

## **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**

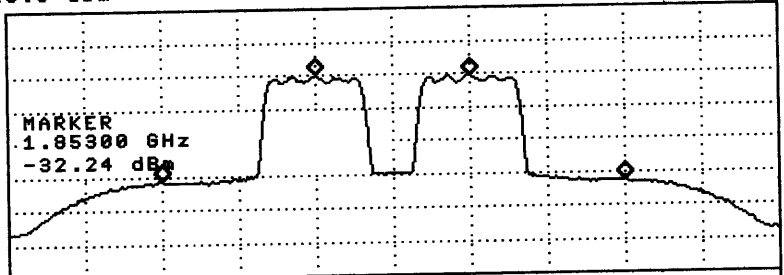
09:23:51 APR 14, 2003 CDMA

MKR 1.85300 GHz  
-32.24 dBm

REF 20.5 dBm AT 40 dB

PEAK  
LOG  
10  
dB/

AVG  
100



MARKER  
A

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

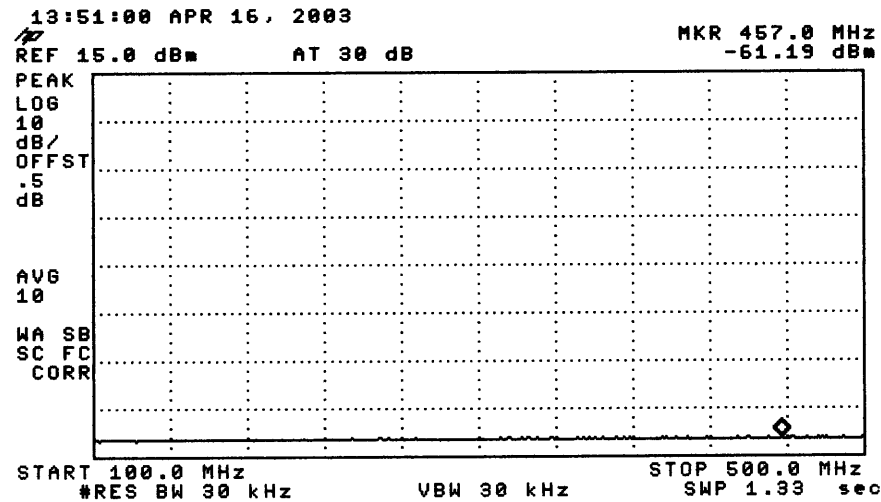
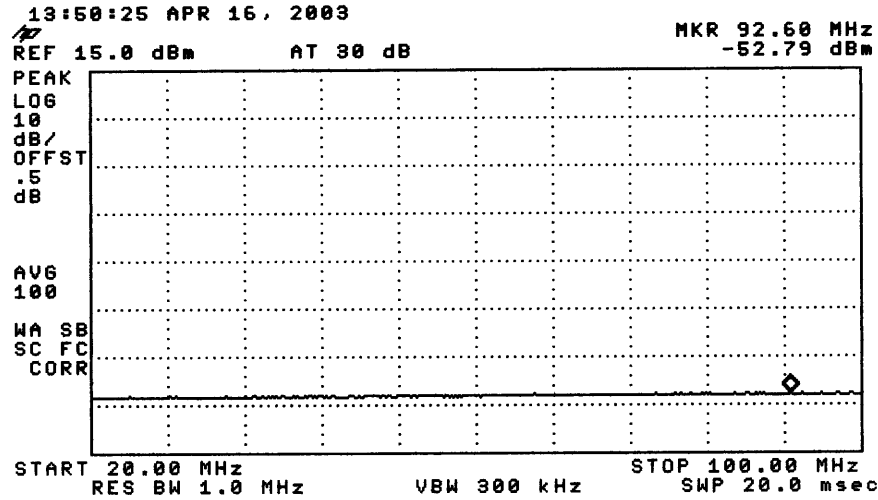
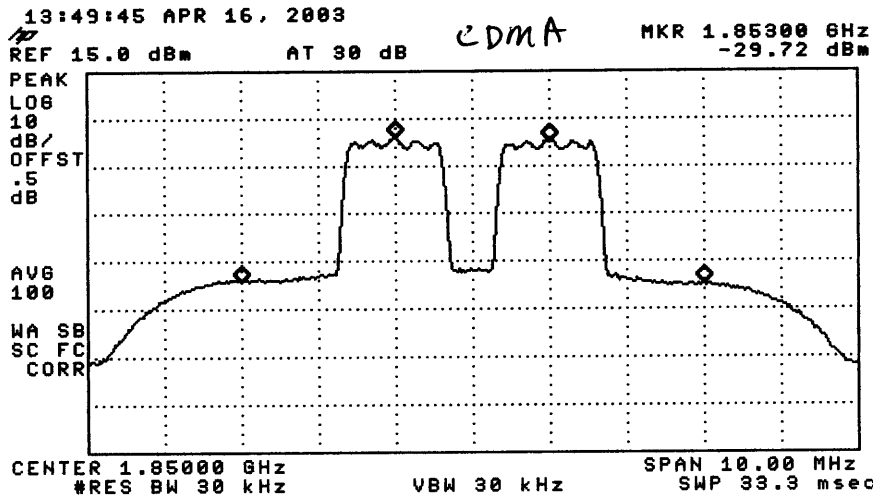
MARKER 4  
ON OFF

