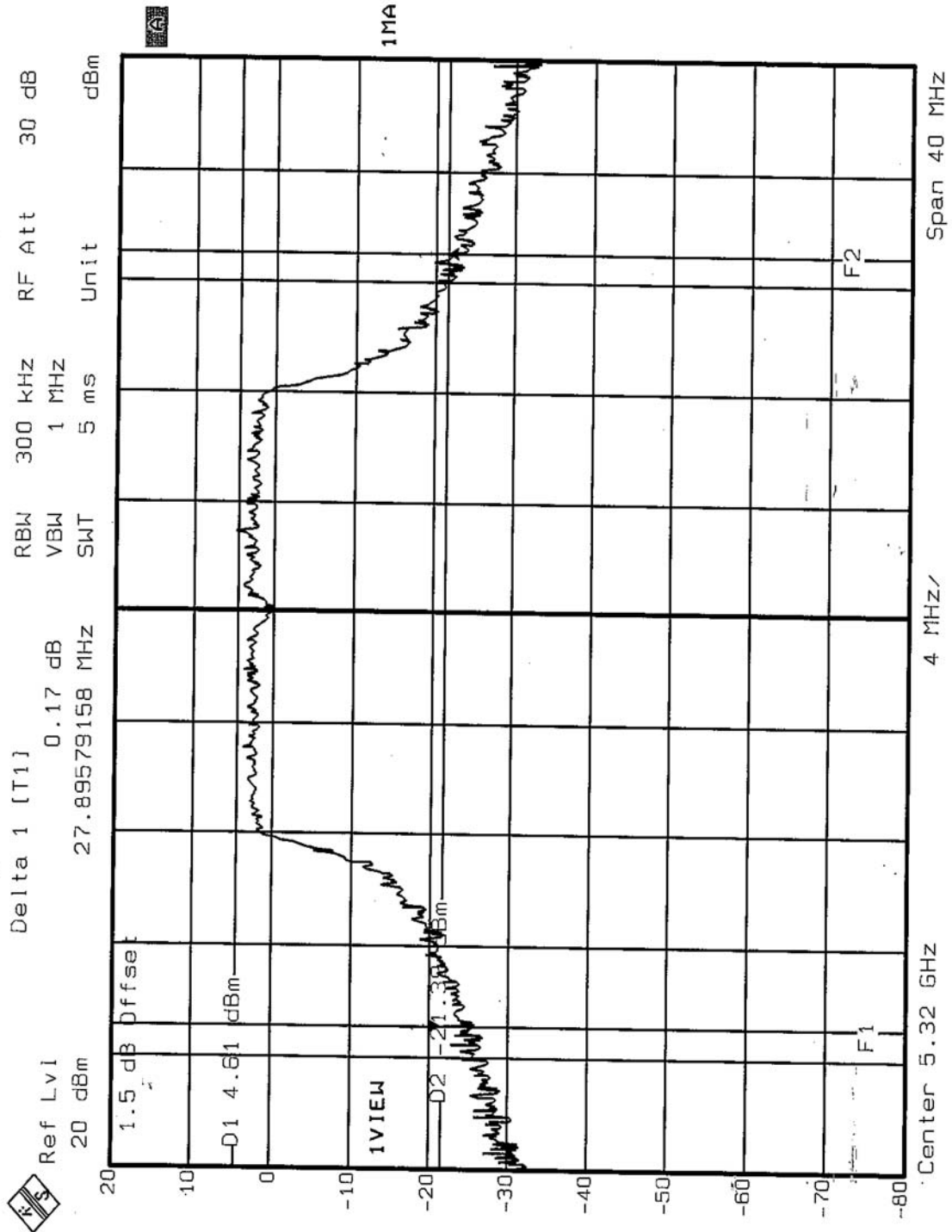


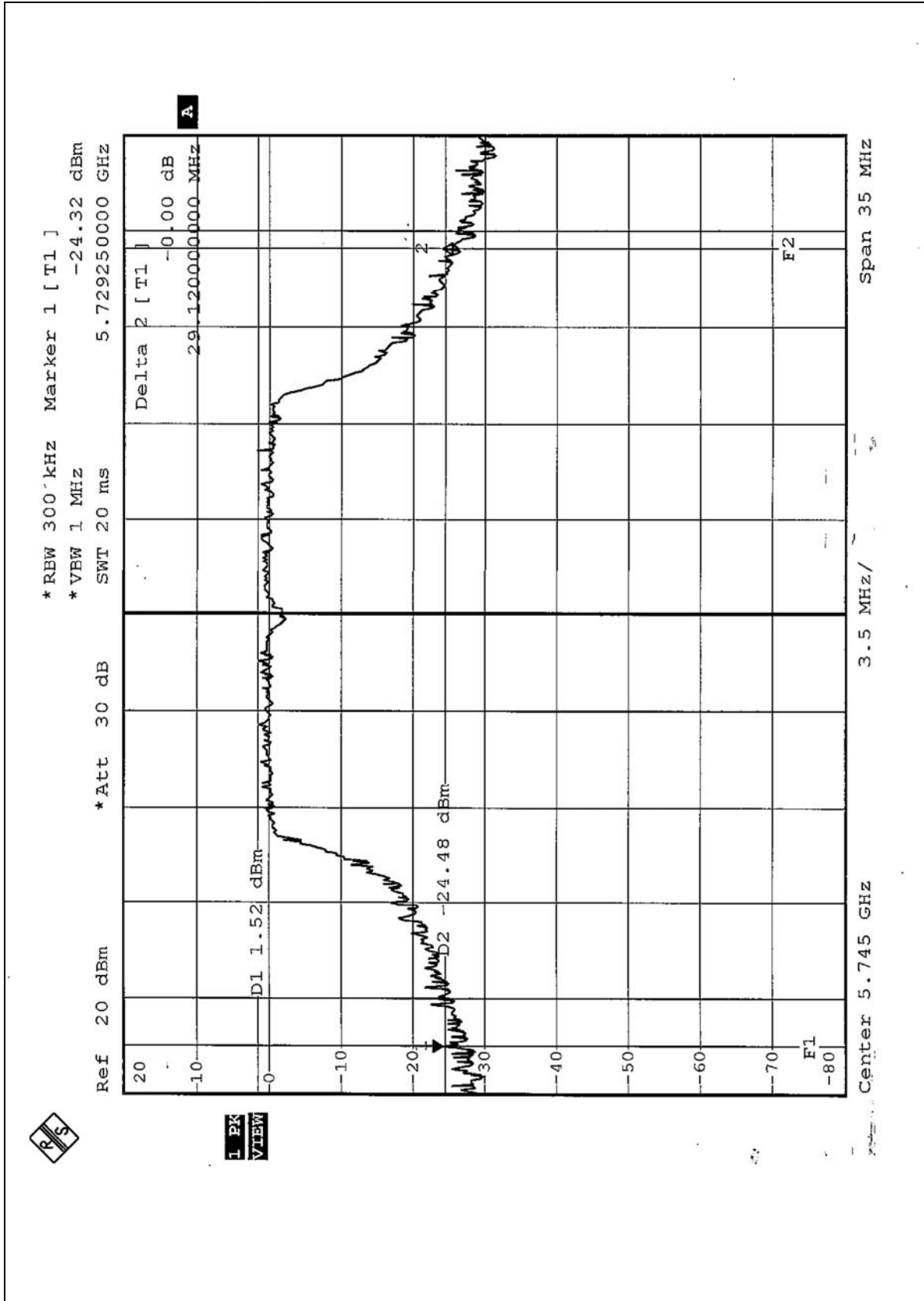


CH8



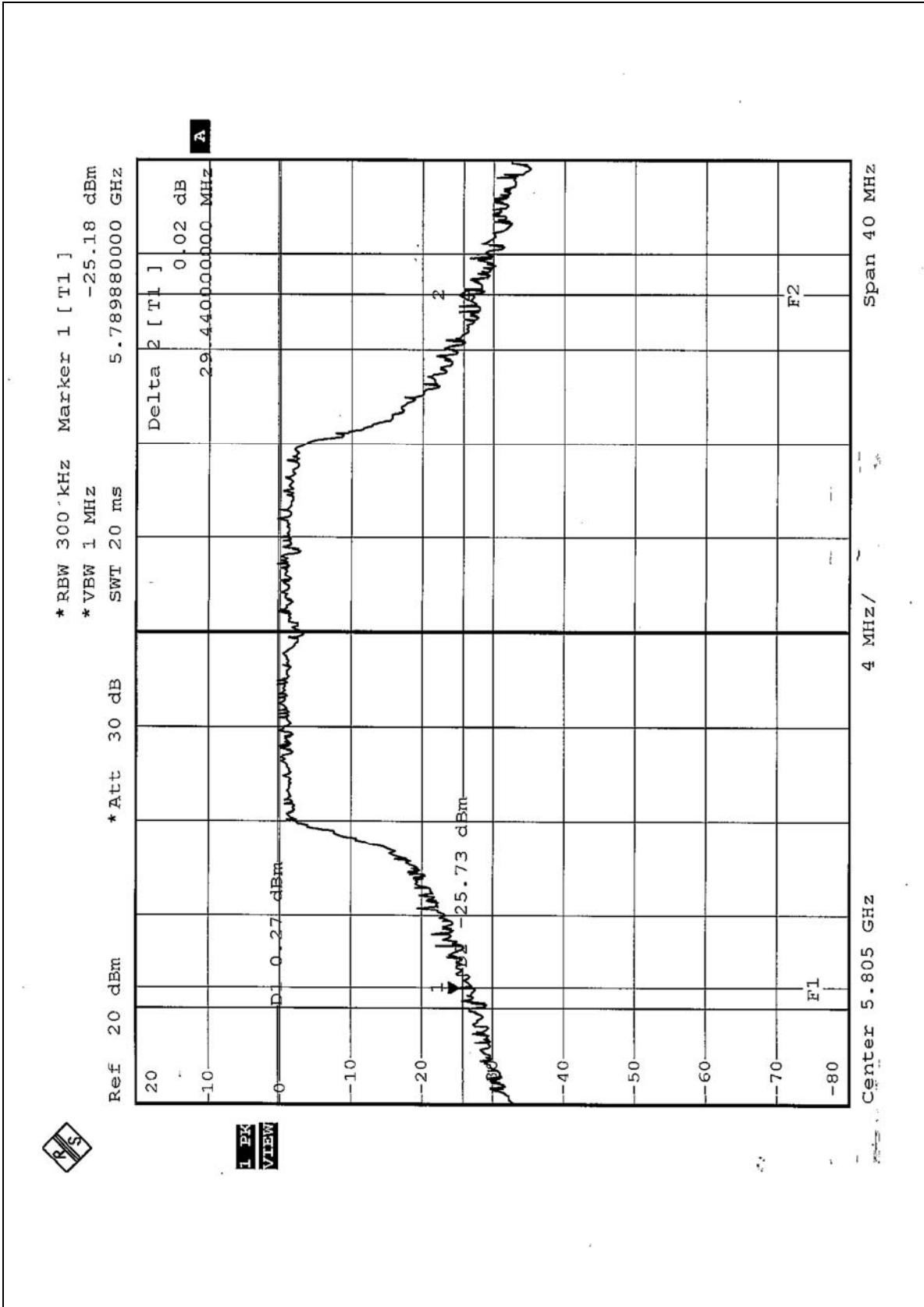


CH9





CH12



1 PK VIEW



## 5.4 PEAK POWER EXCURSION MEASUREMENT

### 5.4.1 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

### 5.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	August 12, 2004

**NOTE:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.



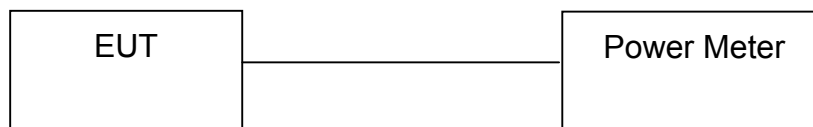
### 5.4.3 TEST PROCEDURE

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 (RB=1MHz, VB=3MHz) and 2 (RB=1MHz, VB=300kHz).
4. The largest difference between Trace 1 and Trace 2 in any 1MHz band on any frequency was recorded.

