

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

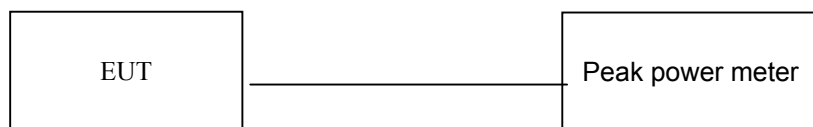
NOTE:

- 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.



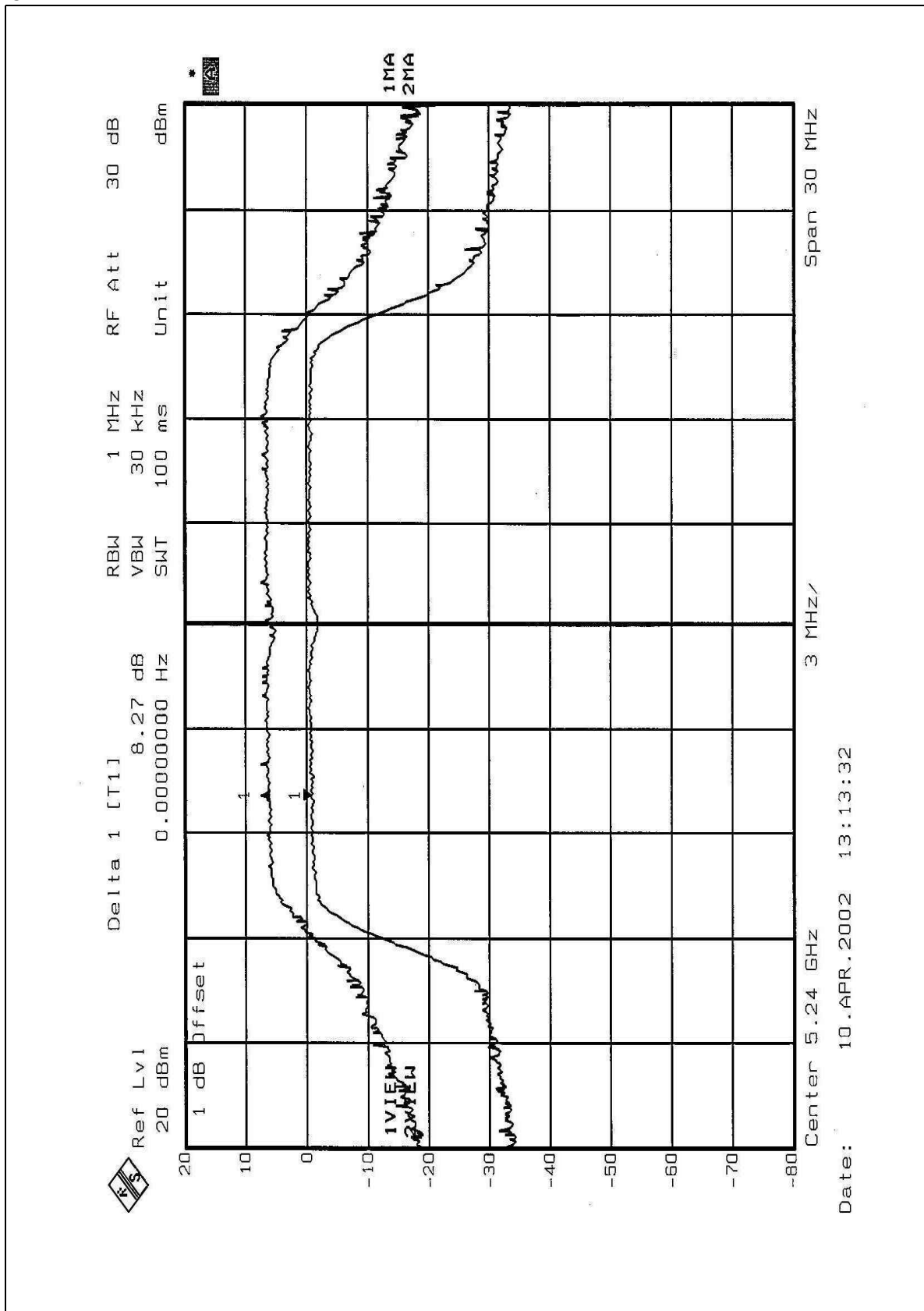
4.4.6 TEST RESULTS

