

## 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

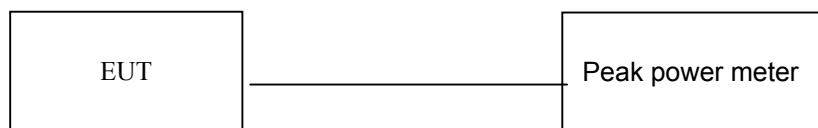
**NOTE:**

- 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.

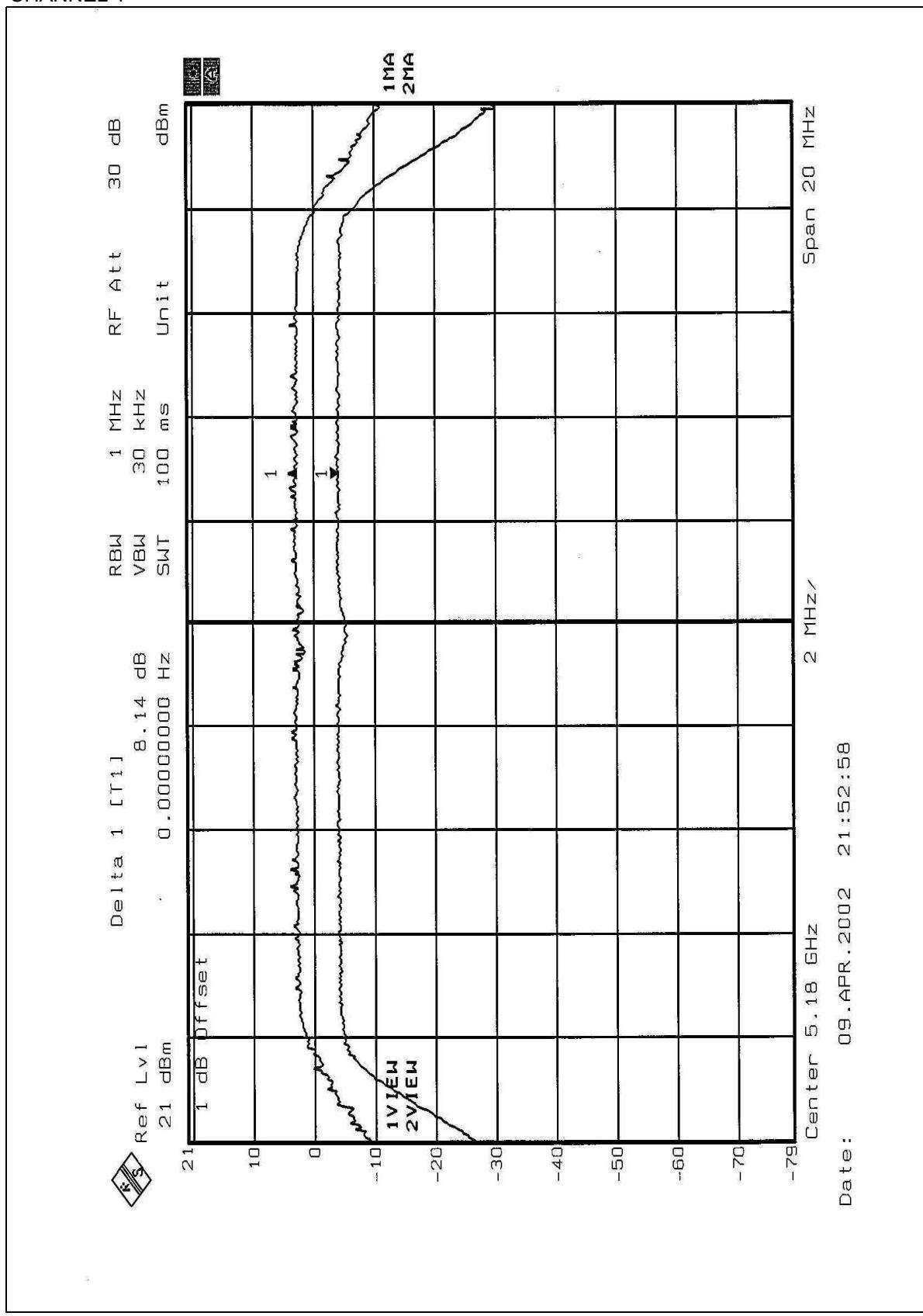


## 4.4.6 TEST RESULTS

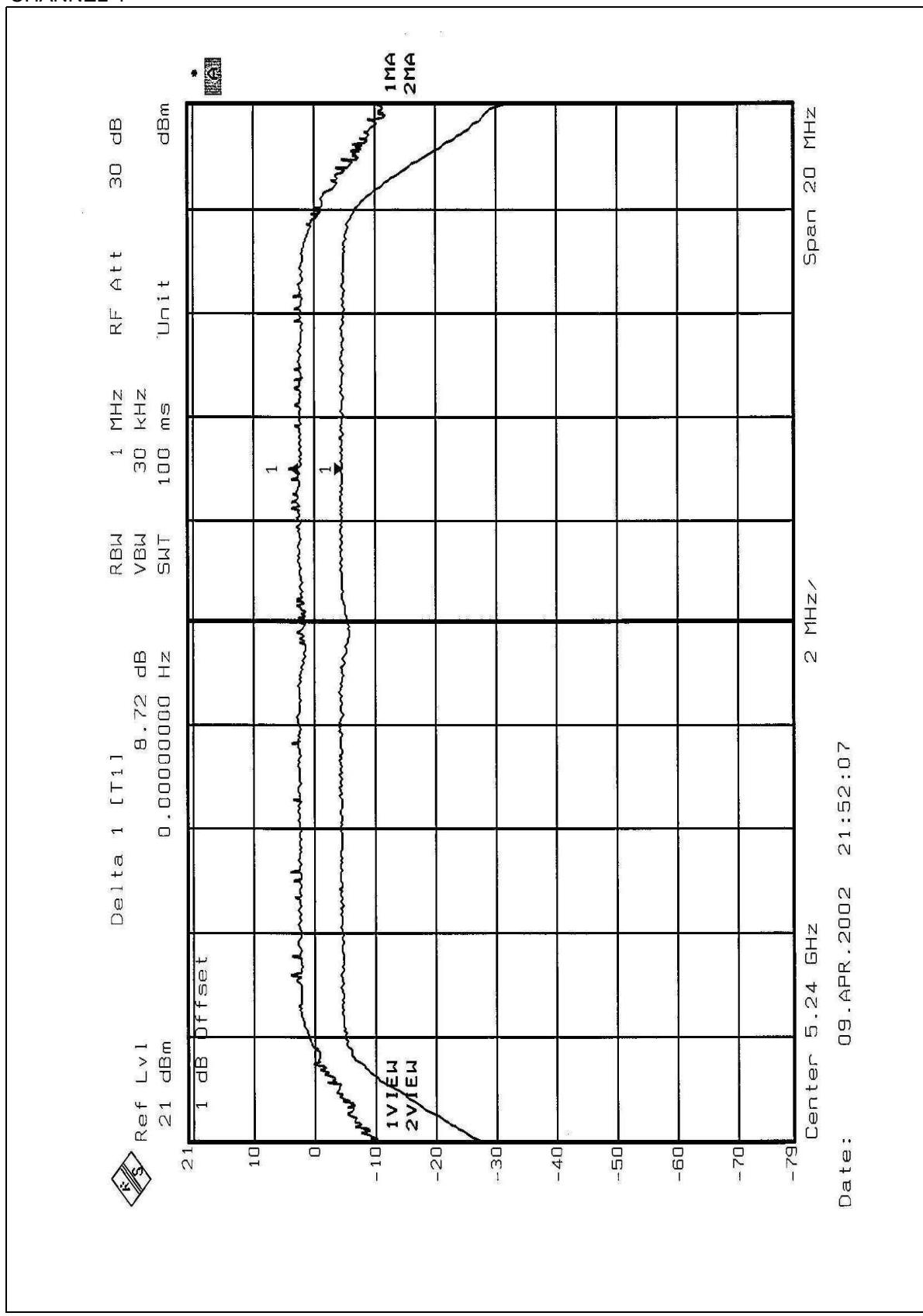
<b>EUT</b>	54Mbps Wireless Network PC Card	<b>MODEL</b>	WPC54A
<b>MODE</b>	Normal	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>ENVIRONMENTAL CONDITIONS</b>	21 deg. C, 50%RH, 1005 hPa	<b>TESTED BY</b>	Bruce Shiau