### 5.4.4 DEVIATION FROM TEST STANDARD

No deviation

### 5.4.5 TEST SETUP



### 5.4.6 EUT OPERATING CONDITIONS

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



## 5.4.7 TEST RESULTS

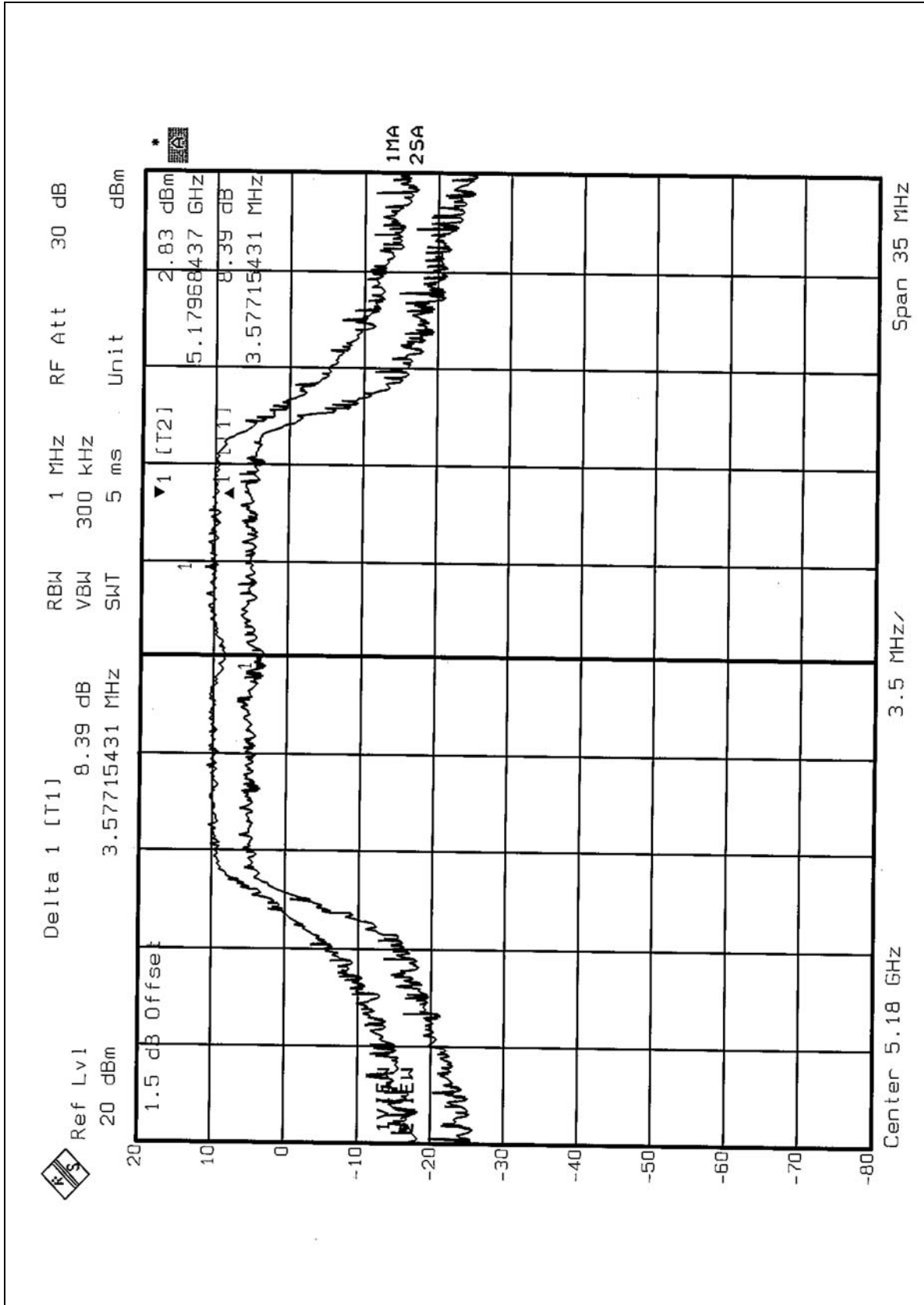
**NORMAL MODE (MODE 1 、 MODE 2)**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>ENVIRONMENTAL CONDITIONS</b>	24deg. C, 65%RH, 991hPa	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>TESTED BY</b>	Ansen Lei		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz)</b>	<b>PEAK POWER EXCURSION (dB)</b>	<b>PEAK to AVERAGE EXCURSION LIMIT (dB)</b>	<b>PASS/FAIL</b>
1	5180	8.39	13	PASS
4	5240	8.32	13	PASS
5	5260	7.92	13	PASS
8	5320	7.60	13	PASS
9	5745	7.86	13	PASS
12	5805	7.73	13	PASS

