

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 SPECTRUM ANALYZER	FSEK30	100049	July 17, 2002

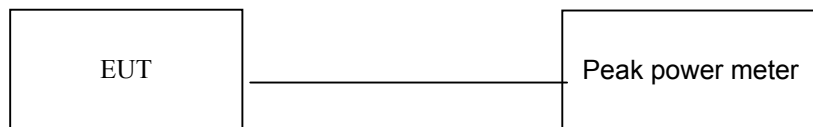
NOTE:

- 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 2 with proper resolution bandwidth 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.

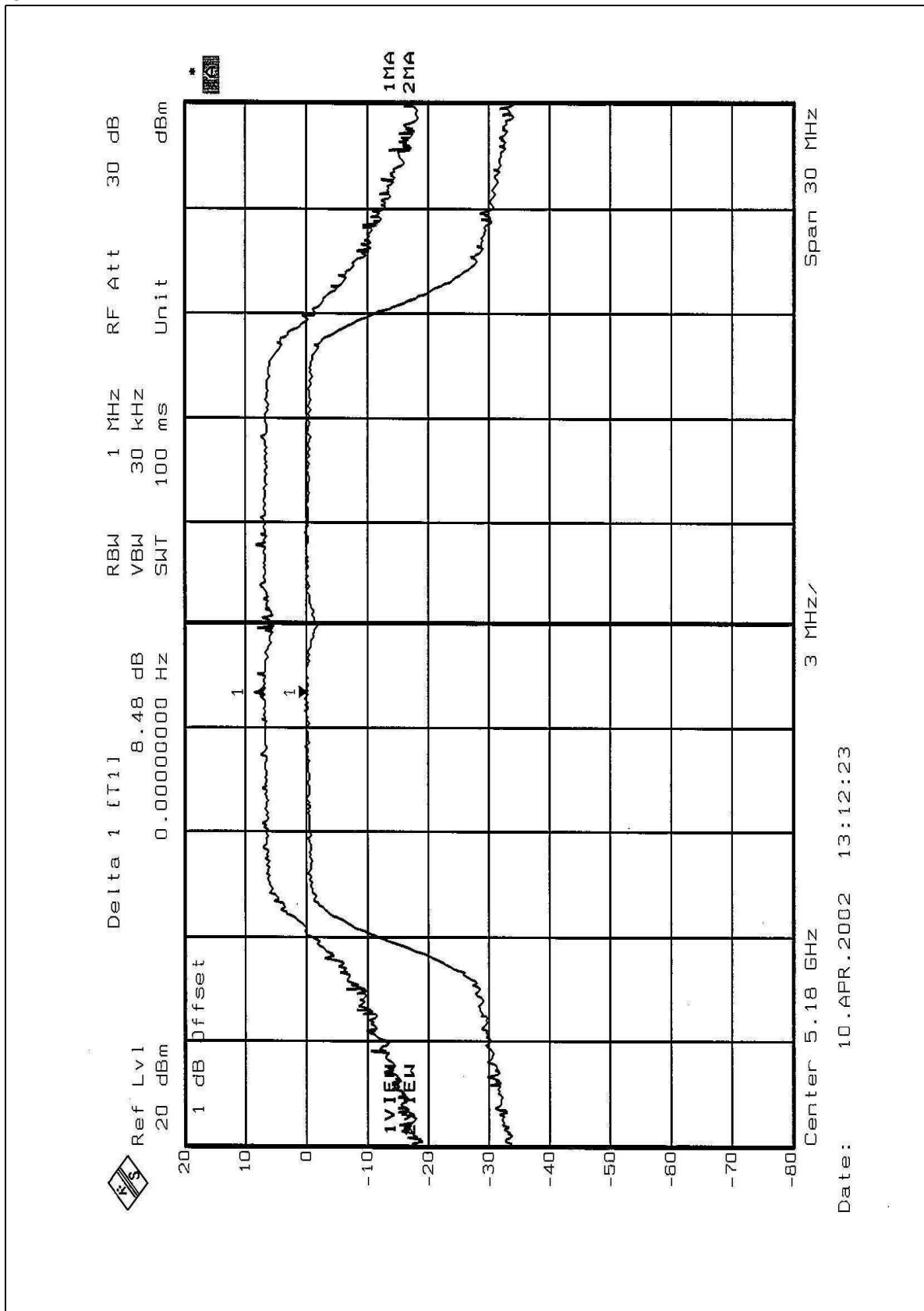


4.4.6 TEST RESULTS

EUT	54Mbps Wireless Access Point	MODEL	WAP54A
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	27 deg. C, 52%RH, 1005 hPa	TESTED BY	Steven Lu