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

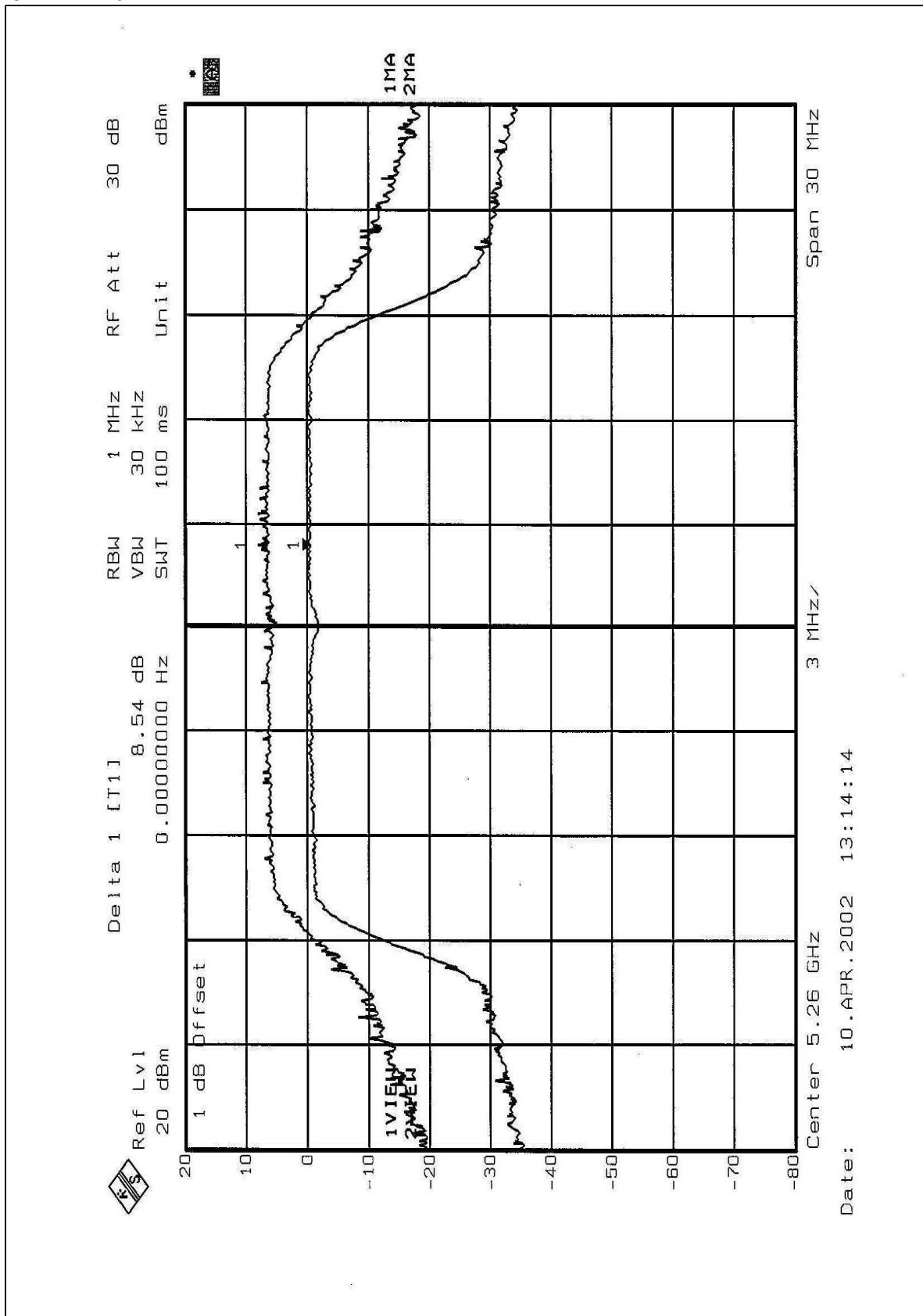
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	8.48	13	PASS
4	5240	8.27	13	PASS
5	5260	8.54	13	PASS
8	5320	7.74	13	PASS

