

4.4 PEAK POWER EXCURSION MEASUREMENT

4.4.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	13dB
5.25 – 5.35 GHz	13dB
5.725 – 5.825 GHz	13dB

4.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
ROHDE&SCHWARZ SINGLE CHANNEL POWER METER	NRVS	100026	Mar. 21, 2003
ROHDE&SCHWARZ PEAK POWER METER	NRV-Z32	100013	Mar. 21, 2003

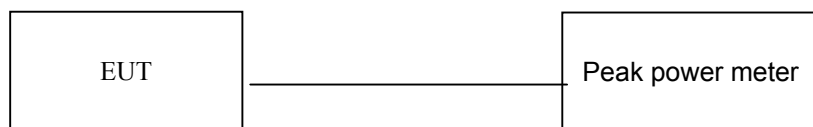
NOTE:

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
- 2.The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.4.3 TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer.
2. Set the spectrum bandwidth span to view the entire spectrum.
3. Using peak detector and Max-hold function for Trace 1 and Trace 2 with RB and VB setting.
4. The largest difference between Trace 1 and Trace 2 in any 1MHz band on any frequency was recorded.

4.4.4 TEST SETUP



4.4.5 EUT OPERATING CONDITIONS

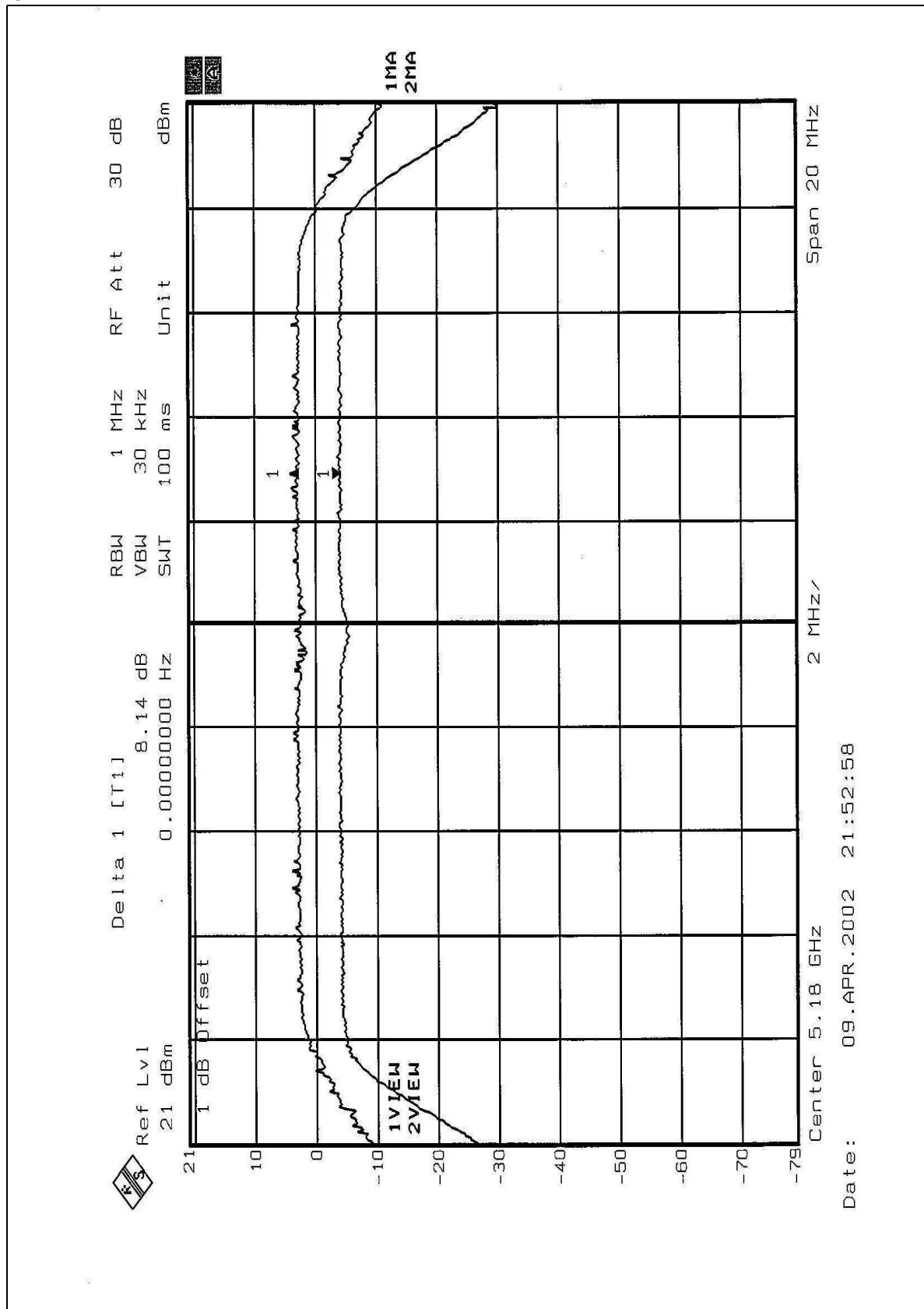
The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