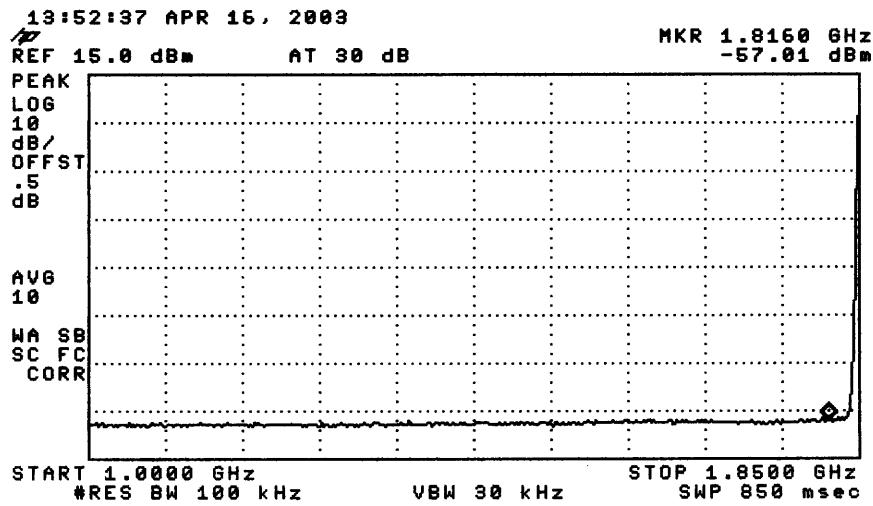
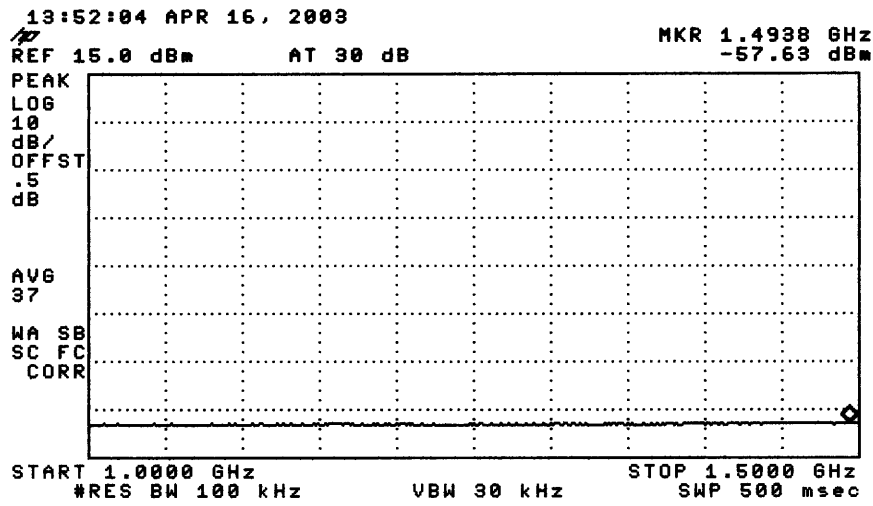
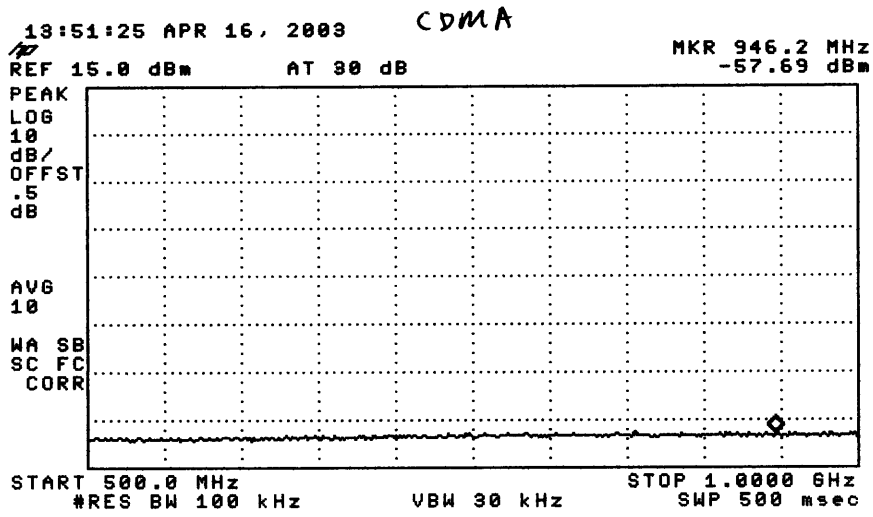
More  
1 of 2

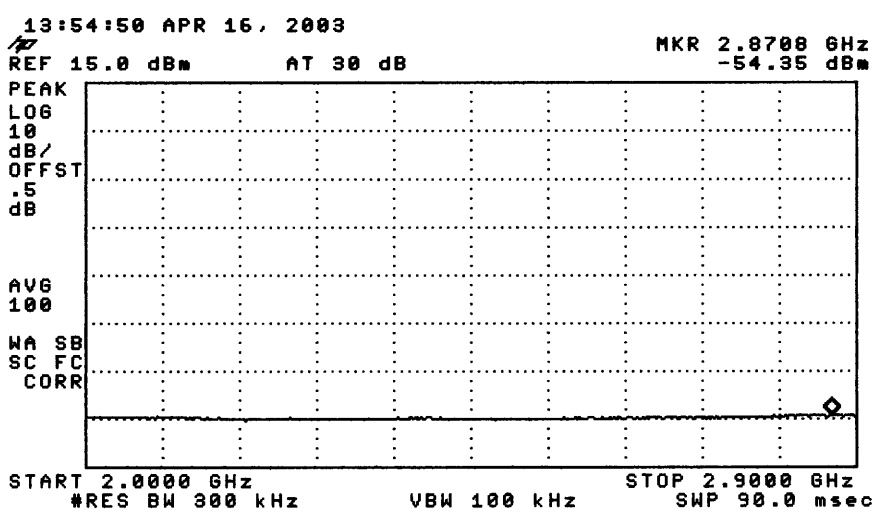
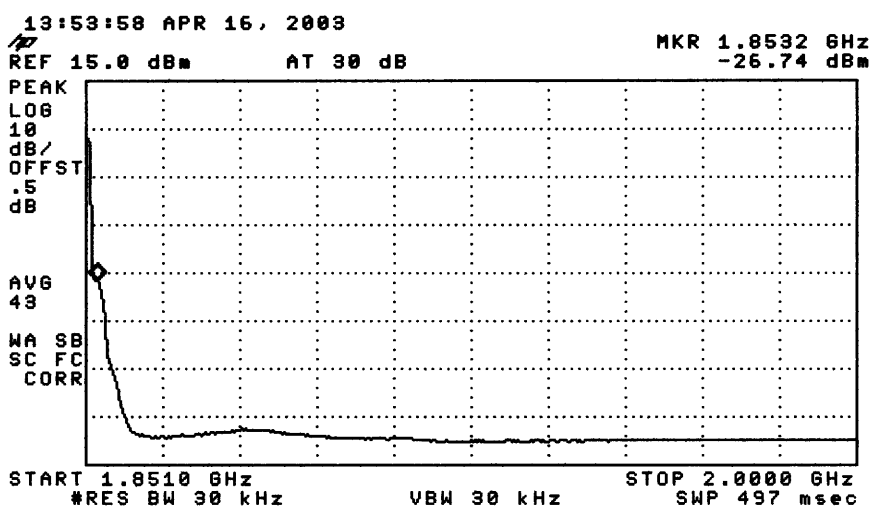
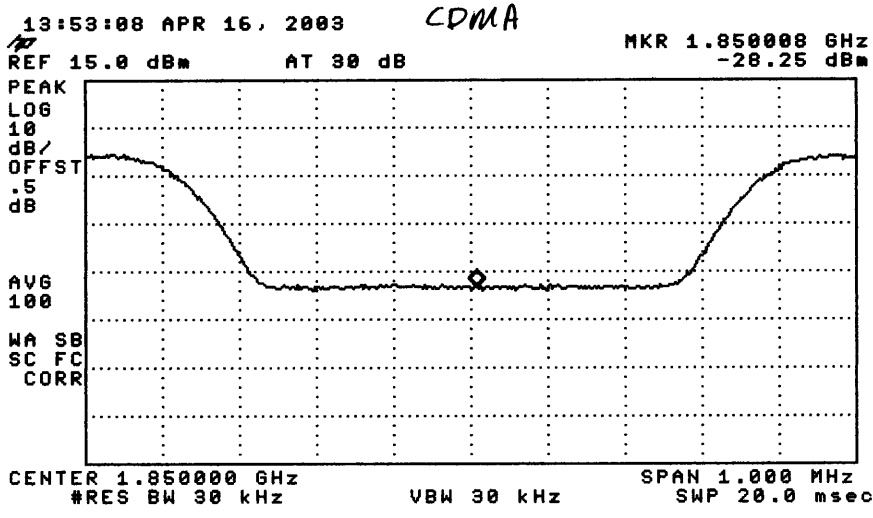
CENTER 1.85000 GHz  
#RES BW 30 kHz