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	8.48	13	PASS
4	5240	8.27	13	PASS
5	5260	8.54	13	PASS
8	5320	7.74	13	PASS

CHANNEL 1



Channel 1

Center 5.24 GHz Span 30 MHz

Ref Lvl 20 dBm

Delta 1 [T1] 8.27 dB

RBW 1 MHz VBW 30 kHz SMT 100 ms

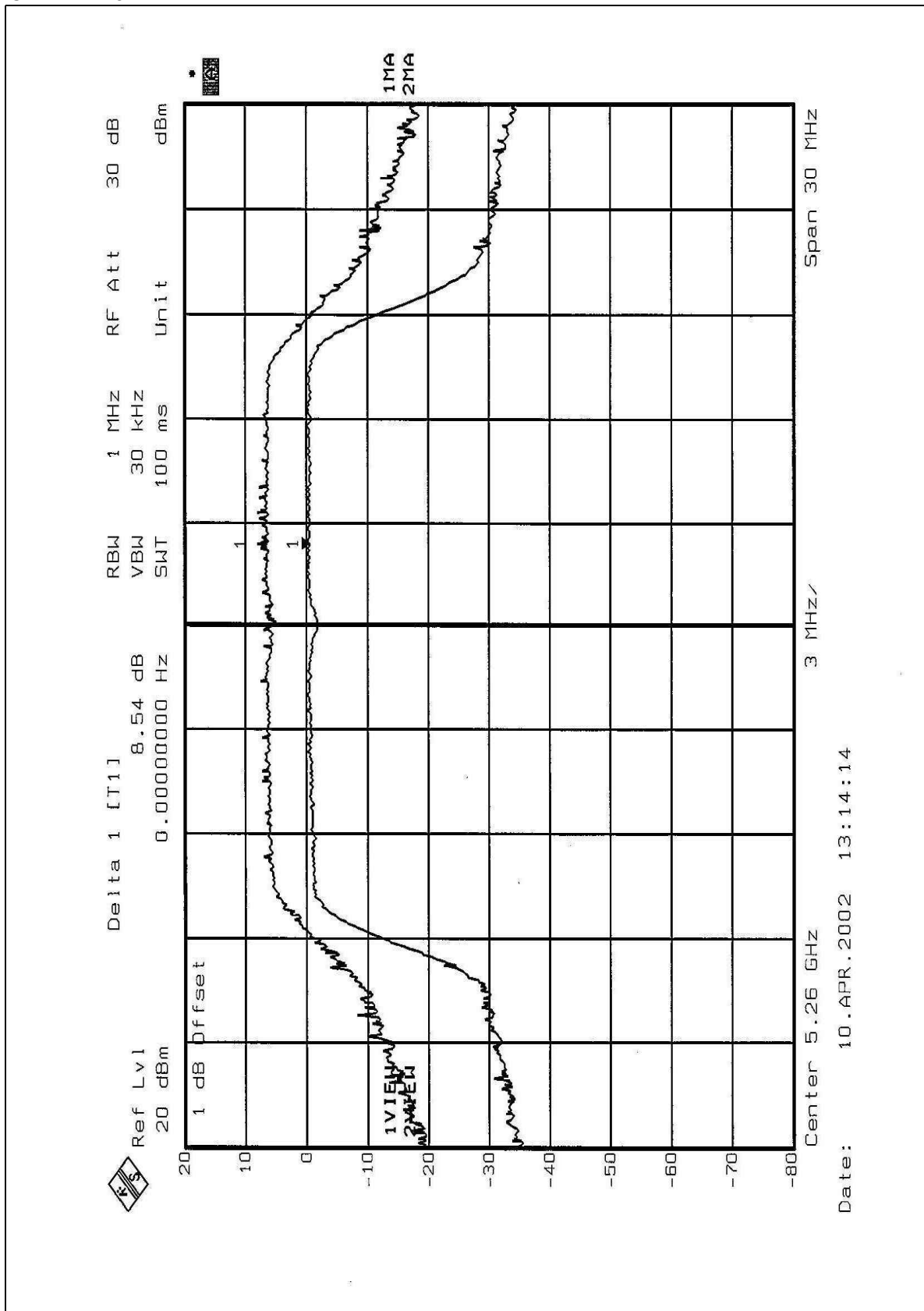
RF Att 30 dB Unit dBm

1VIEW 2VIEW

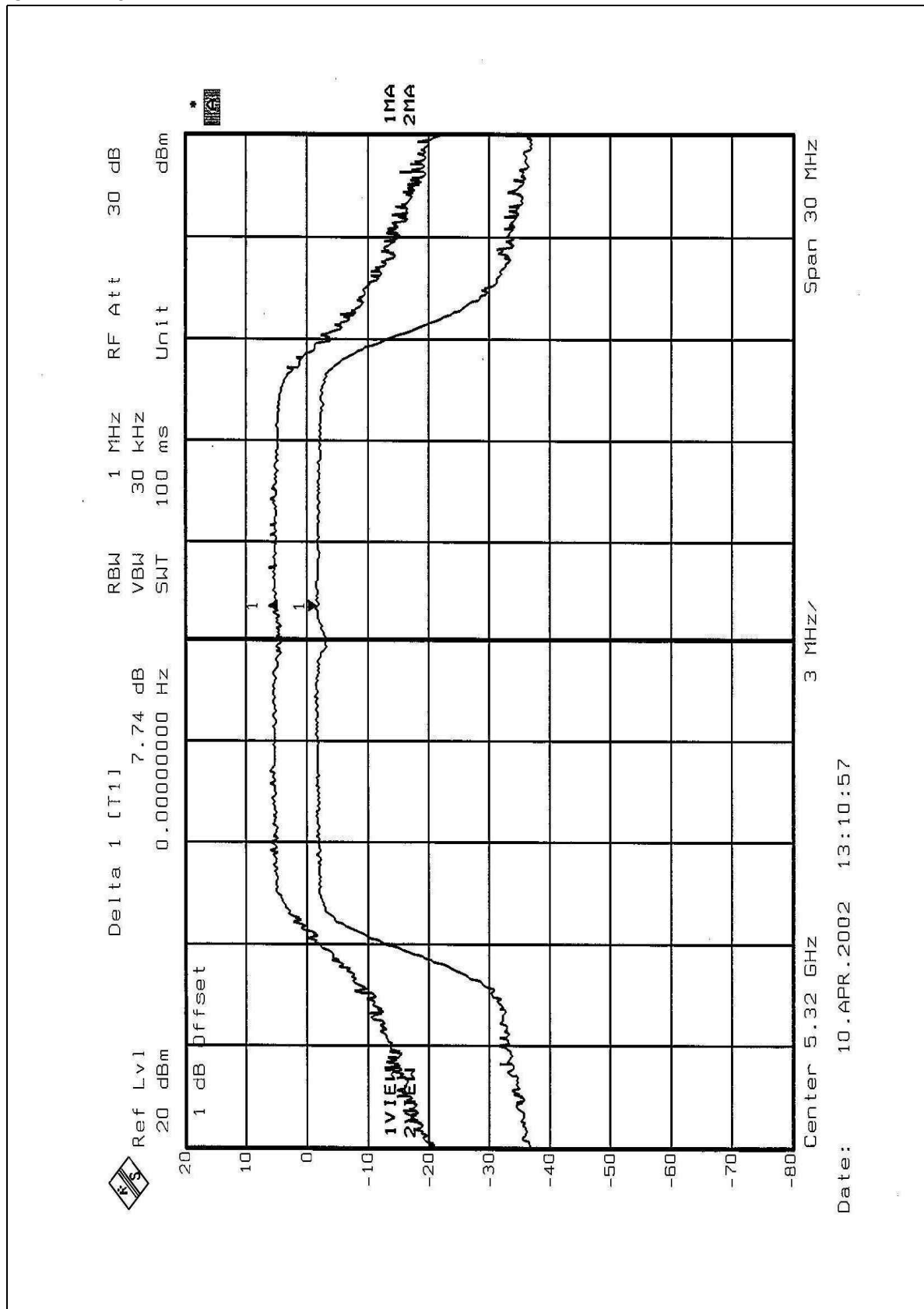
1MA 2MA

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CHANNEL 5