4.4.6 TEST RESULTS

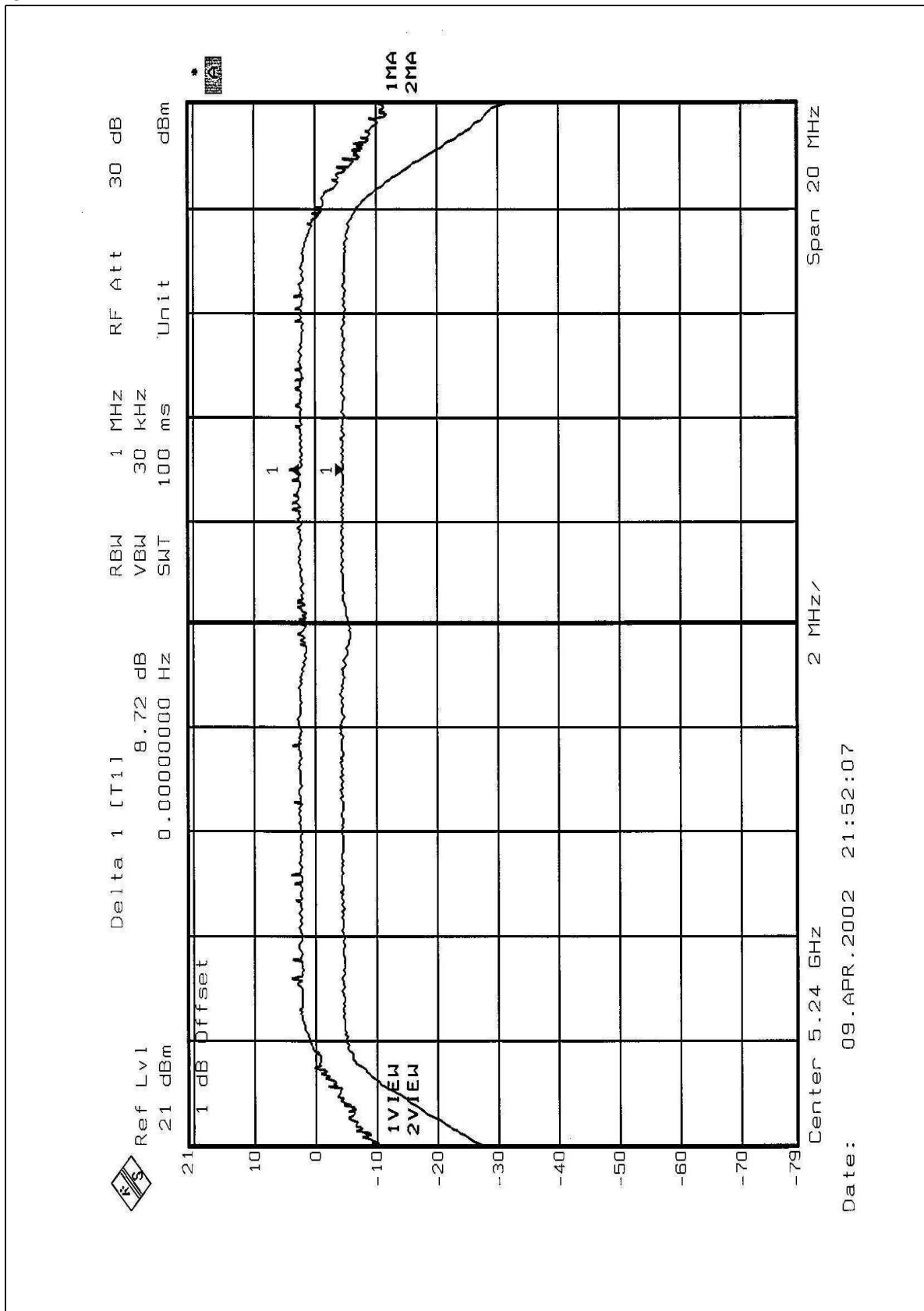
EUT	54Mbps Wireless Network PC Card	MODEL	WPC54A
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21 deg. C, 50%RH, 1005 hPa	TESTED BY	Bruce Shiau

