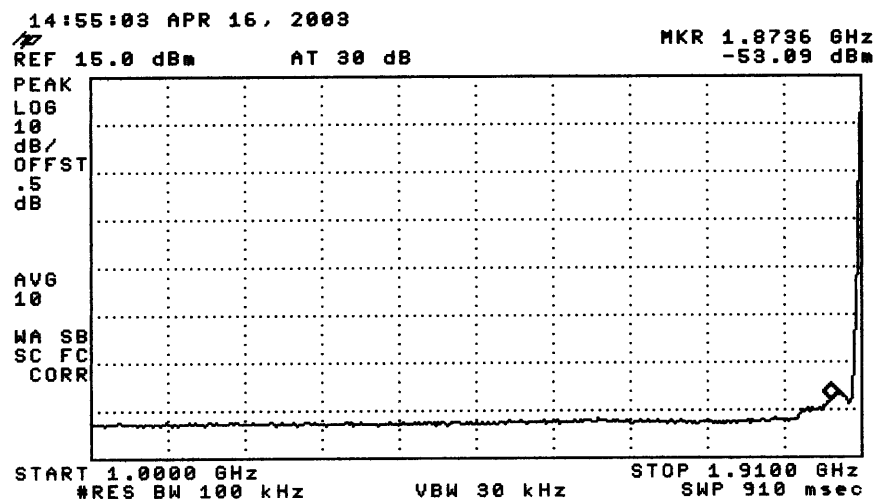
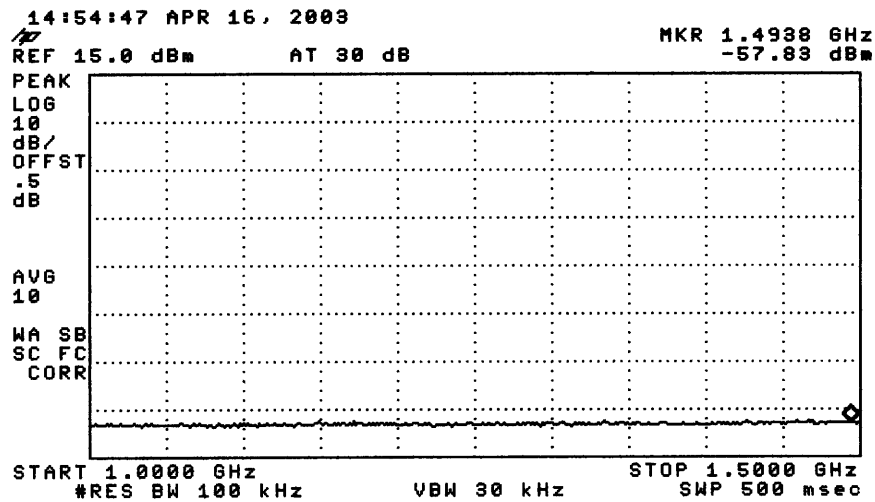
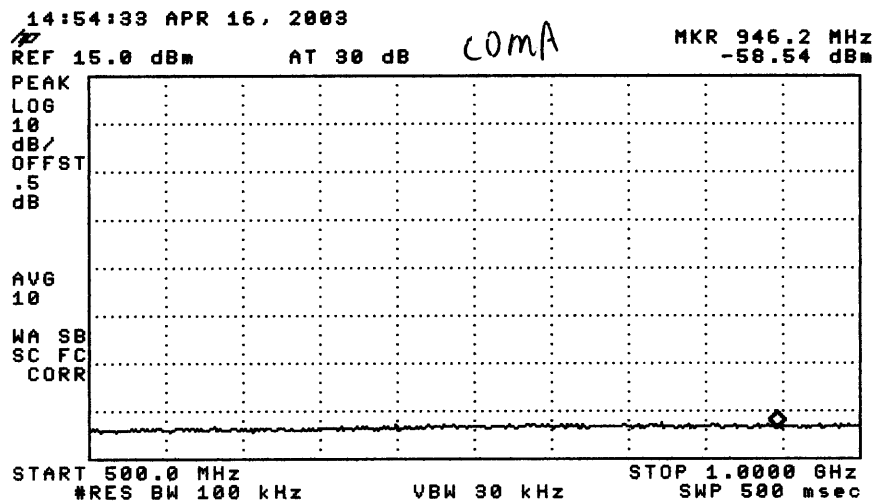
START 100.0 MHz