Delta 1 [T1] 8.48 dB
 Ref Lvl 20 dBm
 1 dB Offset
 1 V/div
 1 MA
 2 MA
 Center 5.18 GHz
 Span 30 MHz
 Date: 10.APR.2002 13:12:23

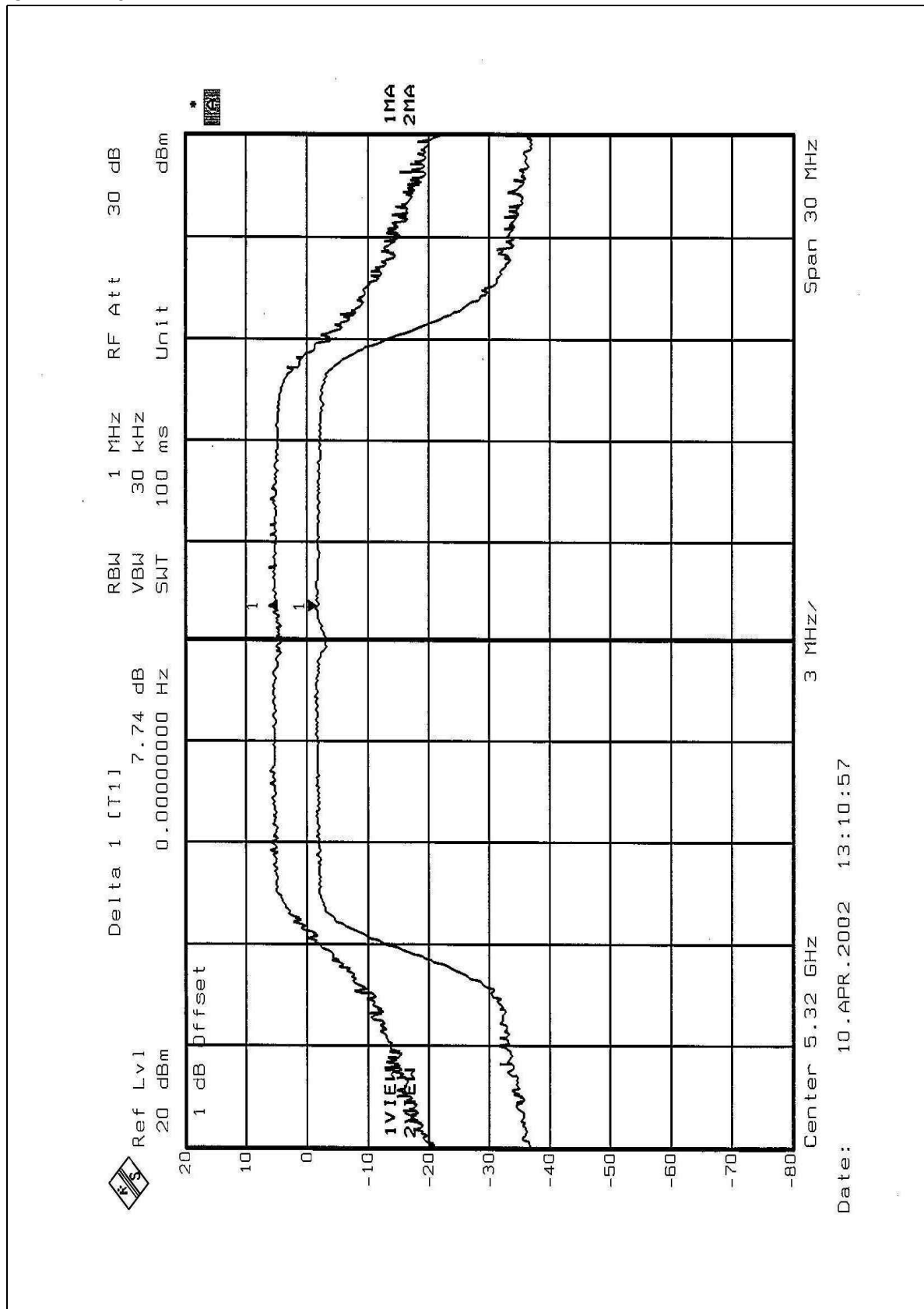
CHANNEL 4



CHANNEL 5