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	8.14	13	PASS
4	5240	8.72	13	PASS
5	5260	8.18	13	PASS
8	5320	8.68	13	PASS

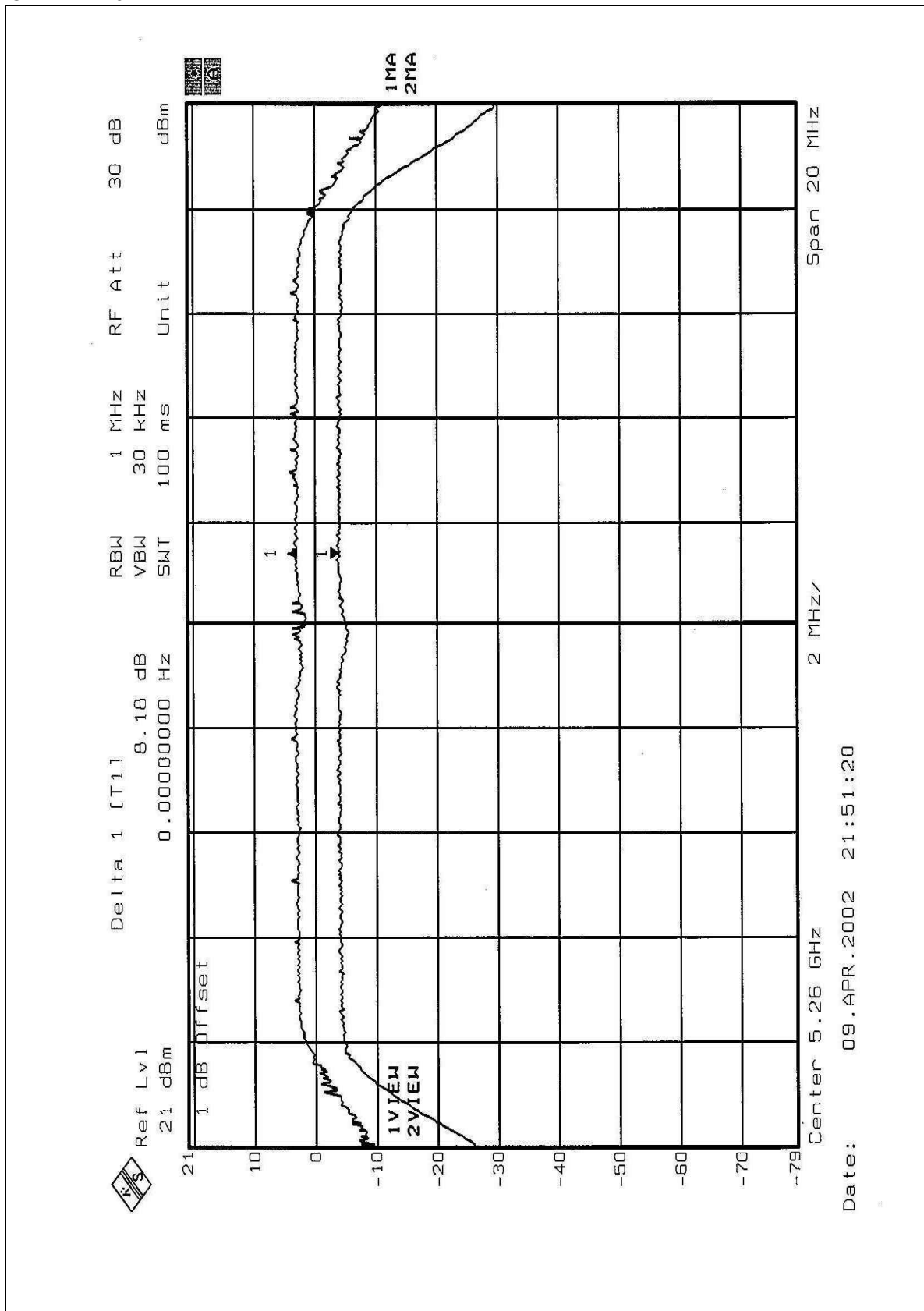