#RES BW 30 kHz

VBW 30 kHz

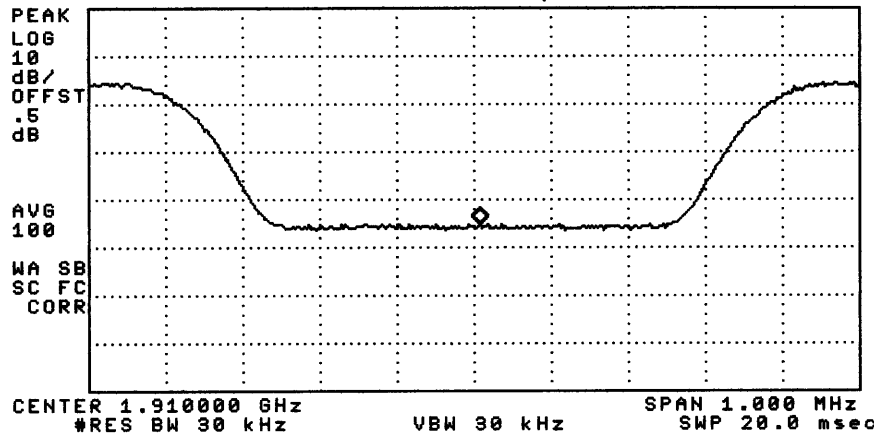
STOP 500.0 MHz

SWP 1.33 sec



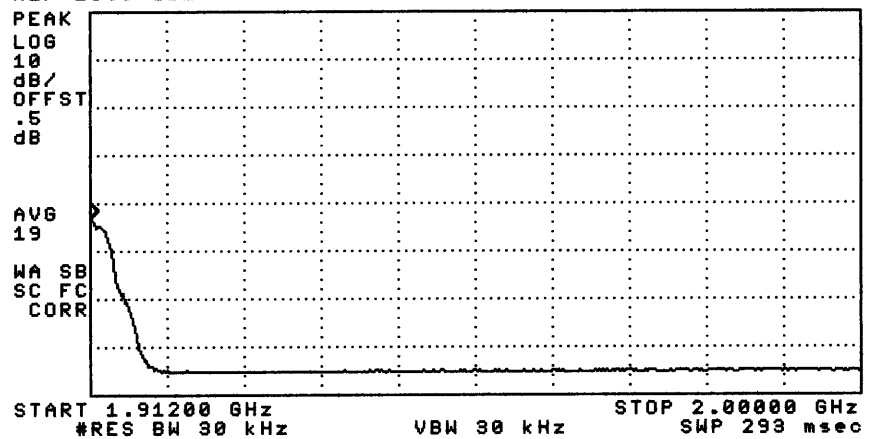
14:55:20 APR 16, 2003

REF 15.0 dBm AT 30 dB *LOmpA* MKR 1.910000 GHz
-30.27 dBm



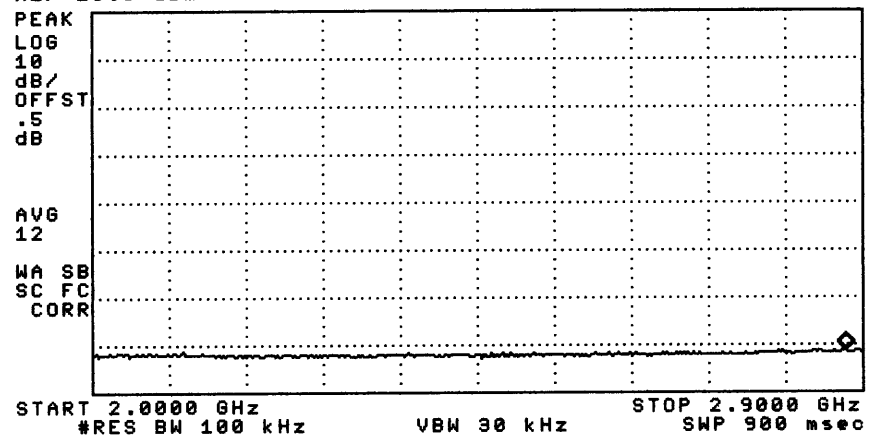
14:55:51 APR 16, 2003

REF 15.0 dBm AT 30 dB MKR 1.91200 GHz
-28.25 dBm



14:56:16 APR 16, 2003

REF 15.0 dBm AT 30 dB MKR 2.8798 GHz
-56.13 dBm



14:56:37 APR 16, 2003

REF 15.0 dBm AT 30 dB

CDMA

MKR 8.491 GHz
-41.57 dBm

PEAK
LOG
10
dB/
OFFST
.5
dB

AVG
23

WA SB
SC FC
CORR

START 2.900 GHz STOP 10.000 GHz
#RES BW 1.0 MHz VBW 300 kHz SWP 142 msec

14:57:01 APR 16, 2003

REF 15.0 dBm AT 30 dB

MKR 19.95 GHz
-33.06 dBm

PEAK
LOG
10
dB/
OFFST
.5
dB

AVG
10

WA SB
SC FC
CORR

START 10.00 GHz STOP 20.00 GHz
#RES BW 1.0 MHz VBW 300 kHz SWP 210 msec