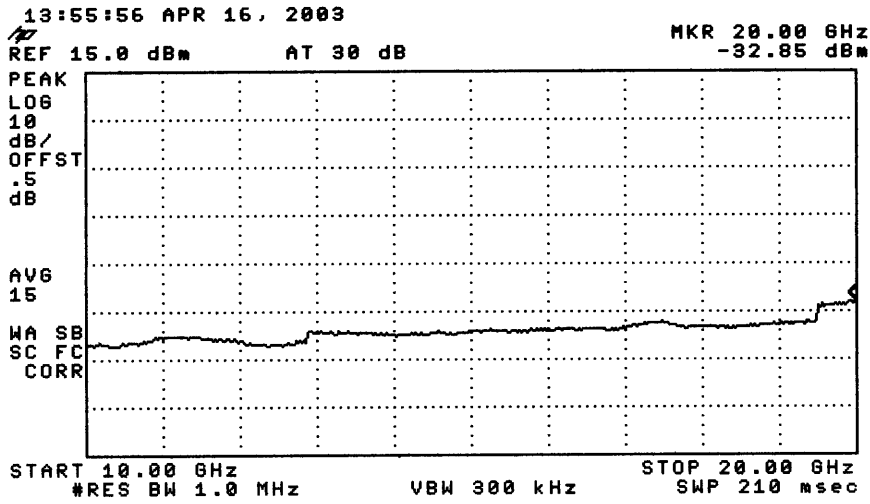
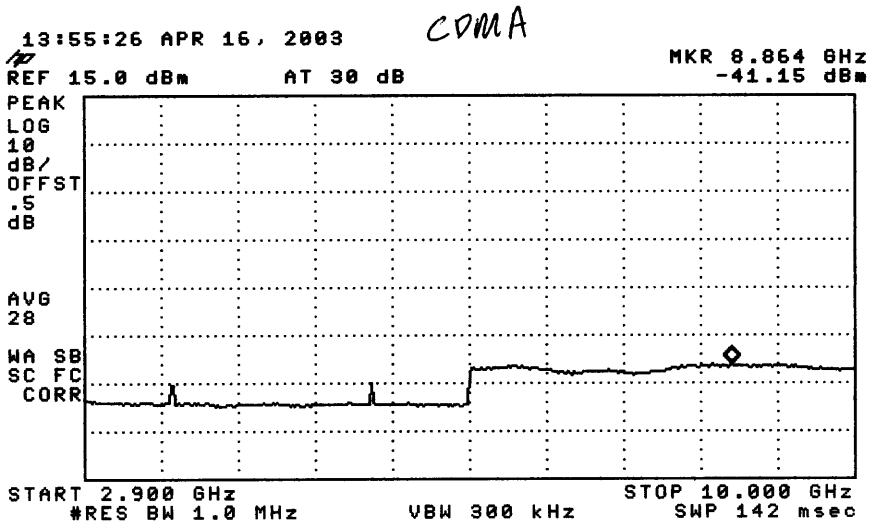
VBW 30 kHz