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

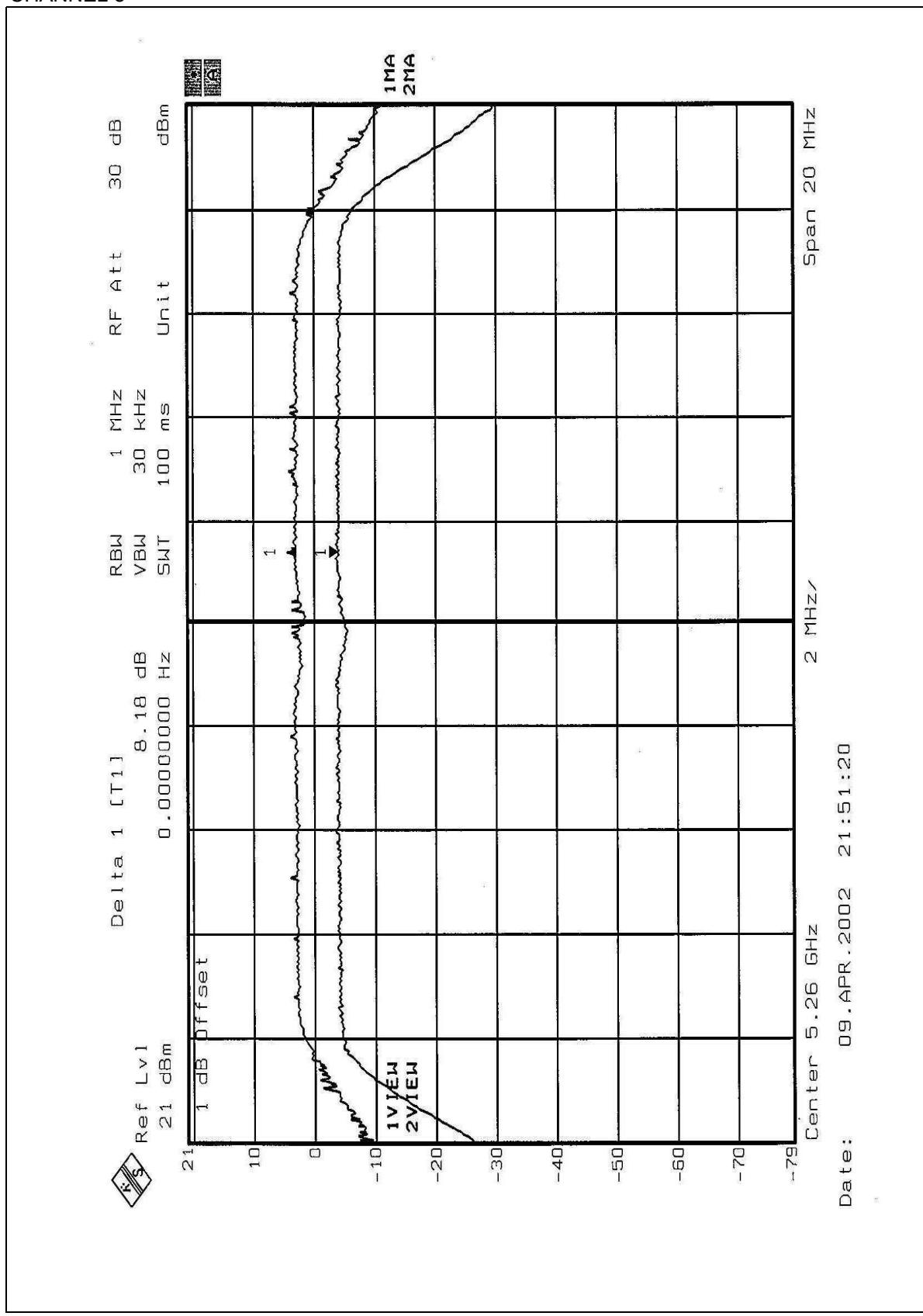
## CHANNEL 1



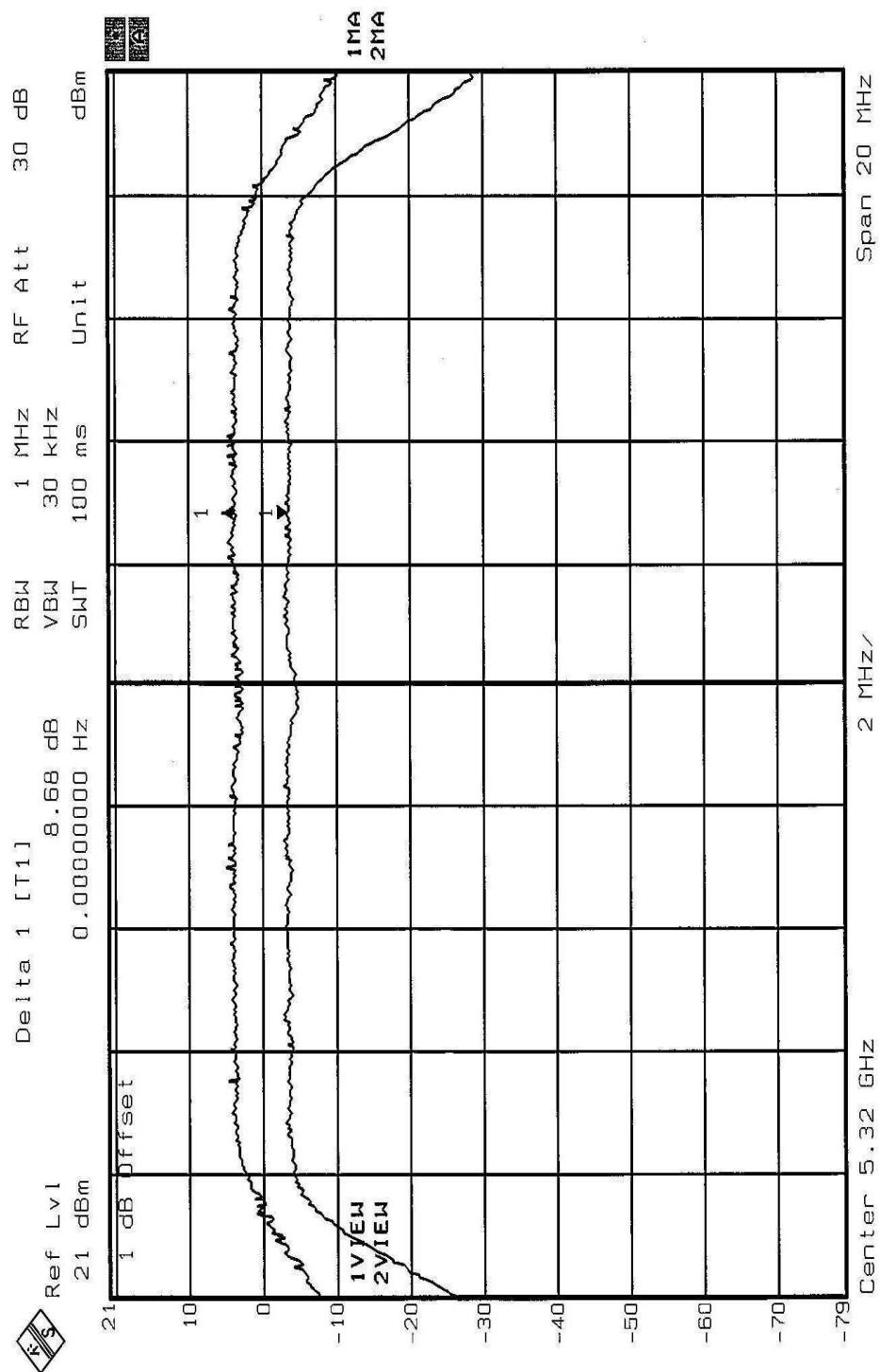