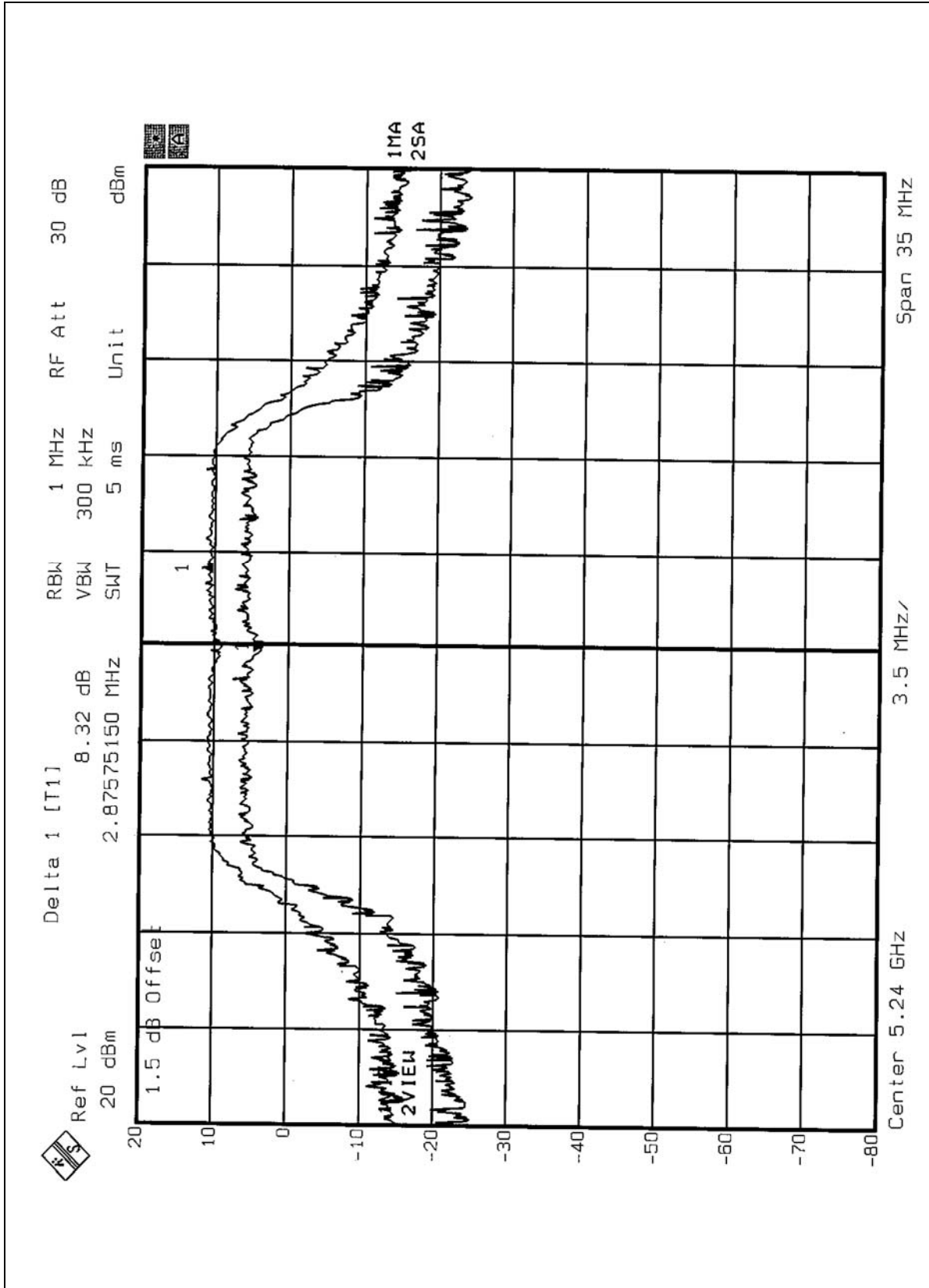


CH1





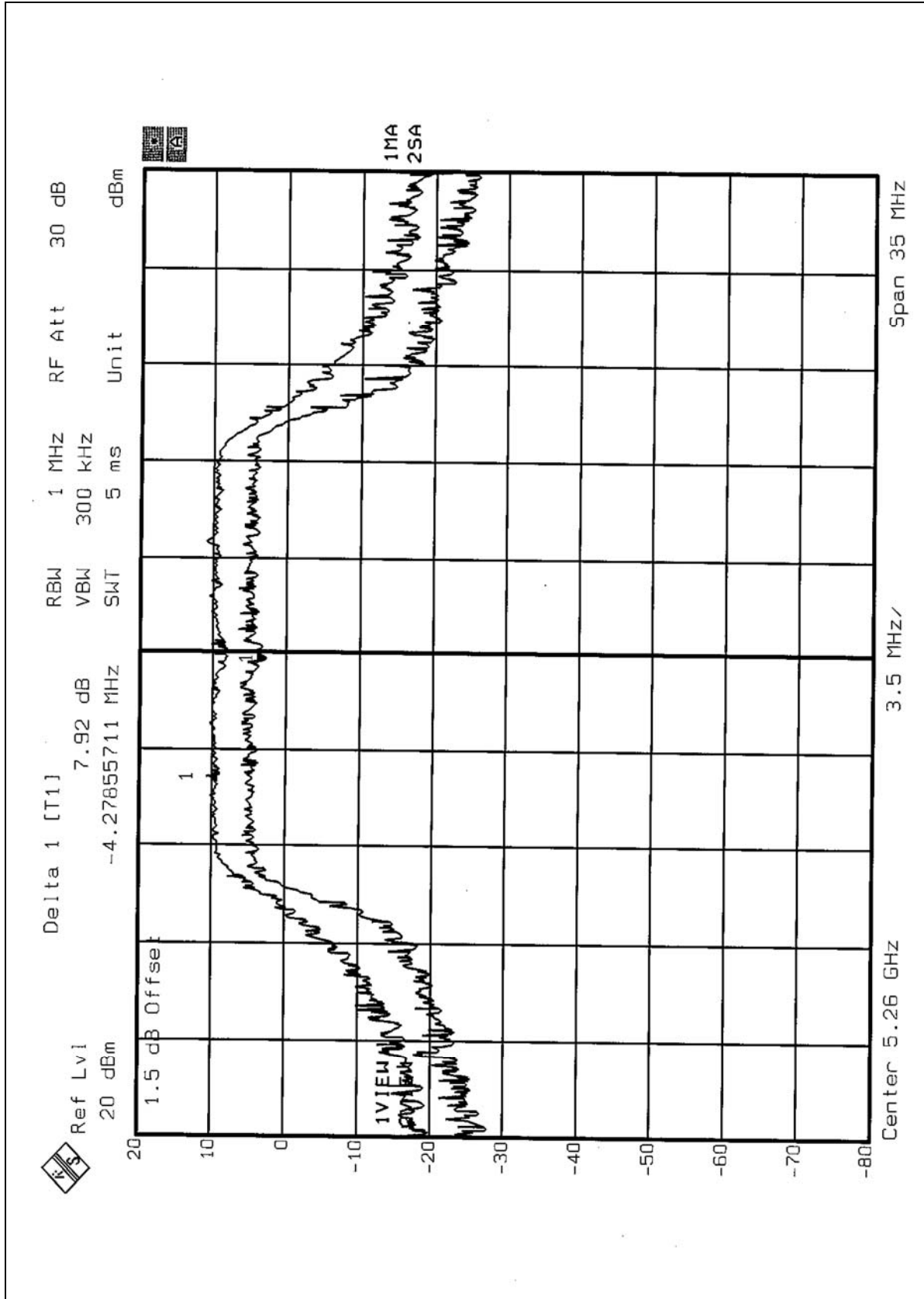
CH4





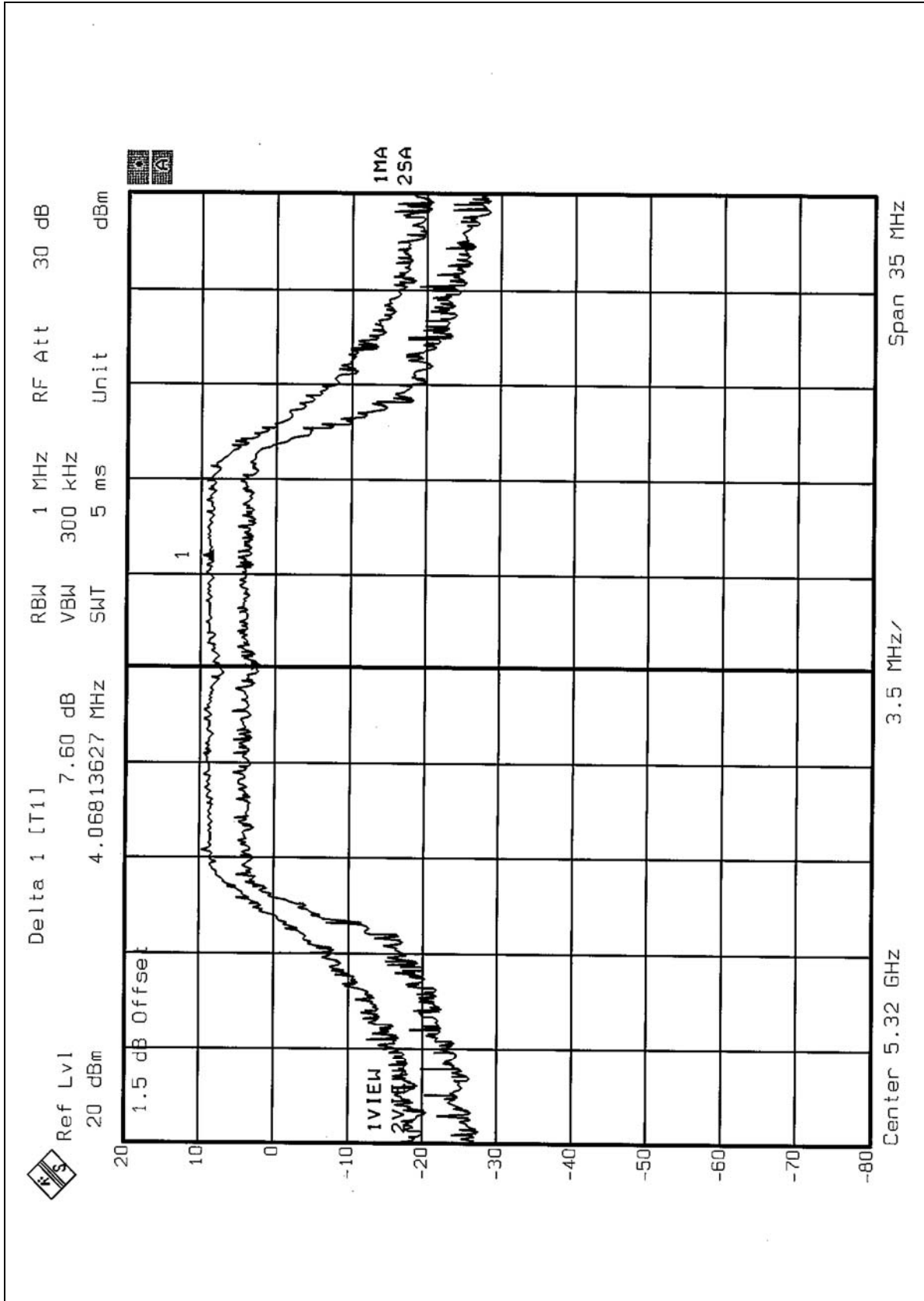


CH 5



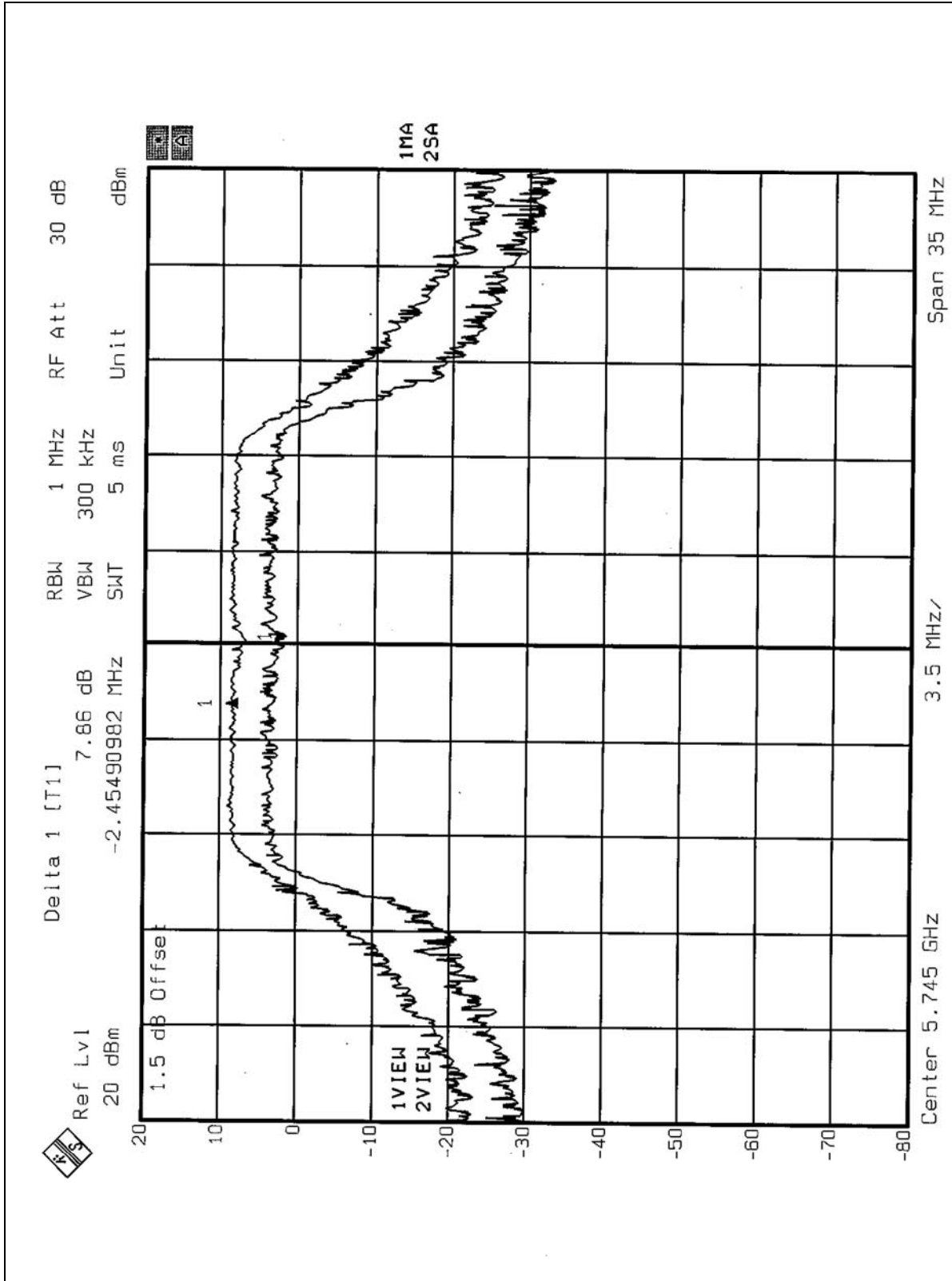


CH 8



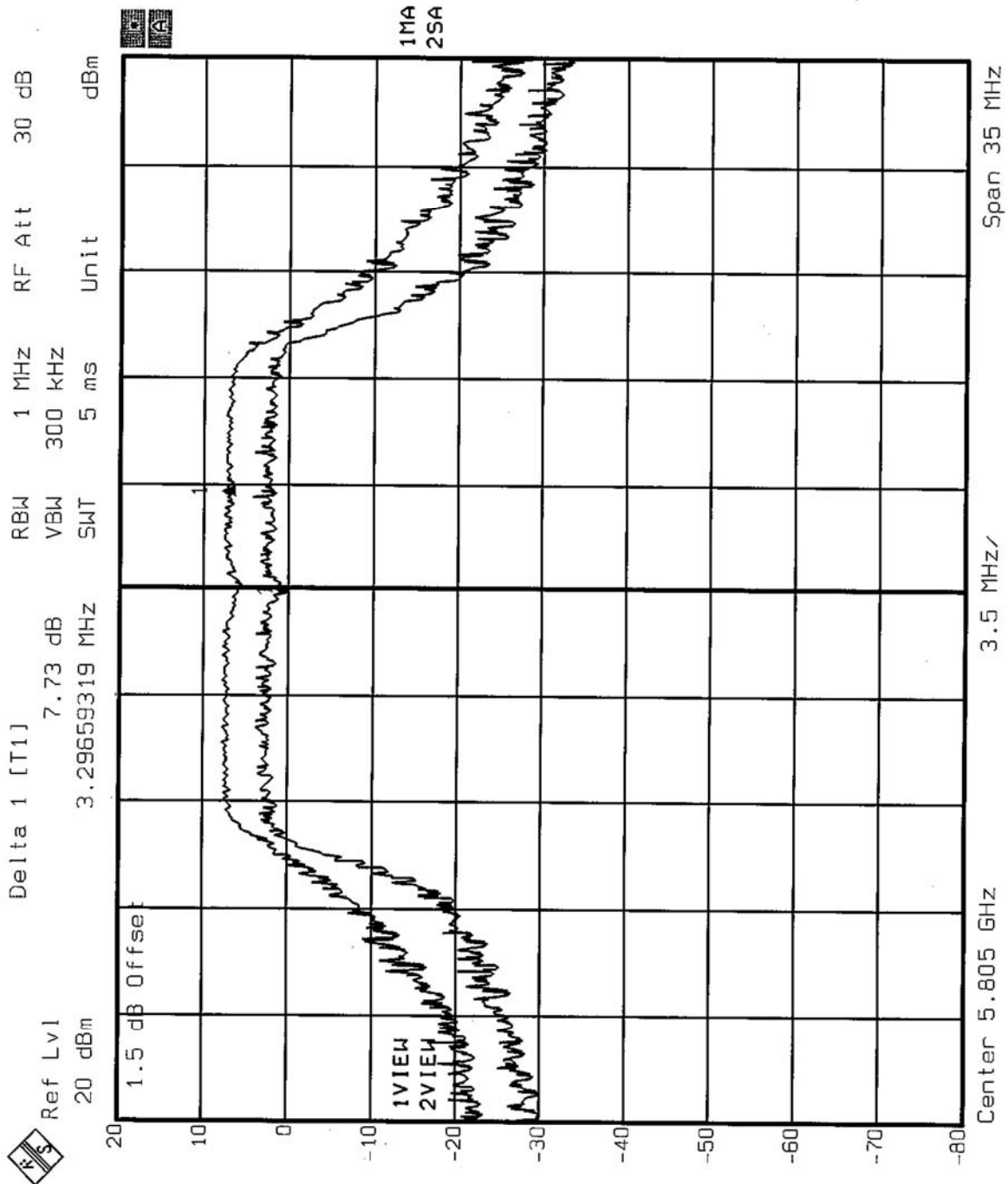


CH 9