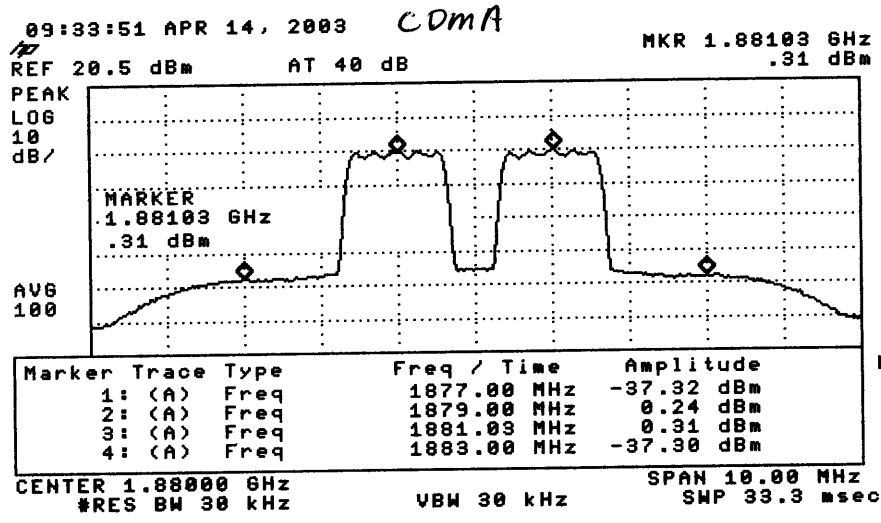
SPAN 10.00 MHz  
SWP 33.3 msec



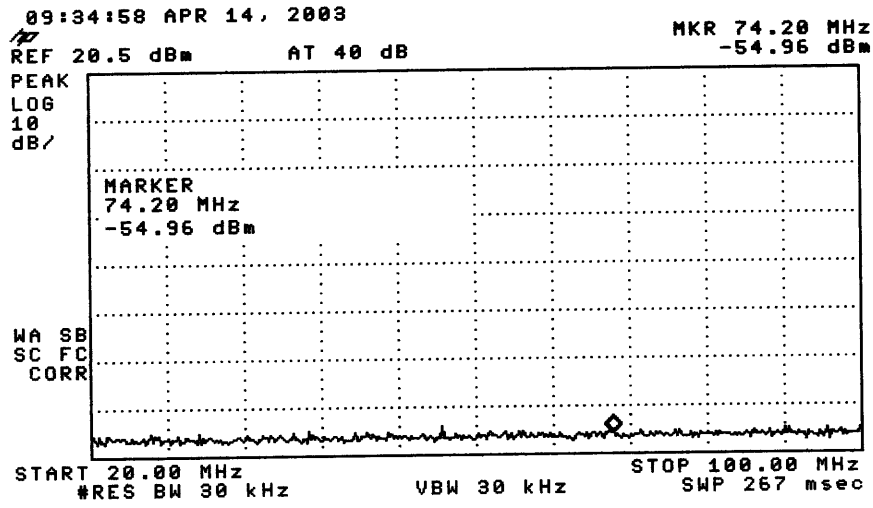




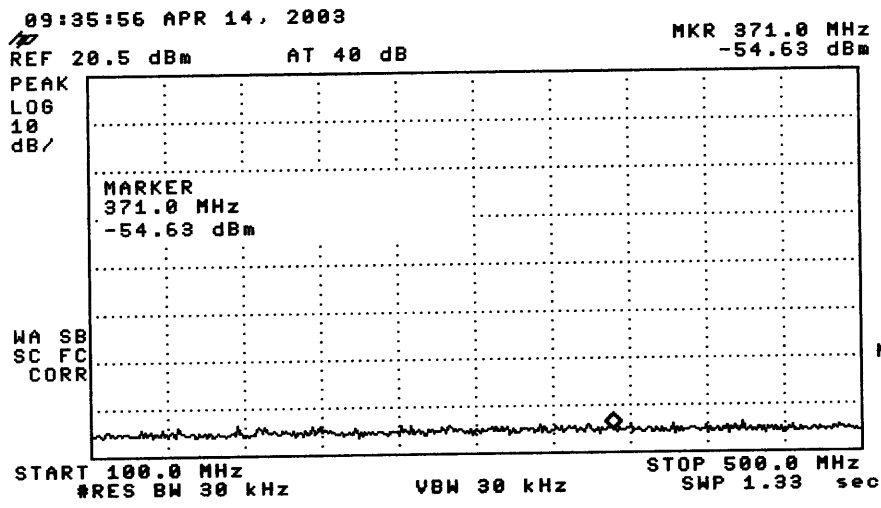




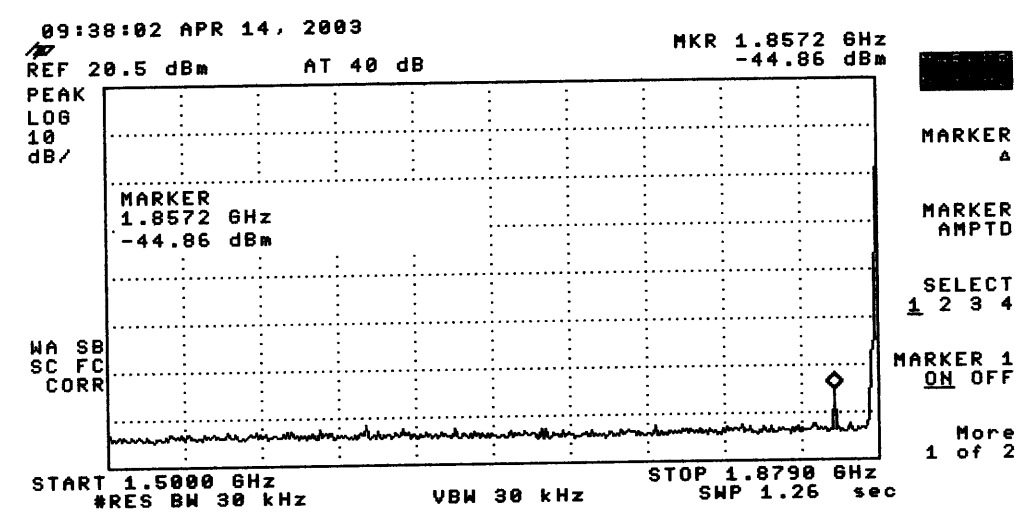
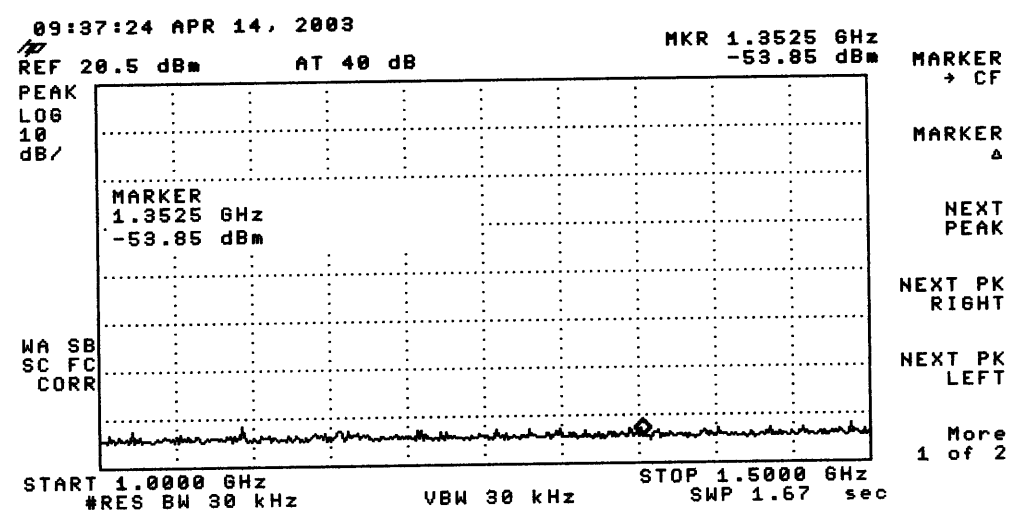
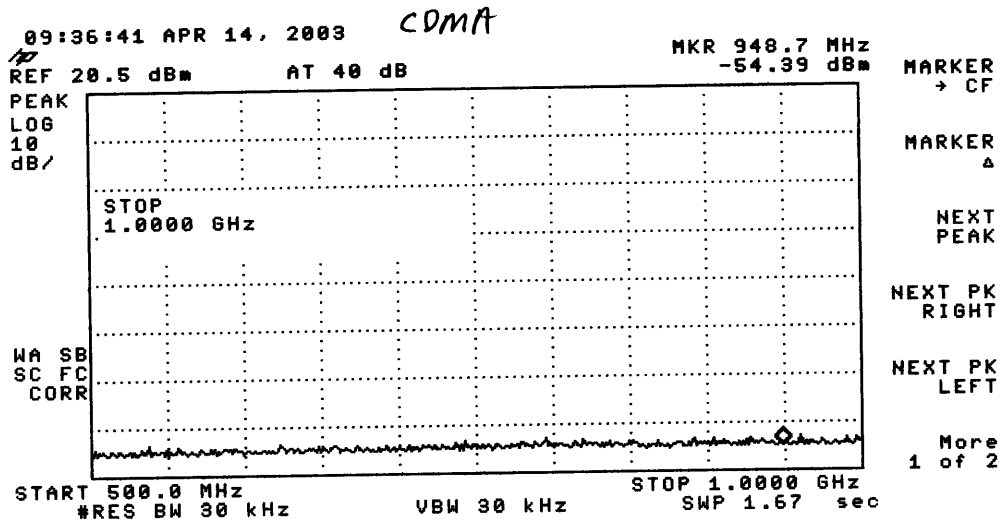
MARKER  
 MARKER AMPTD  
 SELECT 1 2 3 4  
 MARKER 3 ON OFF  
 More 1 of 2