## CHANNEL 4



## CHANNEL 5



## CHANNEL 8



FCC ID: PKW-WPC54A



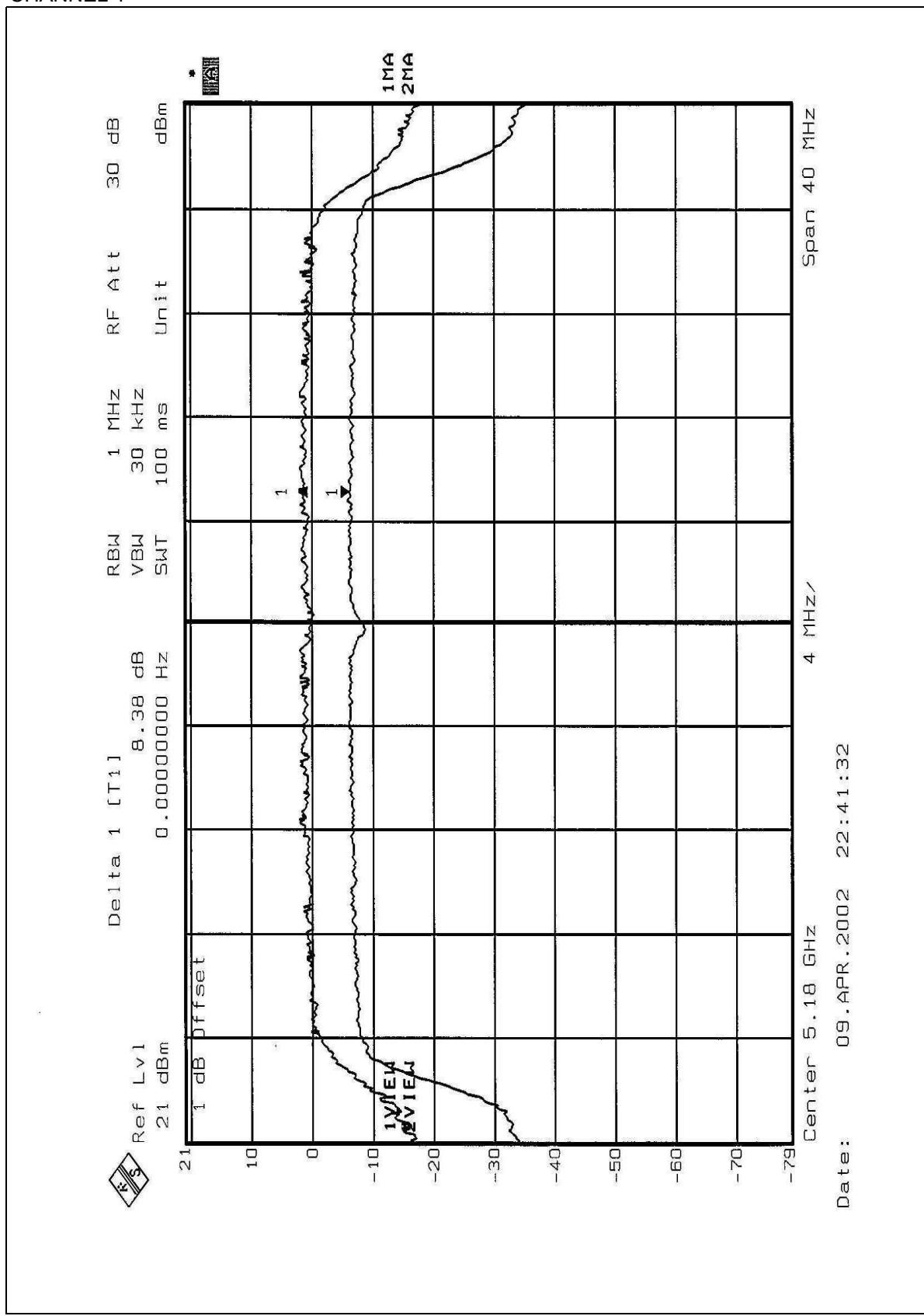
<b>EUT</b>	54Mbps Wireless Network PC Card	<b>MODEL</b>	WPC54A
<b>MODE</b>	Turbo	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>ENVIRONMENTAL CONDITIONS</b>	21 deg. C, 50%RH, 1005 hPa	<b>TESTED BY</b>	Bruce Shiau