CH 12



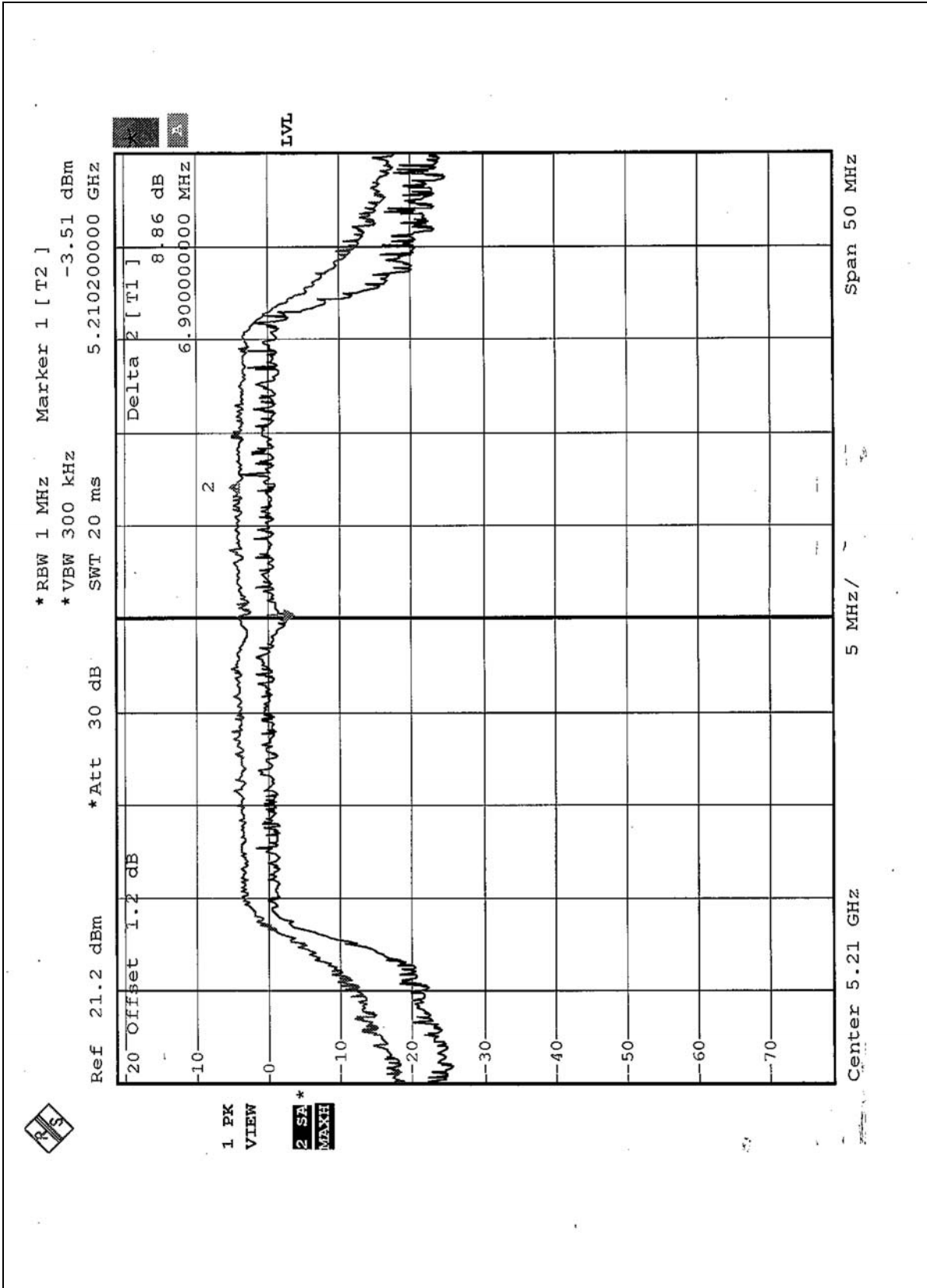
**TURBO MODE (MODE2)**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>ENVIRONMENTAL CONDITIONS</b>	24deg. C, 63%RH, 991hPa	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>TESTED BY</b>	Ansen Lei		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz)</b>	<b>PEAK POWER EXCURSION (dB)</b>	<b>PEAK to AVERAGE EXCURSION LIMIT (dB)</b>	<b>PASS/FAIL</b>
1	5210	8.86	13	PASS
2	5250	8.96	13	PASS
3	5290	9.05	13	PASS
4	5760	8.35	13	PASS
5	5800	9.08	13	PASS