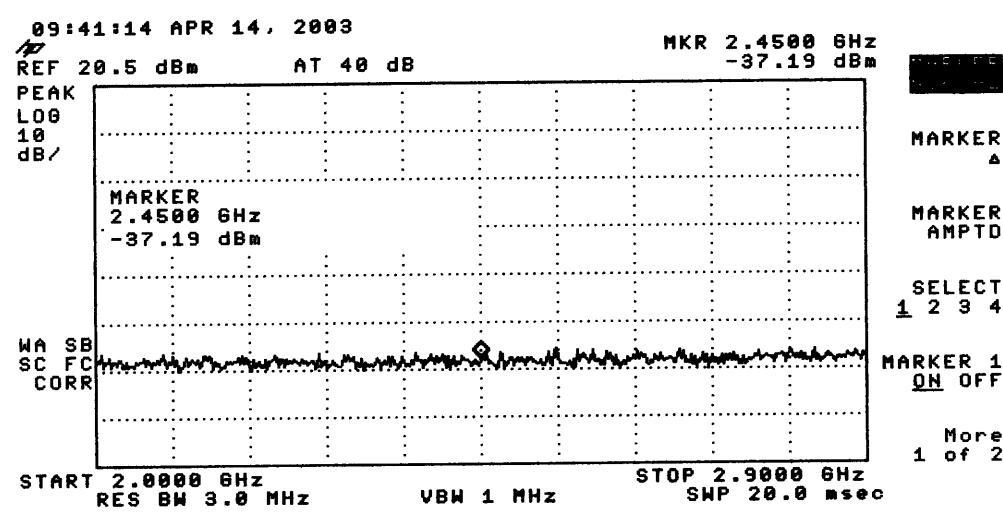
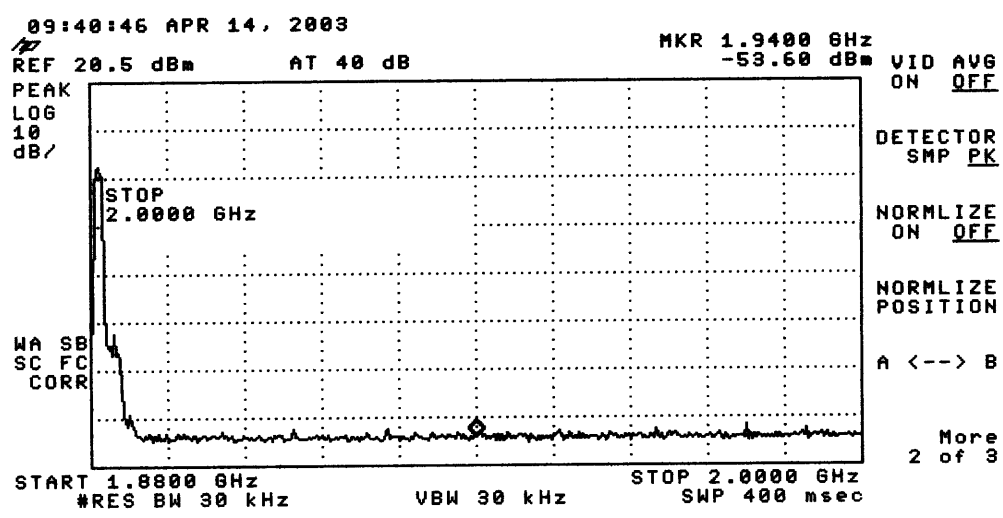
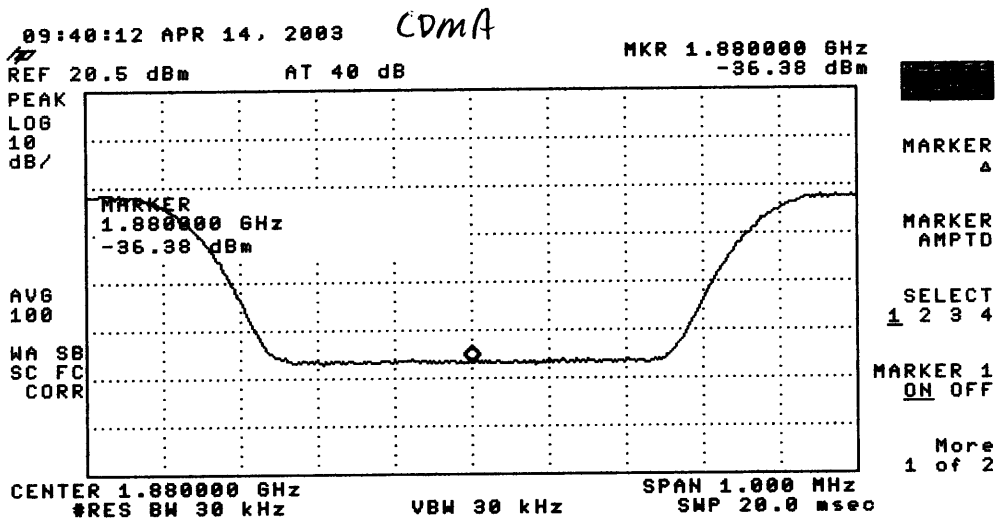
MARKER → CF  
 MARKER Δ  
 NEXT PEAK  
 NEXT PK RIGHT  
 NEXT PK LEFT  
 More 1 of 2