CHANNEL 1



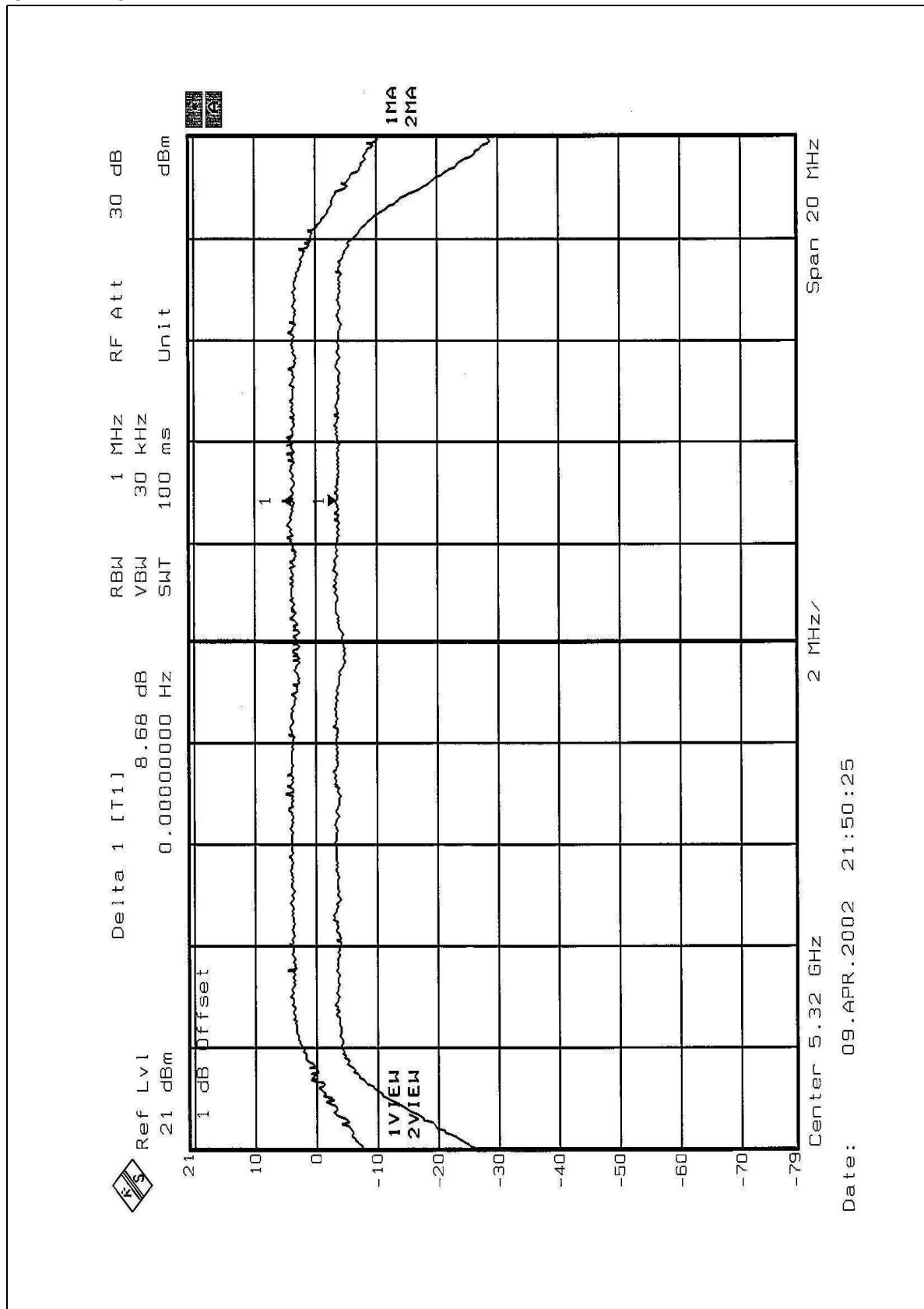
CHANNEL 4



CHANNEL 5



CHANNEL 8

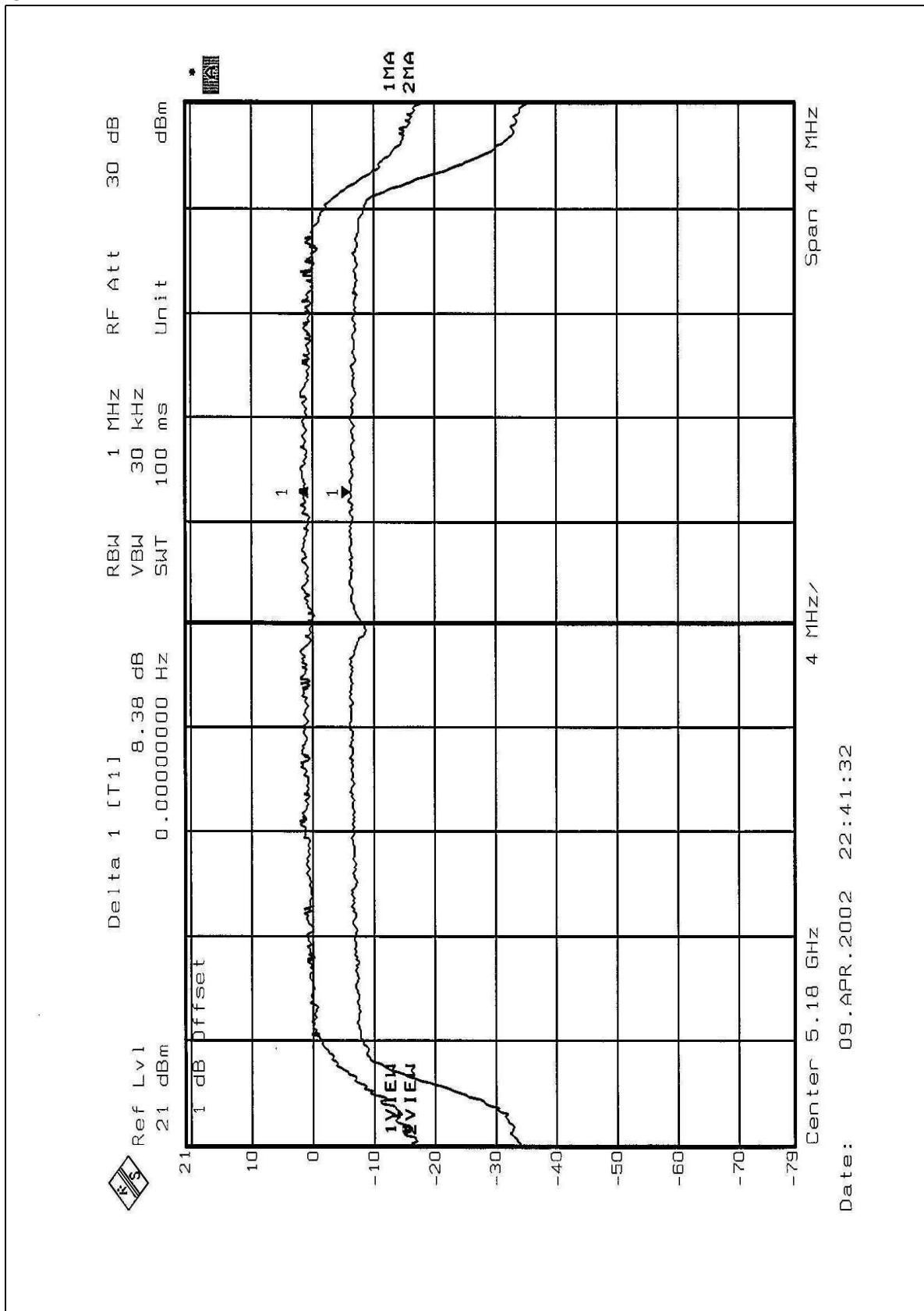




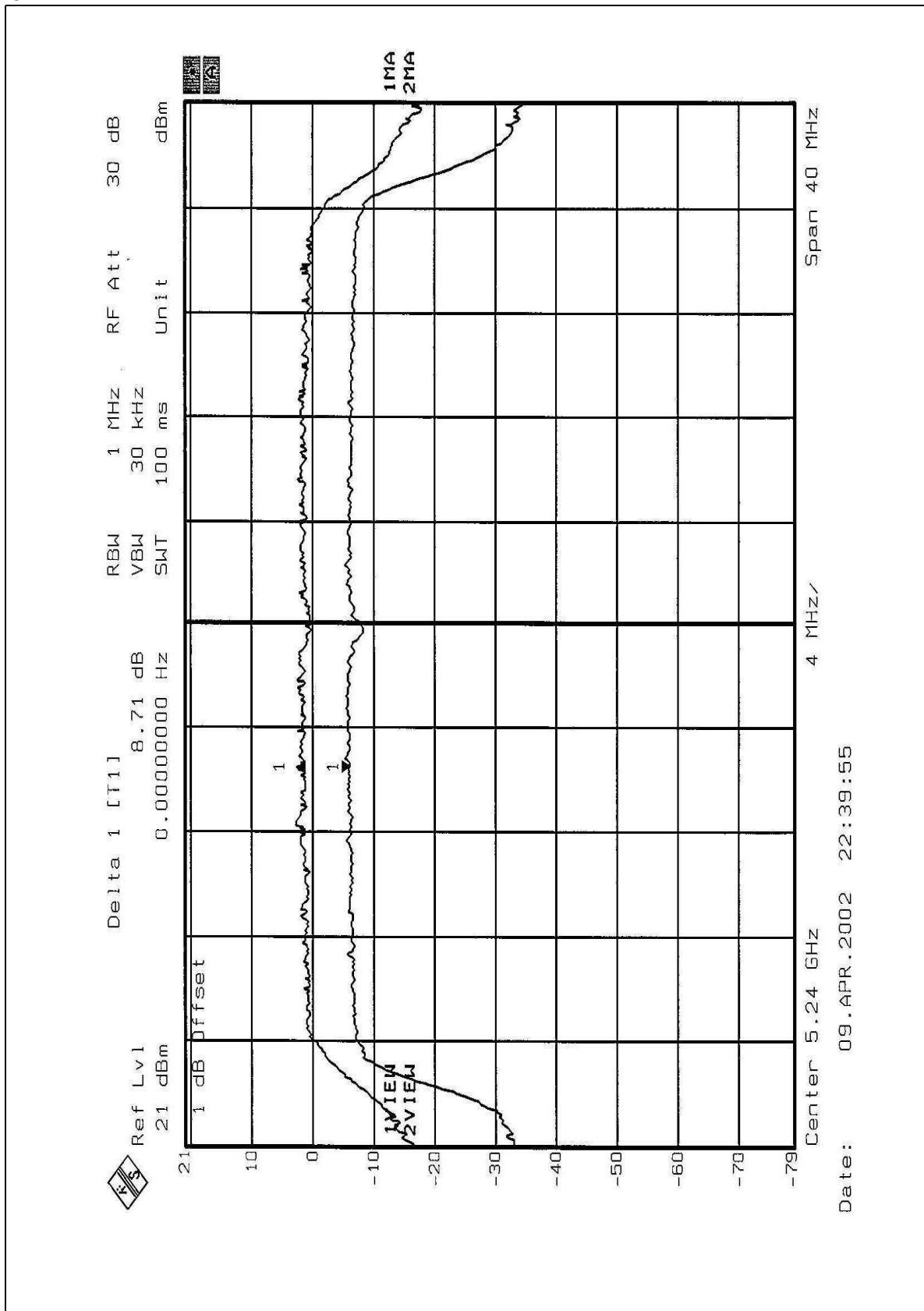
EUT	54Mbps Wireless Network PC Card	MODEL	WPC54A
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21 deg. C, 50%RH, 1005 hPa	TESTED BY	Bruce Shiao

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dBm)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	8.38	13	PASS
4	5240	8.71	13	PASS
5	5260	8.59	13	PASS
8	5320	8.79	13	PASS