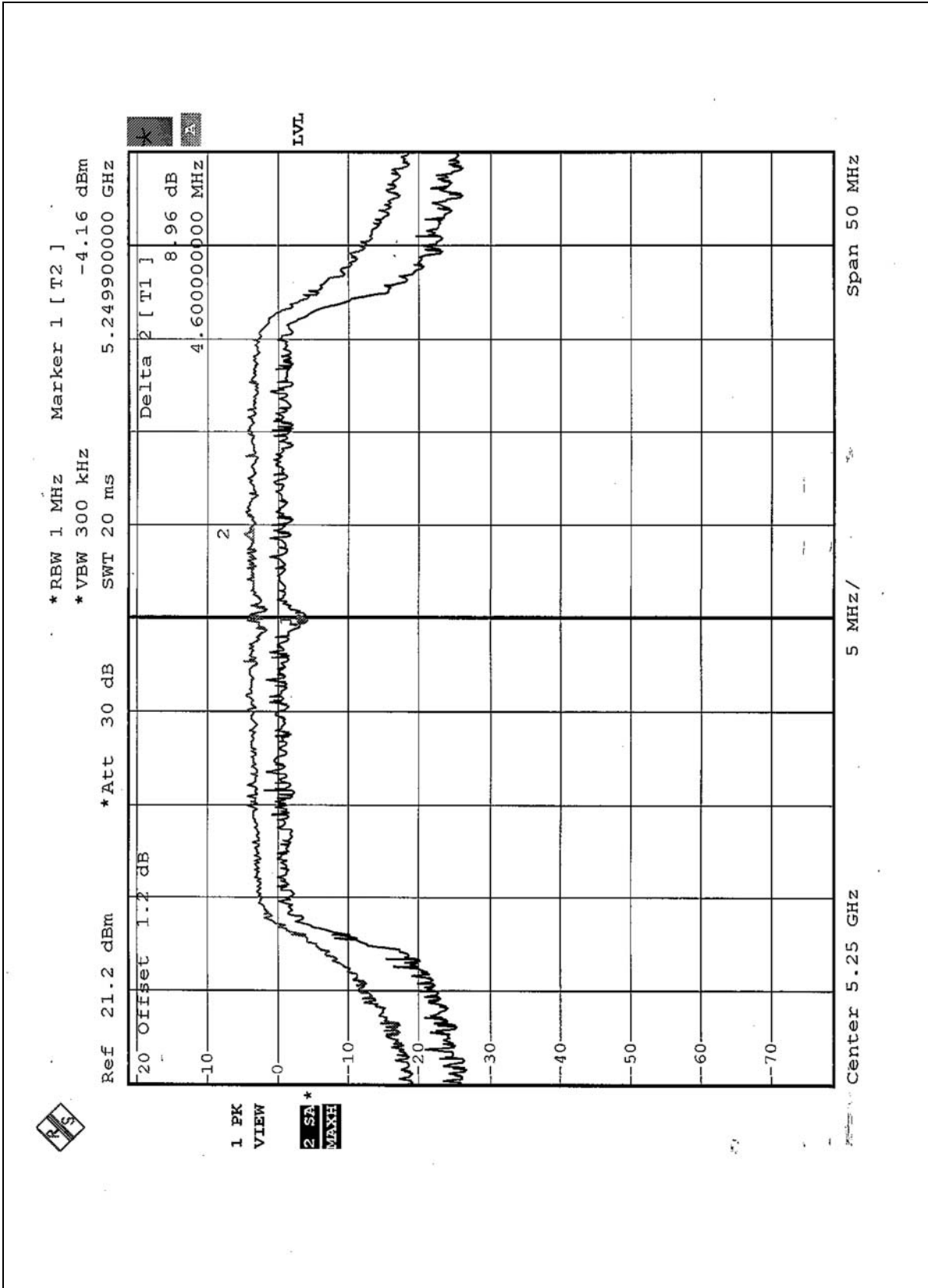


CH1



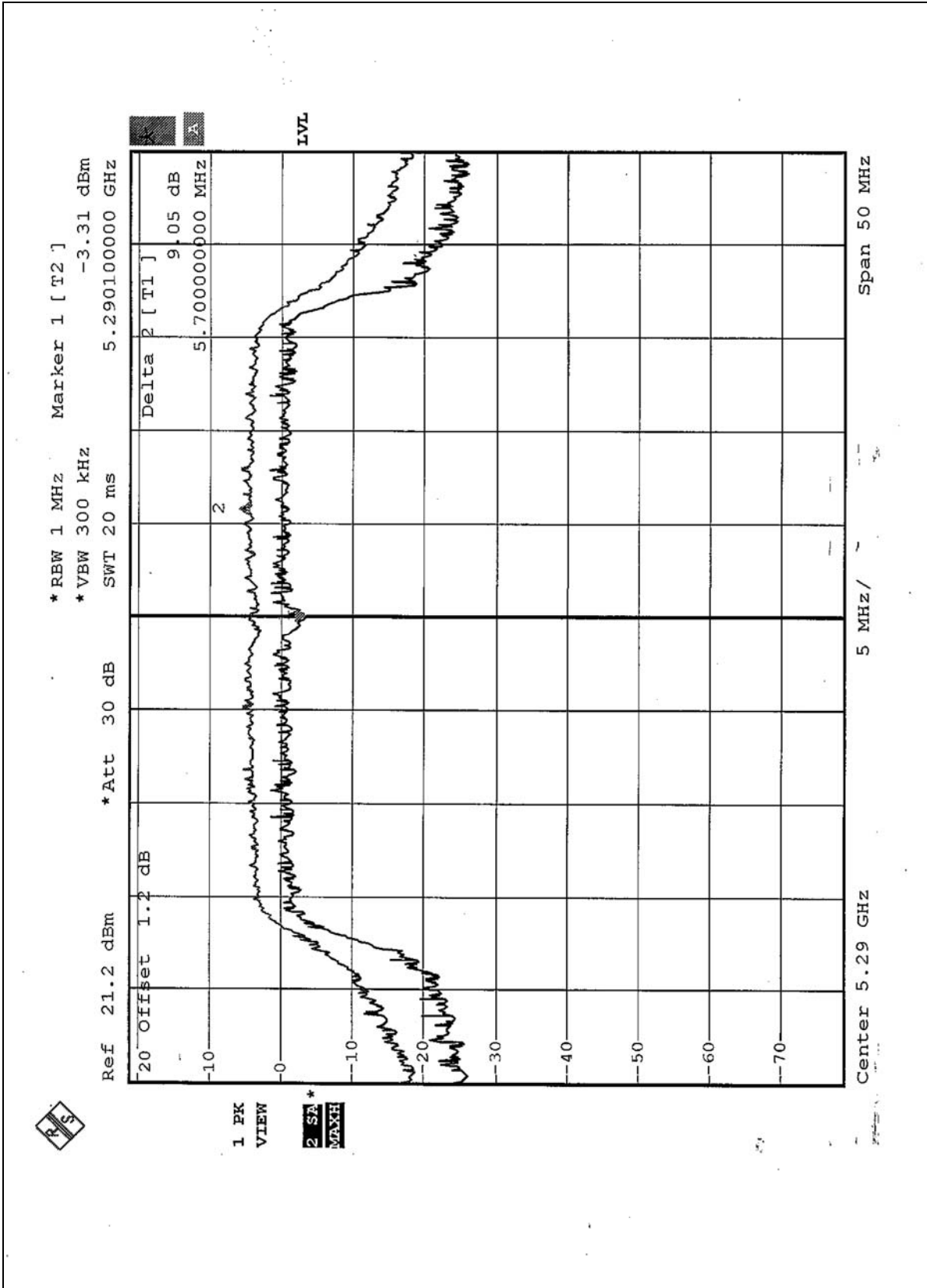


CH2





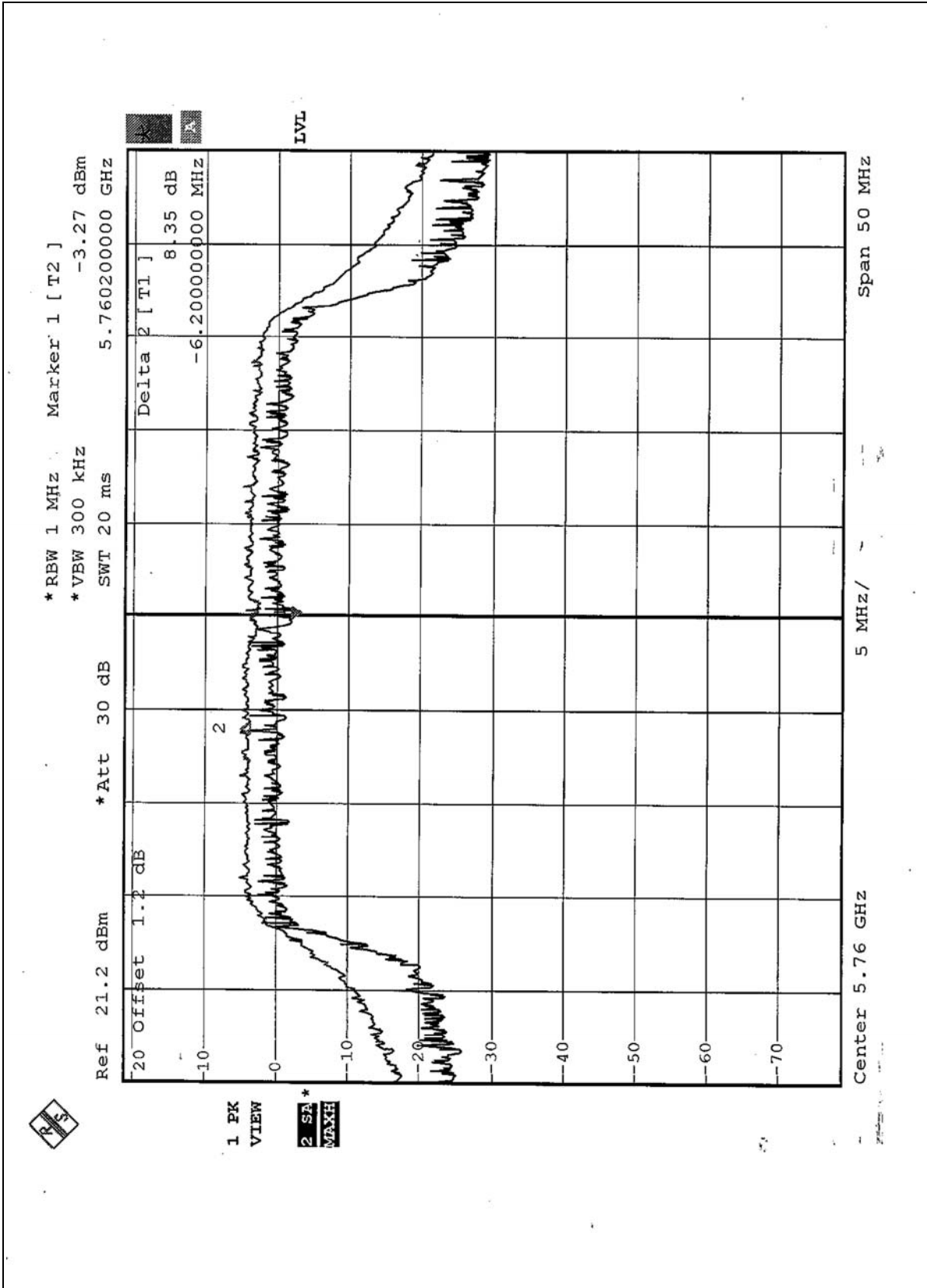
CH 3





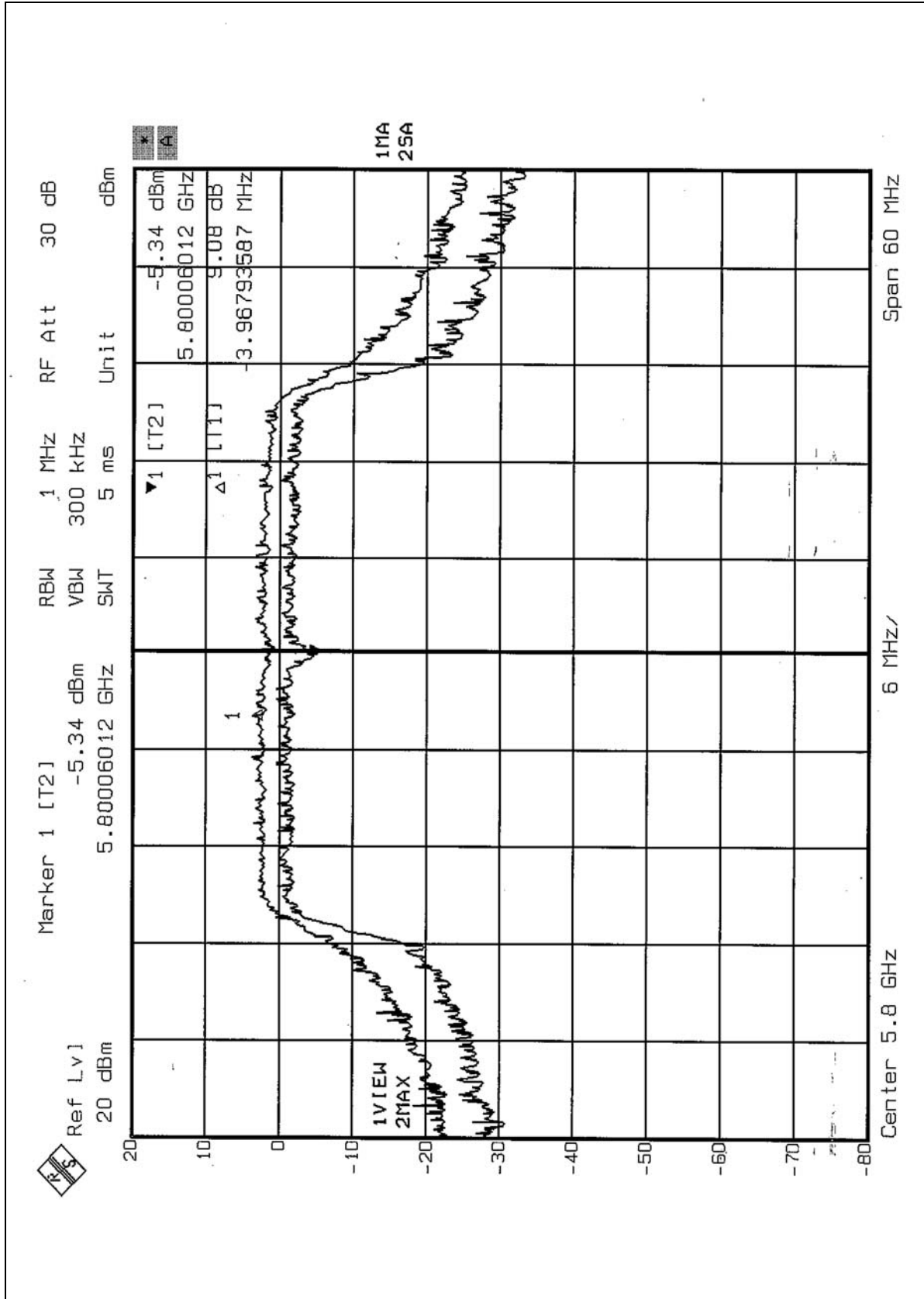


CH 4





CH 5



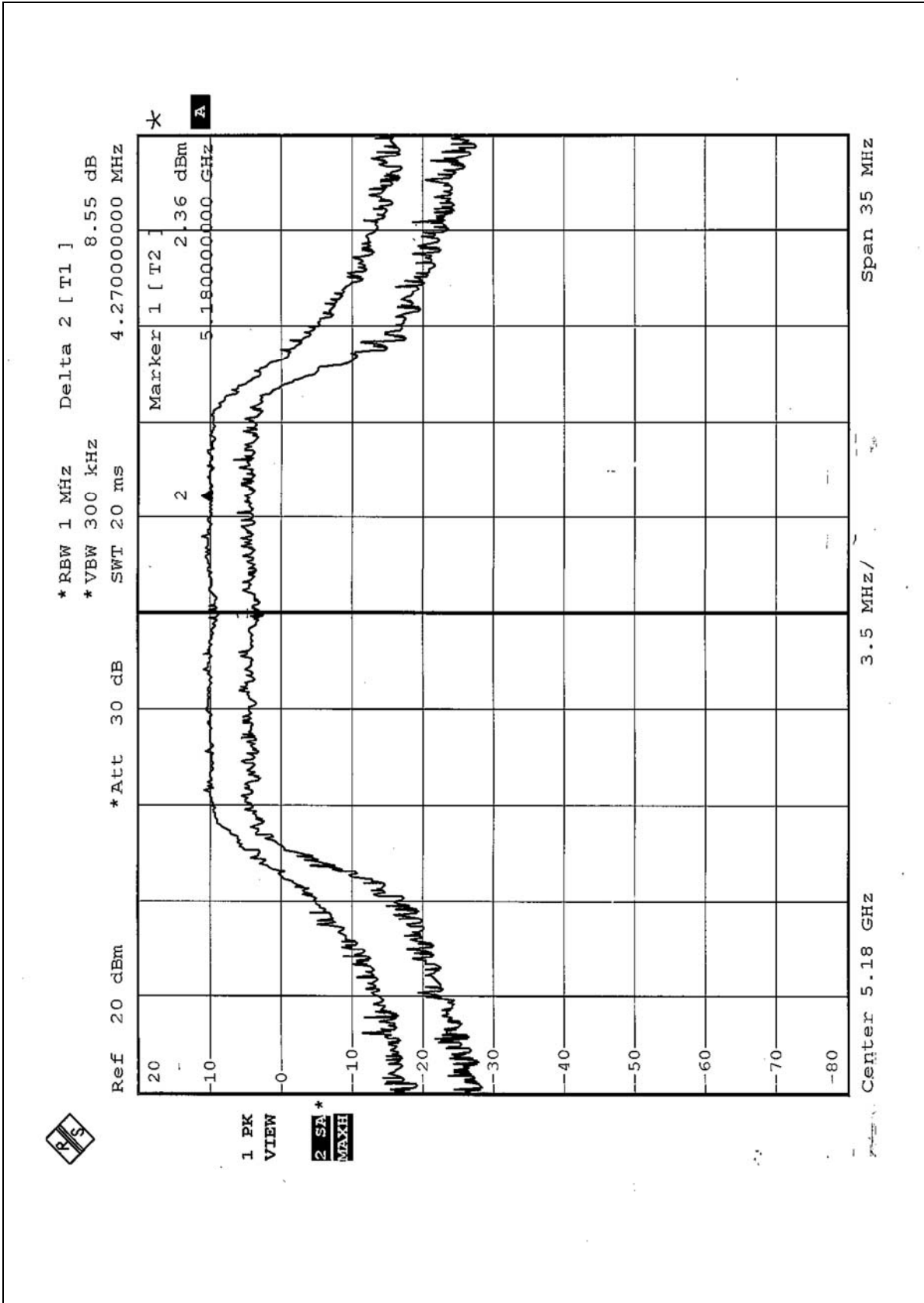
**NORMAL MODE (MODE 3 、 MODE 4)**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>ENVIRONMENTAL CONDITIONS</b>	24deg. C, 65%RH, 991hPa	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>TESTED BY</b>	Ansen Lei		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz)</b>	<b>PEAK POWER EXCURSION (dB)</b>	<b>PEAK to AVERAGE EXCURSION LIMIT (dB)</b>	<b>PASS/FAIL</b>
1	5180	8.55	13	PASS
4	5240	8.32	13	PASS
5	5260	7.92	13	PASS
8	5320	7.60	13	PASS
9	5745	8.19	13	PASS
12	5805	8.82	13	PASS