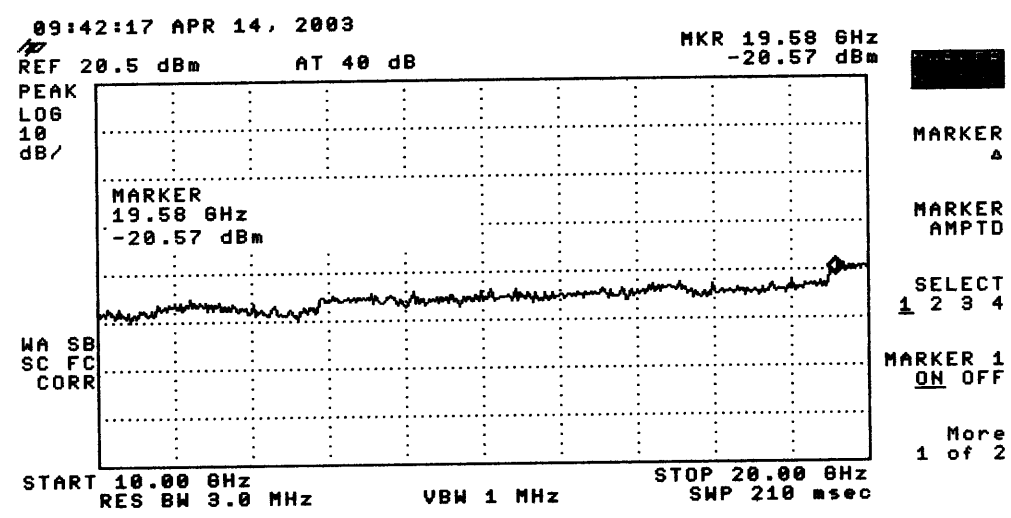
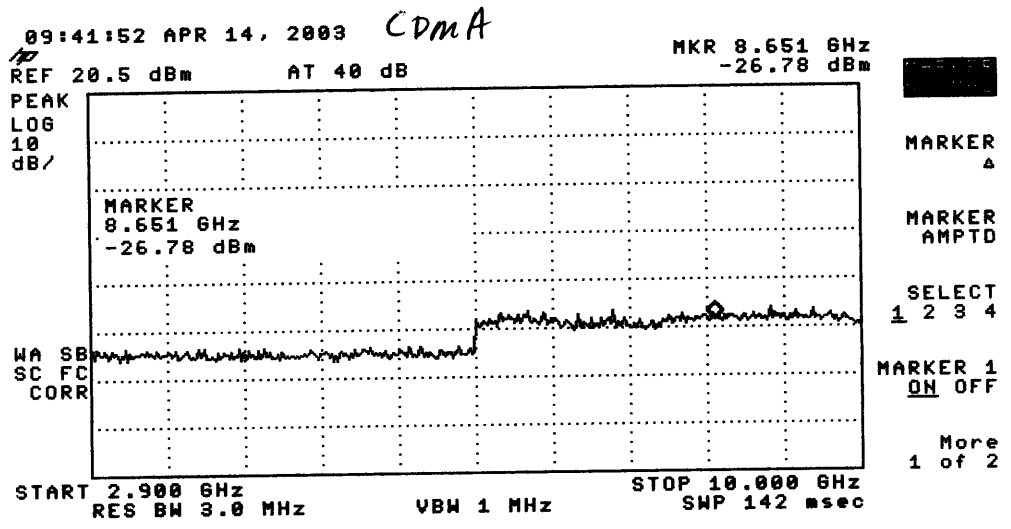