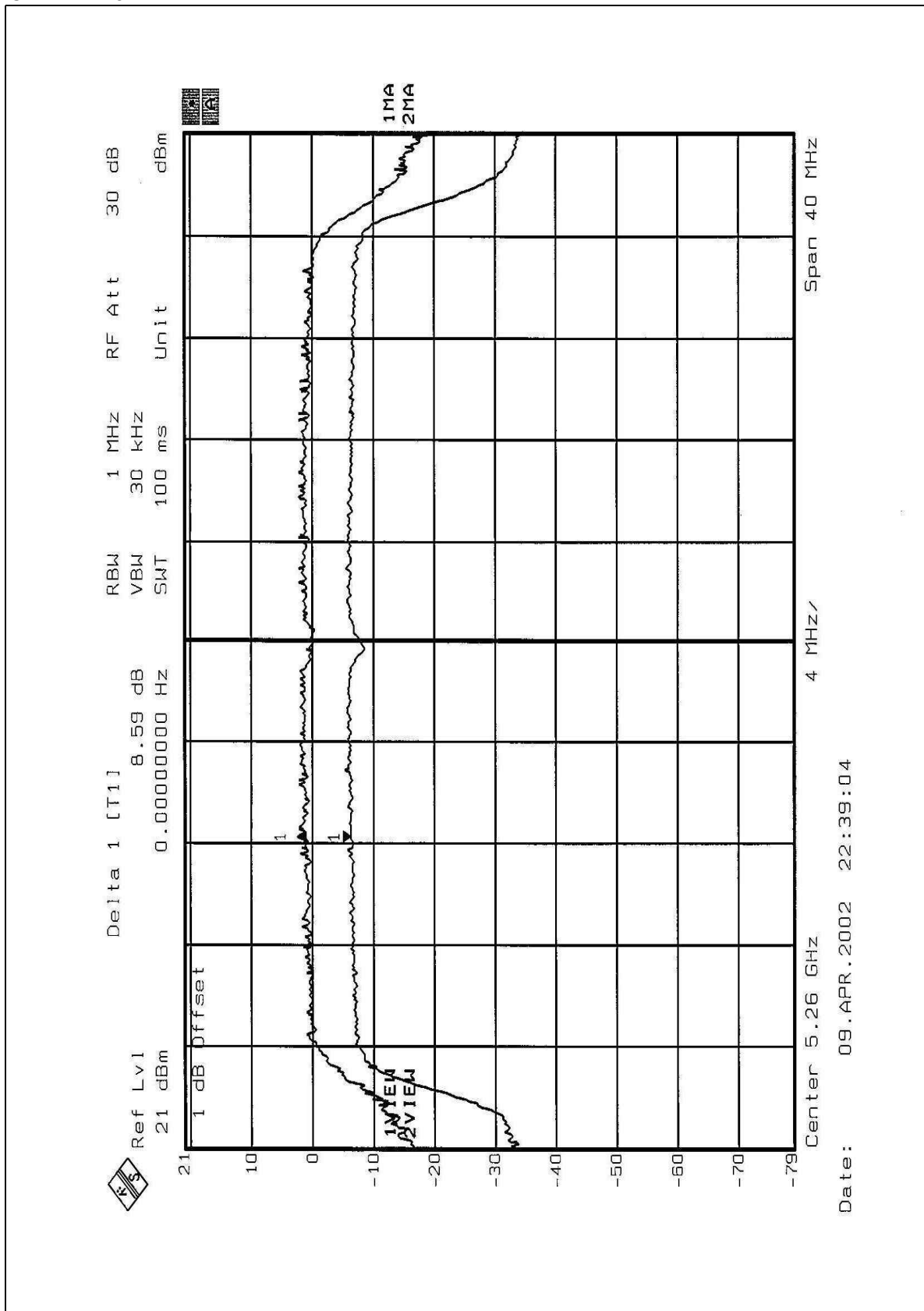
CHANNEL 1



CHANNEL 4



CHANNEL 5



Delta 1 [T1]

Ref Lvl 21 dBm

1 dB Offset

1MA

2MA

Center 5.32 GHz

Span 40 MHz

4 MHz

Date: 09.APR.2002 22:38:20