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

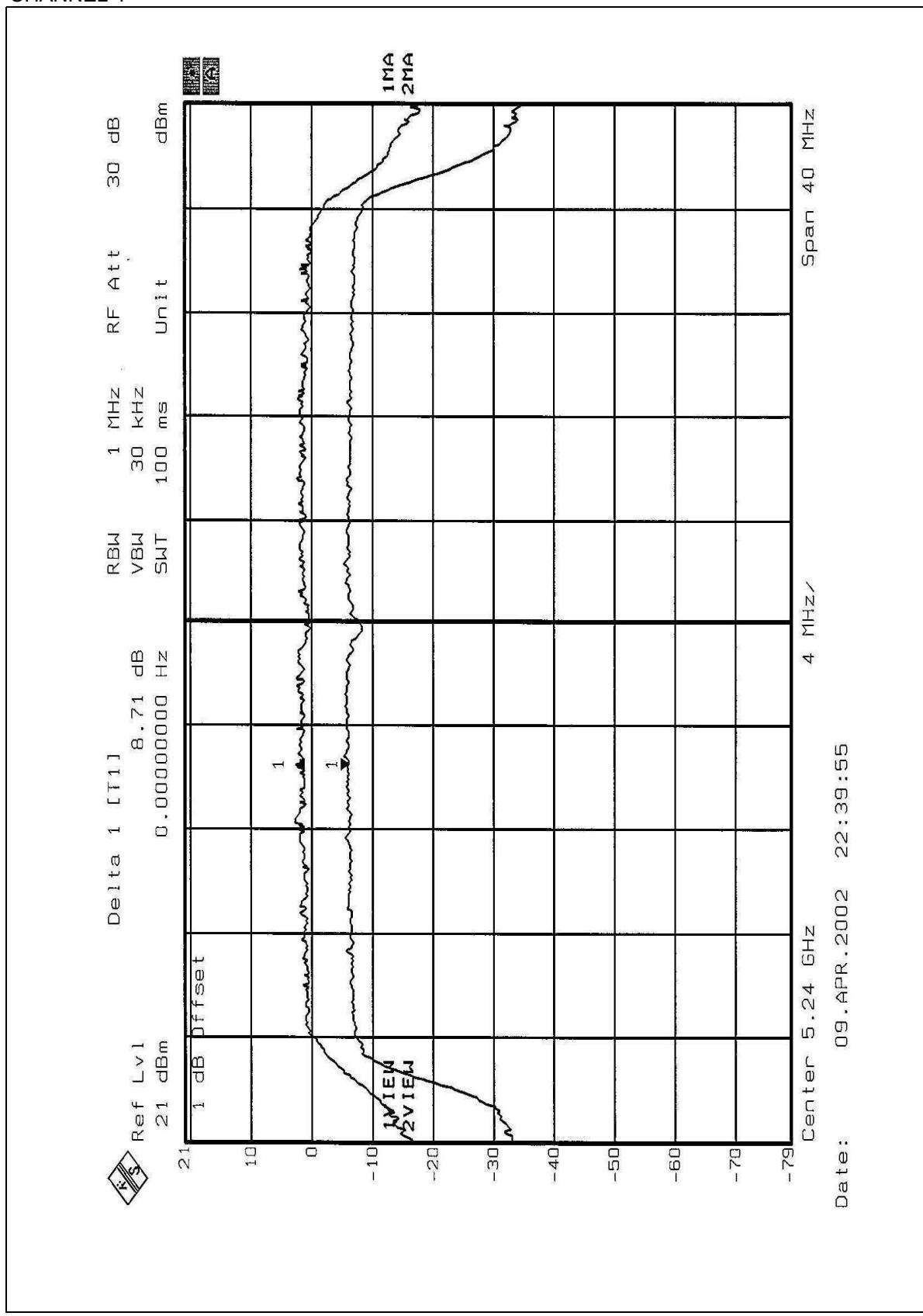
FCC ID: PKW-WPC54A