MARKER Δ  
 MARKER AMPTD  
 SELECT 1 2 3 4  
 MARKER 1 ON OFF  
 More 1 of 2









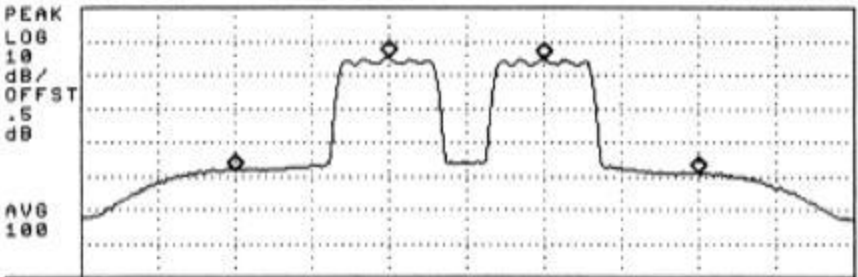
05:43:02 APR 17, 2003

REF 15.0 dBm

AT 30 dB

COMA

MKR 1.91300 GHz  
-34.14 dBm



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

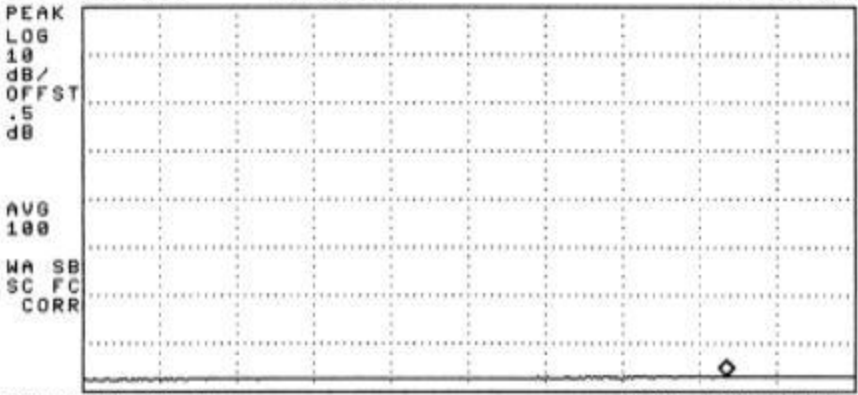
SPAN 10.00 MHz  
SWP 33.3 msec

05:44:18 APR 17, 2003

REF 15.0 dBm

AT 30 dB

MKR 86.80 MHz  
-61.85 dBm



START 20.00 MHz  
#RES BW 30 kHz

VBW 30 kHz

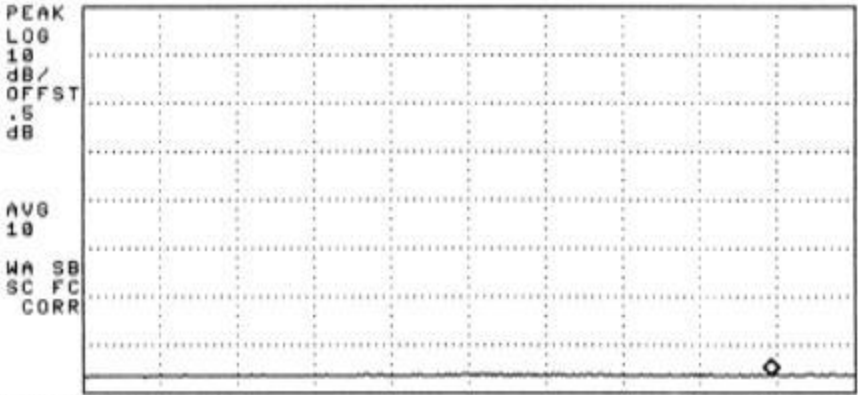
STOP 100.00 MHz  
SWP 267 msec

05:44:38 APR 17, 2003

REF 15.0 dBm

AT 30 dB

MKR 457.0 MHz  
-61.38 dBm



START 100.0 MHz  
#RES BW 30 kHz

VBW 30 kHz

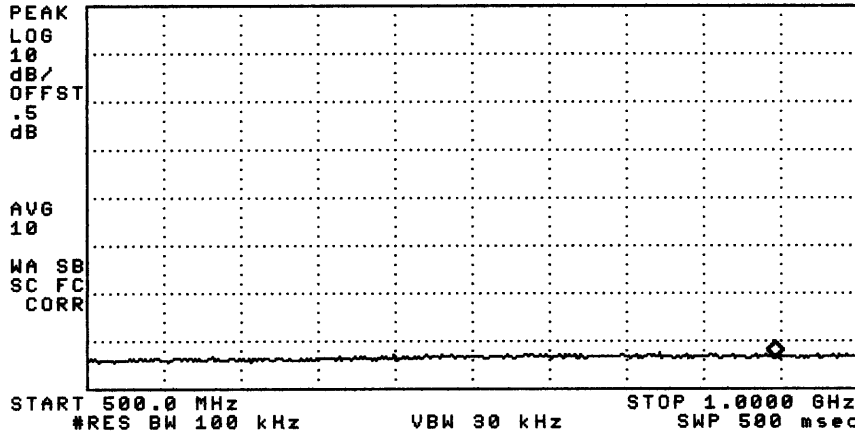
STOP 500.0 MHz  
SWP 1.33 sec

14:54:33 APR 16, 2003

REF 15.0 dBm AT 30 dB

coma

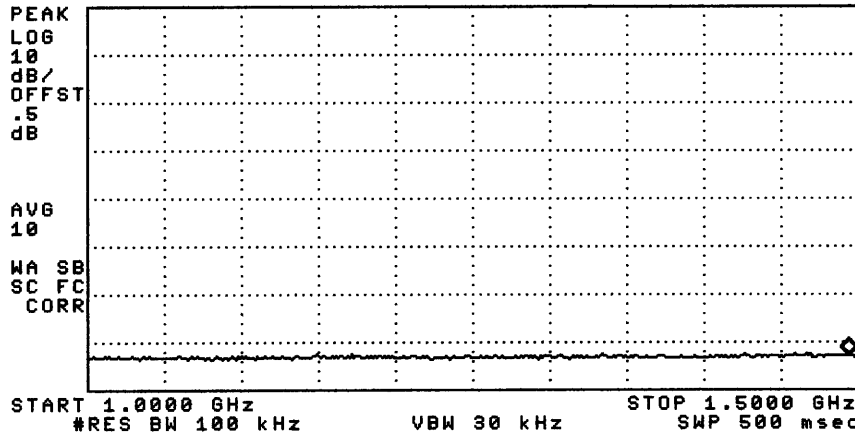