CHANNEL 8



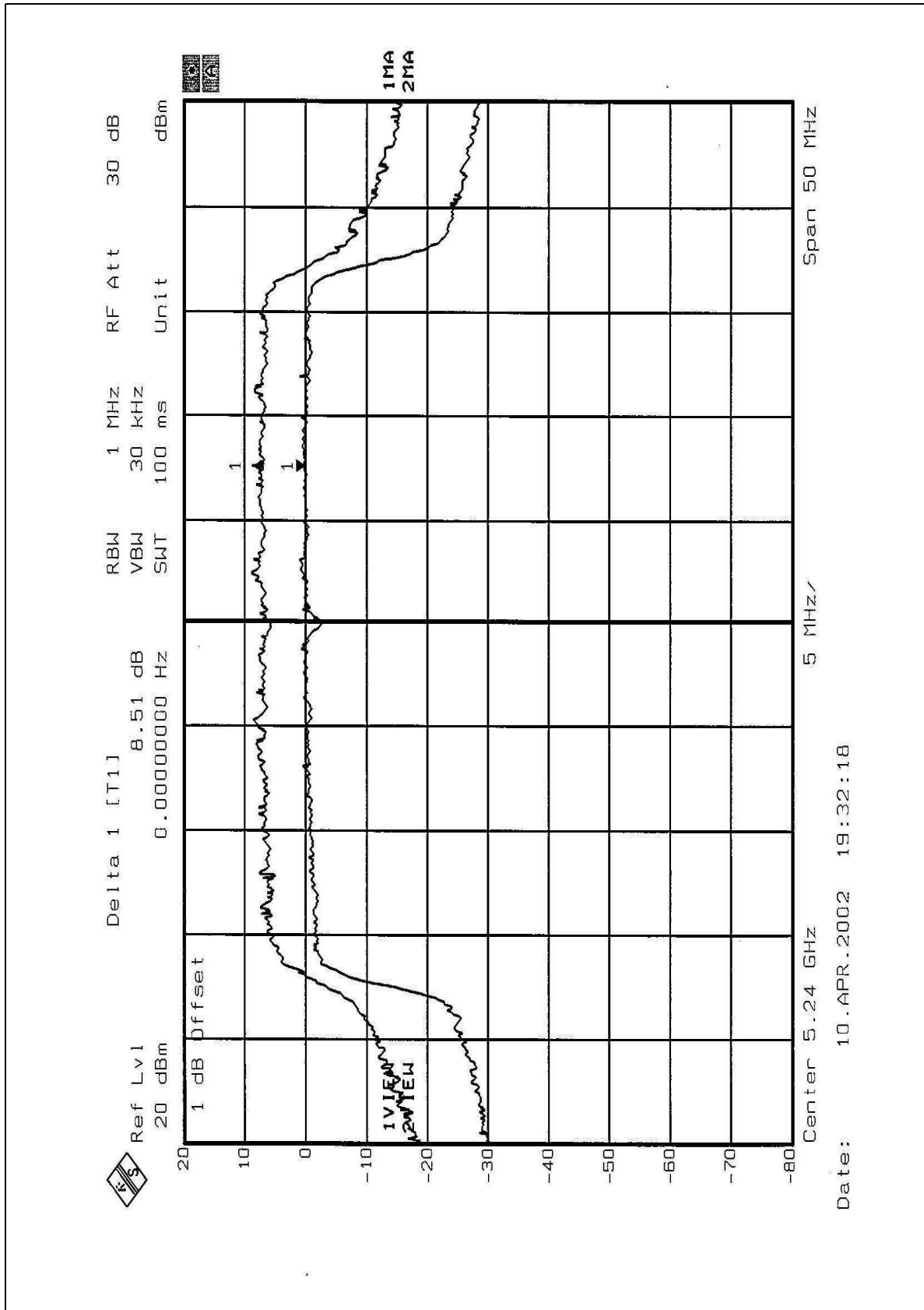


EUT	54Mbps Wireless Access Point	MODEL	WAP54A
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	27 deg. C, 52%RH, 1005 hPa	TESTED BY	Steven Lu