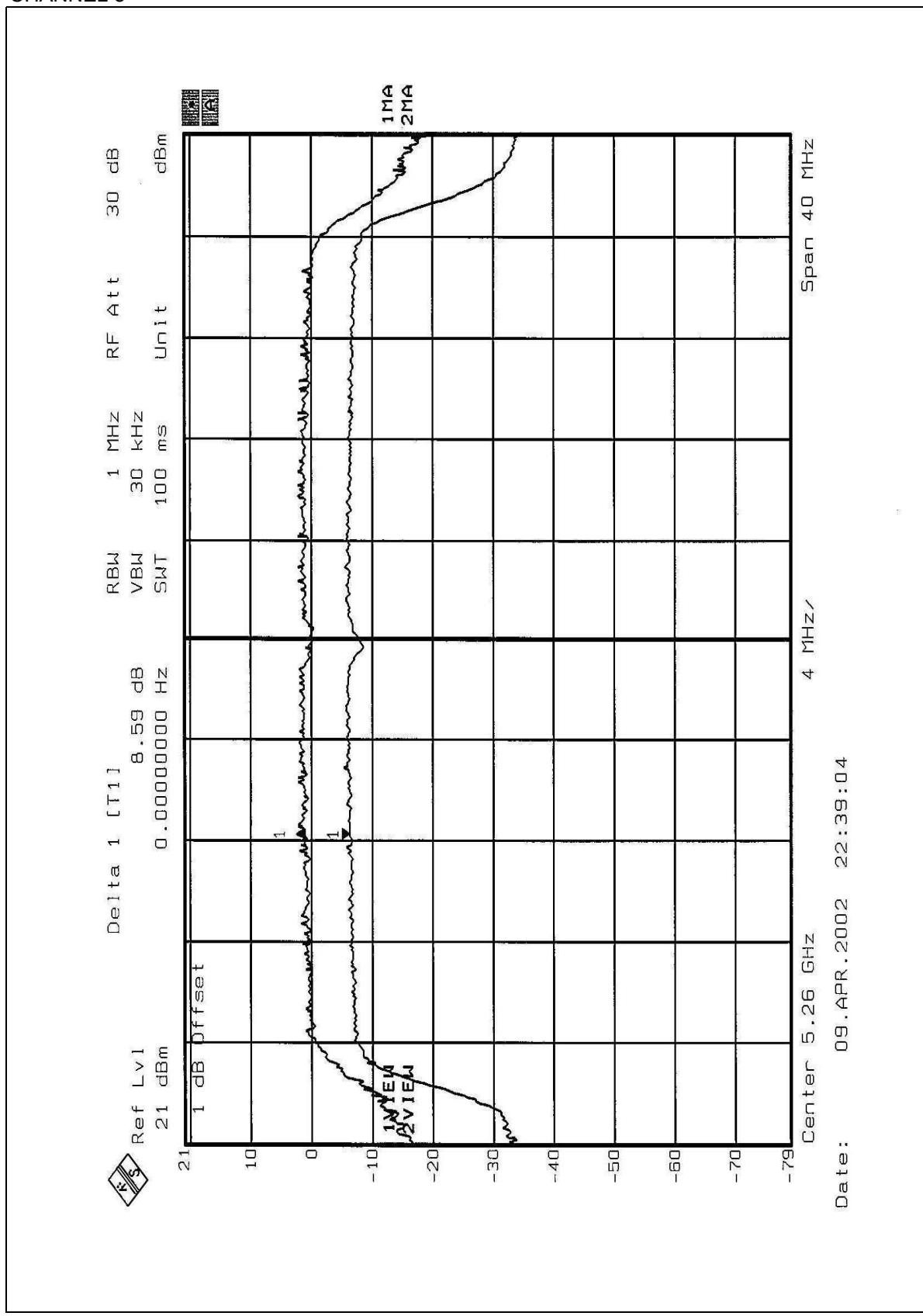
CHANNEL 1



CHANNEL 4



## CHANNEL 5



## CHANNEL 8