MKR 946.2 MHz  
-58.54 dBm



14:54:47 APR 16, 2003

REF 15.0 dBm AT 30 dB

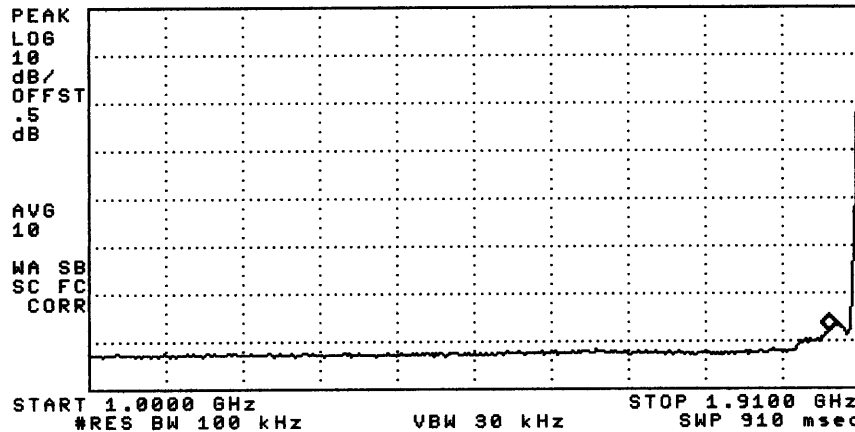
MKR 1.4938 GHz  
-57.83 dBm



14:55:03 APR 16, 2003

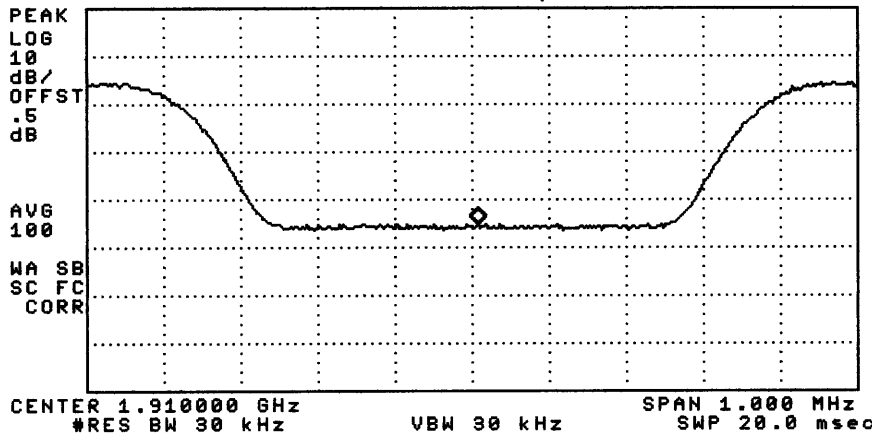
REF 15.0 dBm AT 30 dB

MKR 1.8736 GHz  
-53.09 dBm



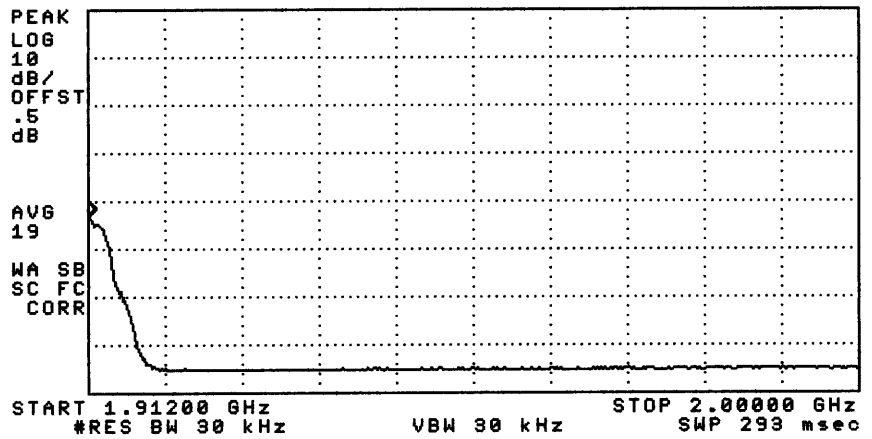
14:55:20 APR 16, 2003

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



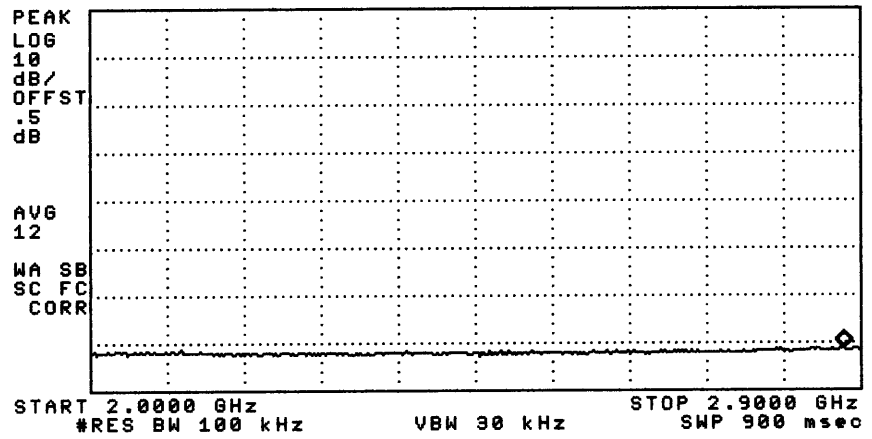
14:55:51 APR 16, 2003

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

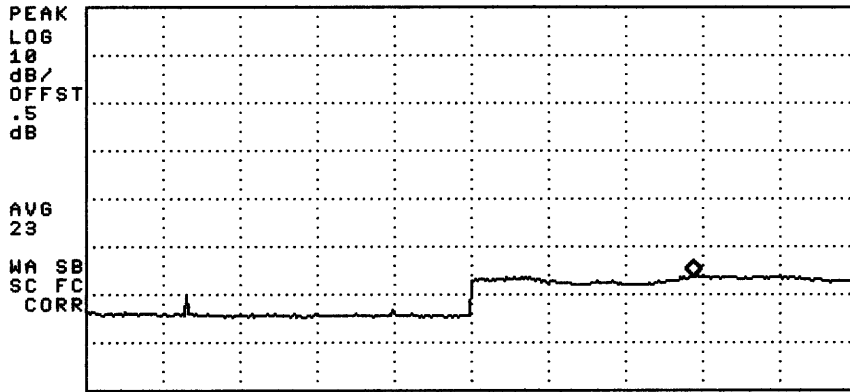


14:56:37 APR 16, 2003

CDMA

MKR 8.491 GHz  
-41.57 dBm

REF 15.0 dBm AT 30 dB

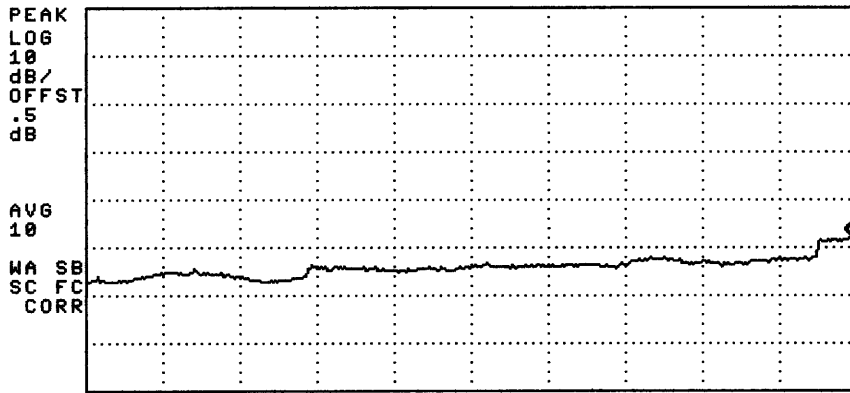


#RES BW 1.0 MHz VBW 300 kHz SWP 142 msec

14:57:01 APR 16, 2003

MKR 19.95 GHz  
-33.06 dBm

REF 15.0 dBm AT 30 dB



#RES BW 1.0 MHz VBW 300 kHz SWP 210 msec