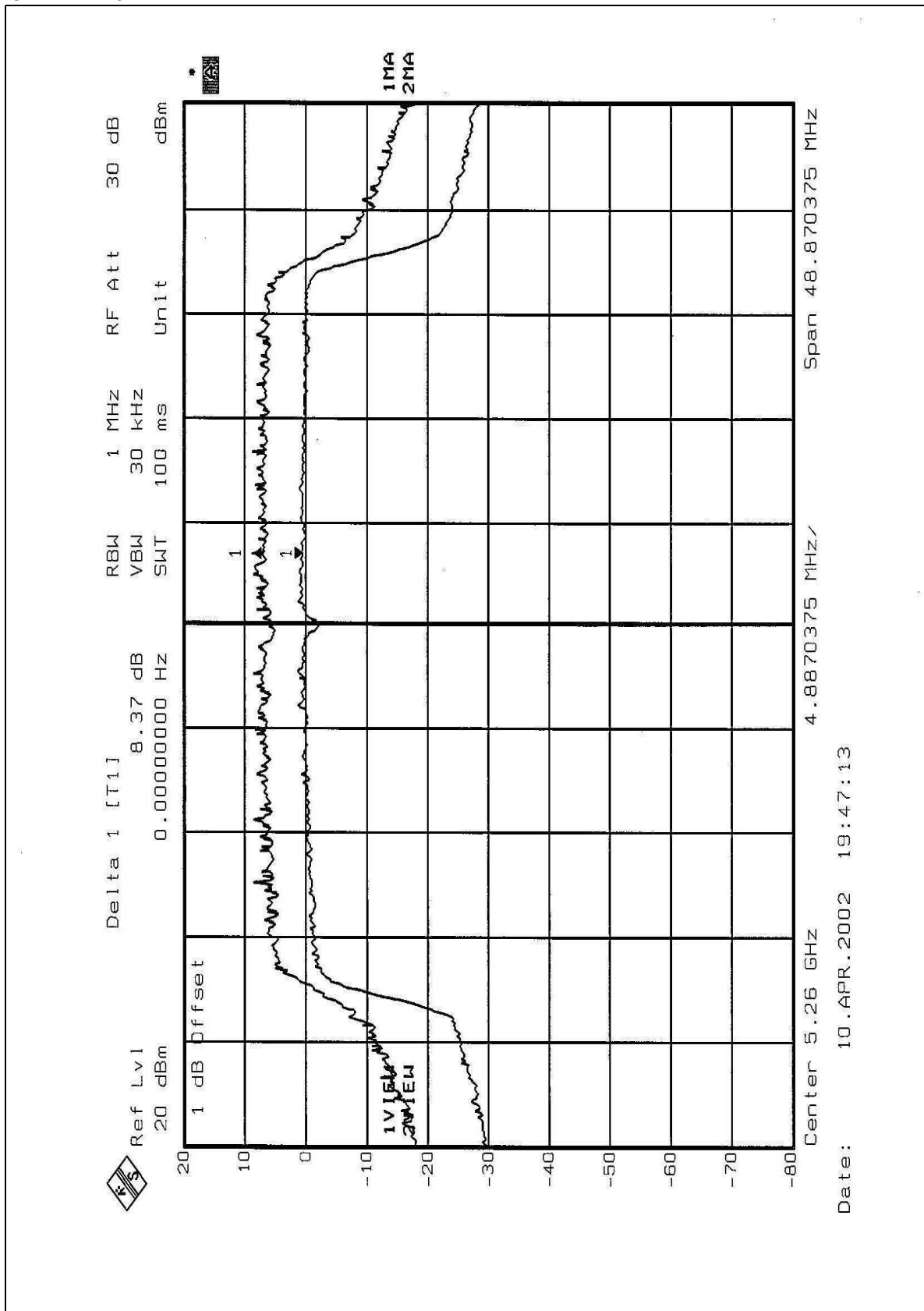
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dBm)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	8.15	13	PASS
4	5240	8.51	13	PASS
5	5260	8.37	13	PASS
8	5320	8.43	13	PASS

Delta 1 [T1]
 8.15 dB
 0.00000000 Hz
 Ref Lvl
 20 dBm
 1 dB Offset
 RBW
 1 MHz
 VBW
 30 kHz
 SWT
 100 ms
 RF Att
 Unit
 dBm
 1MA
 2MA
 1V 100mV
 100ms 100ms
 Center 5.18 GHz
 5 MHz
 Span 50 MHz
 Date: 10.APR.2002 19:21:53

CHANNEL 4



CHANNEL 5



CHANNEL 8