CHANNEL 8

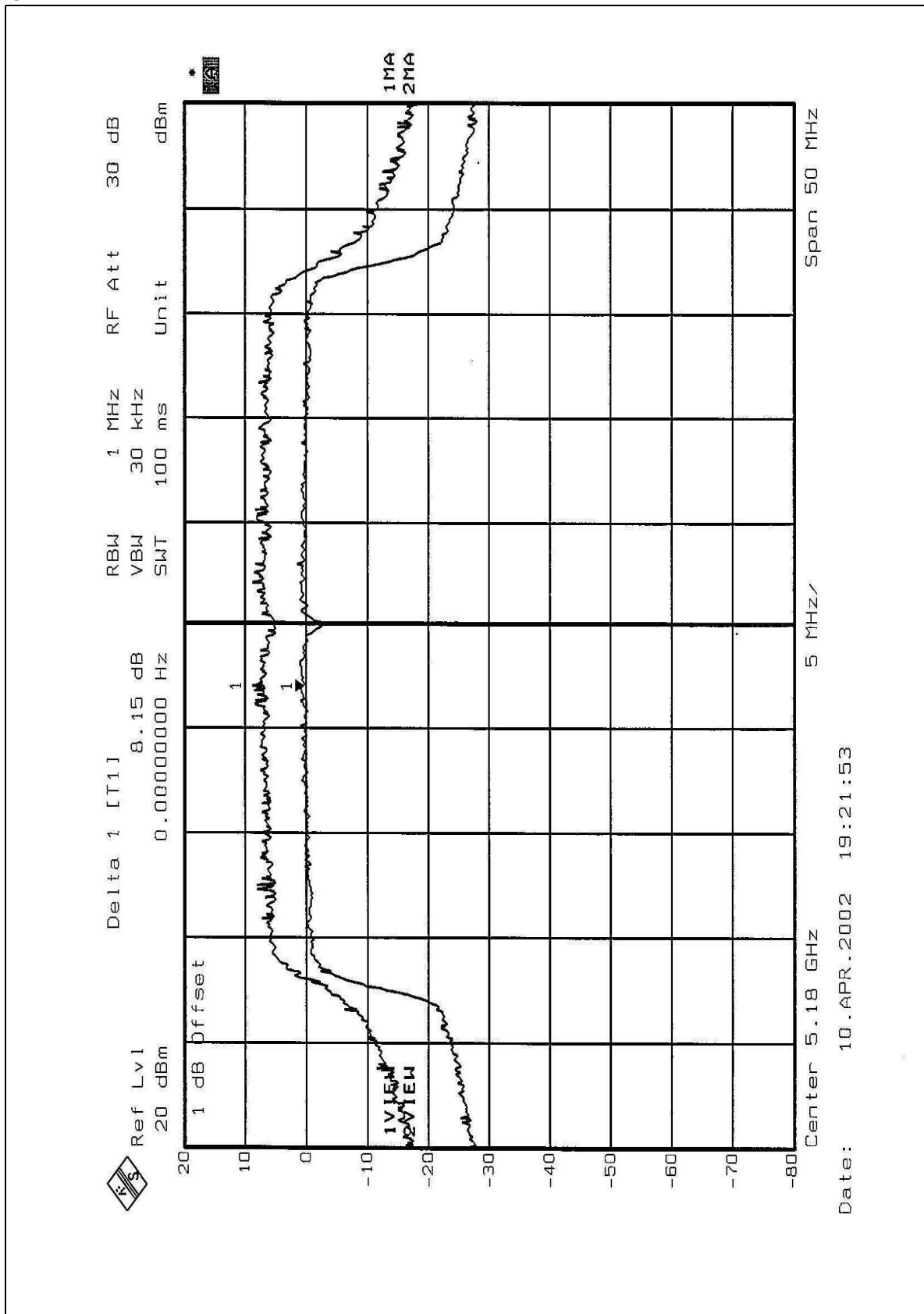




EUT	54Mbps Wireless Access Point	MODEL	WAP54A
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	27 deg. C, 52%RH, 1005 hPa	TESTED BY	Steven Lu

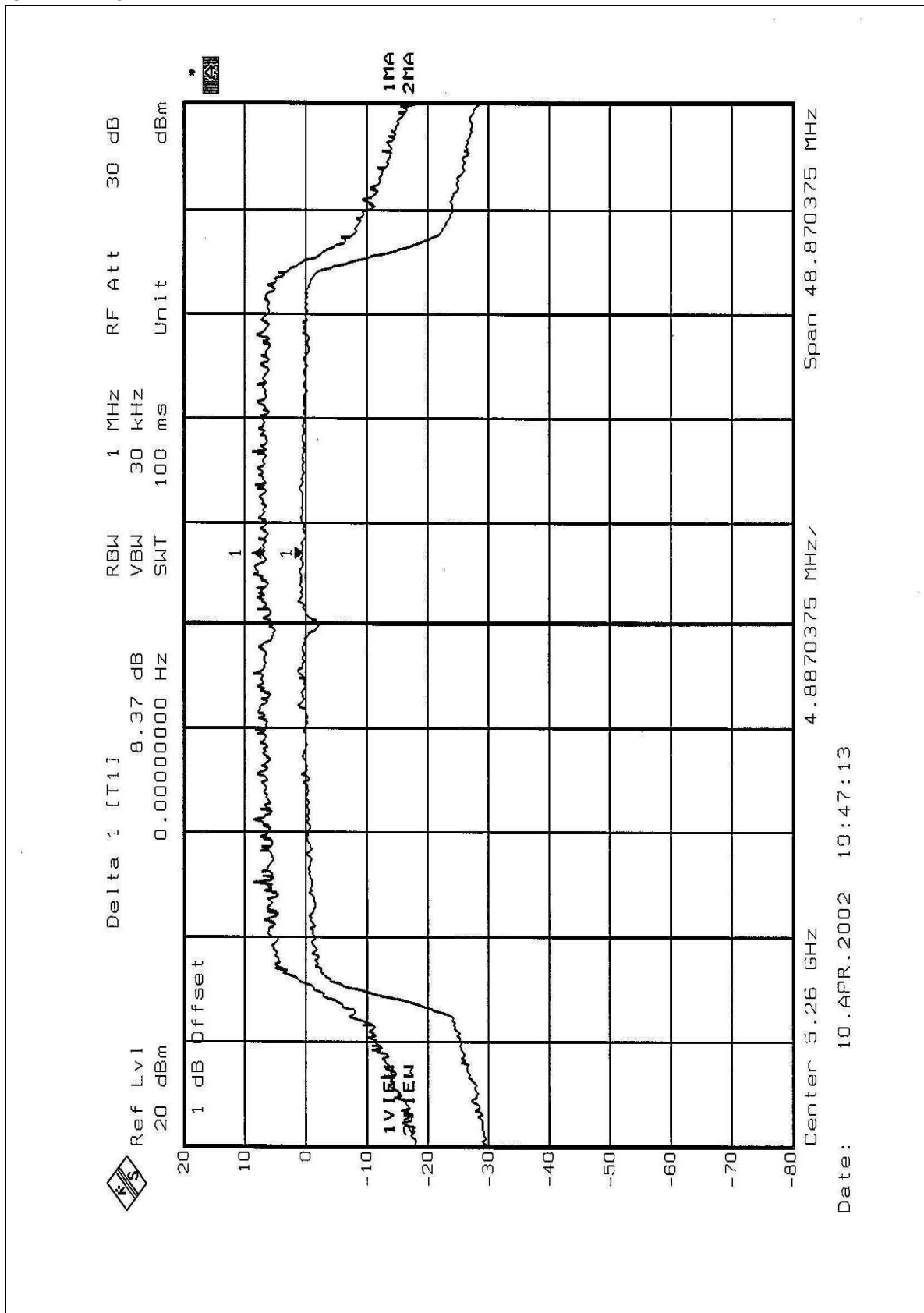
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dBm)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	8.15	13	PASS
4	5240	8.51	13	PASS
5	5260	8.37	13	PASS
8	5320	8.43	13	PASS

CHANNEL 1



[illegible]

CHANNEL 5



CHANNEL 8