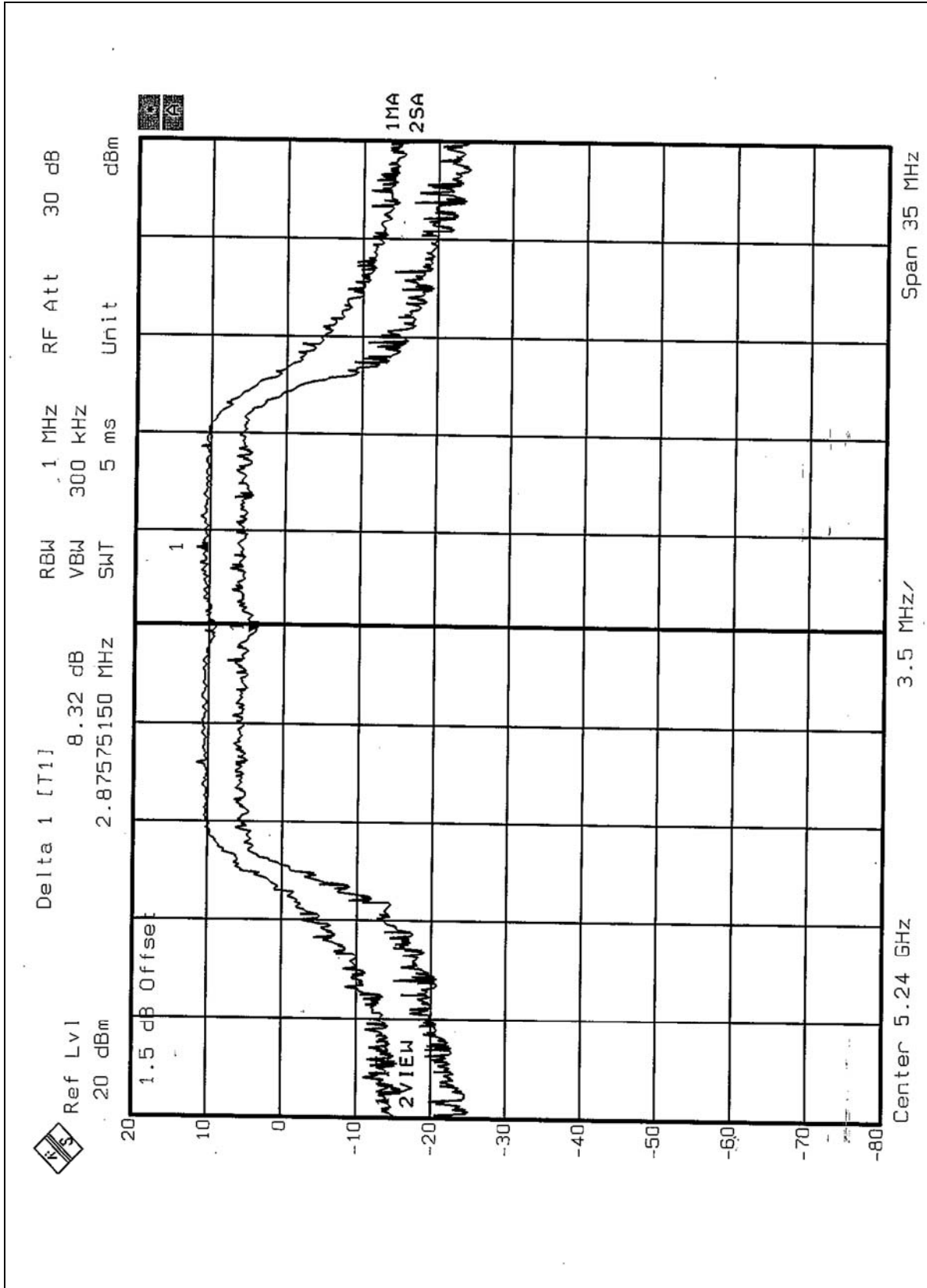


CH1



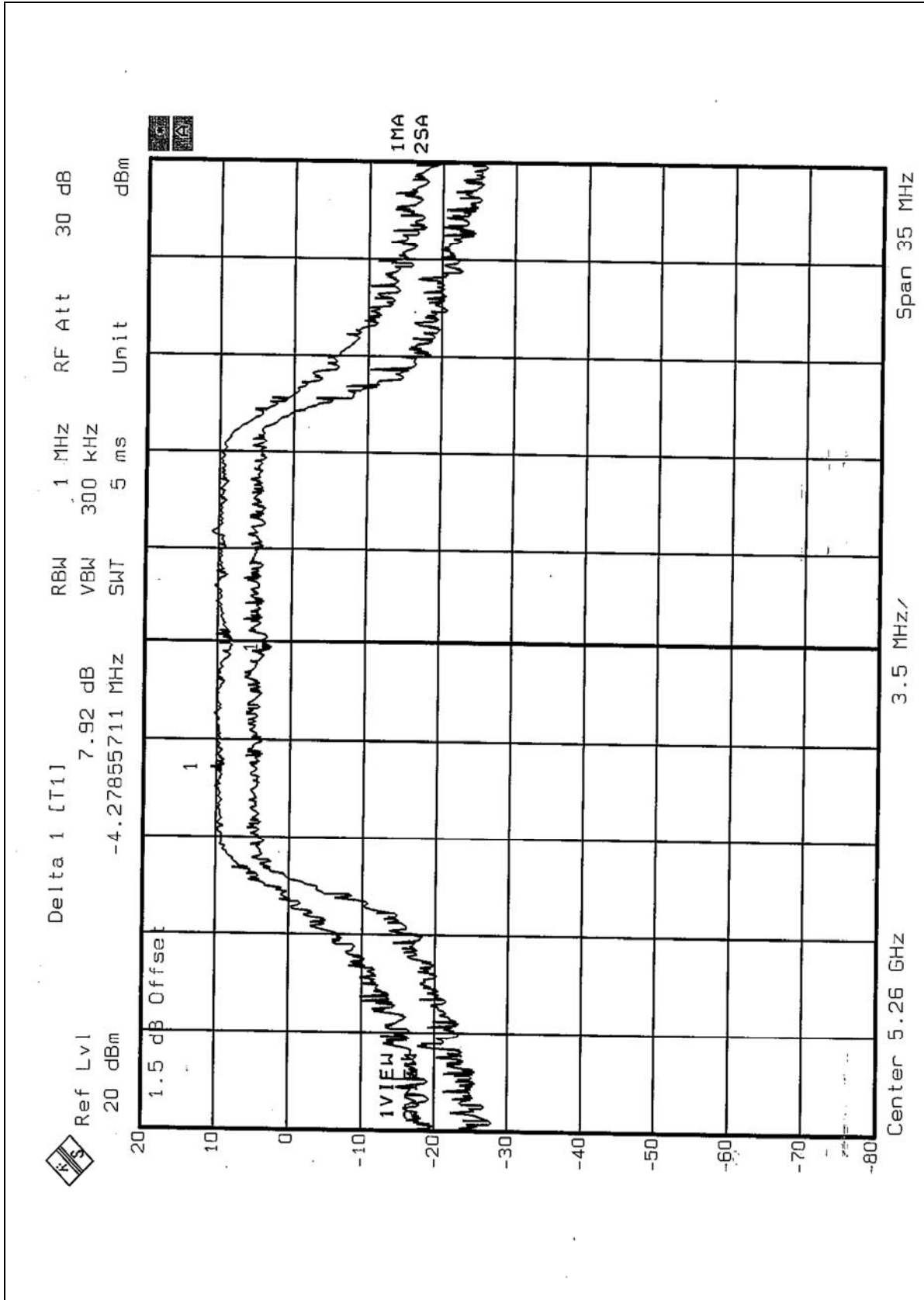


CH4



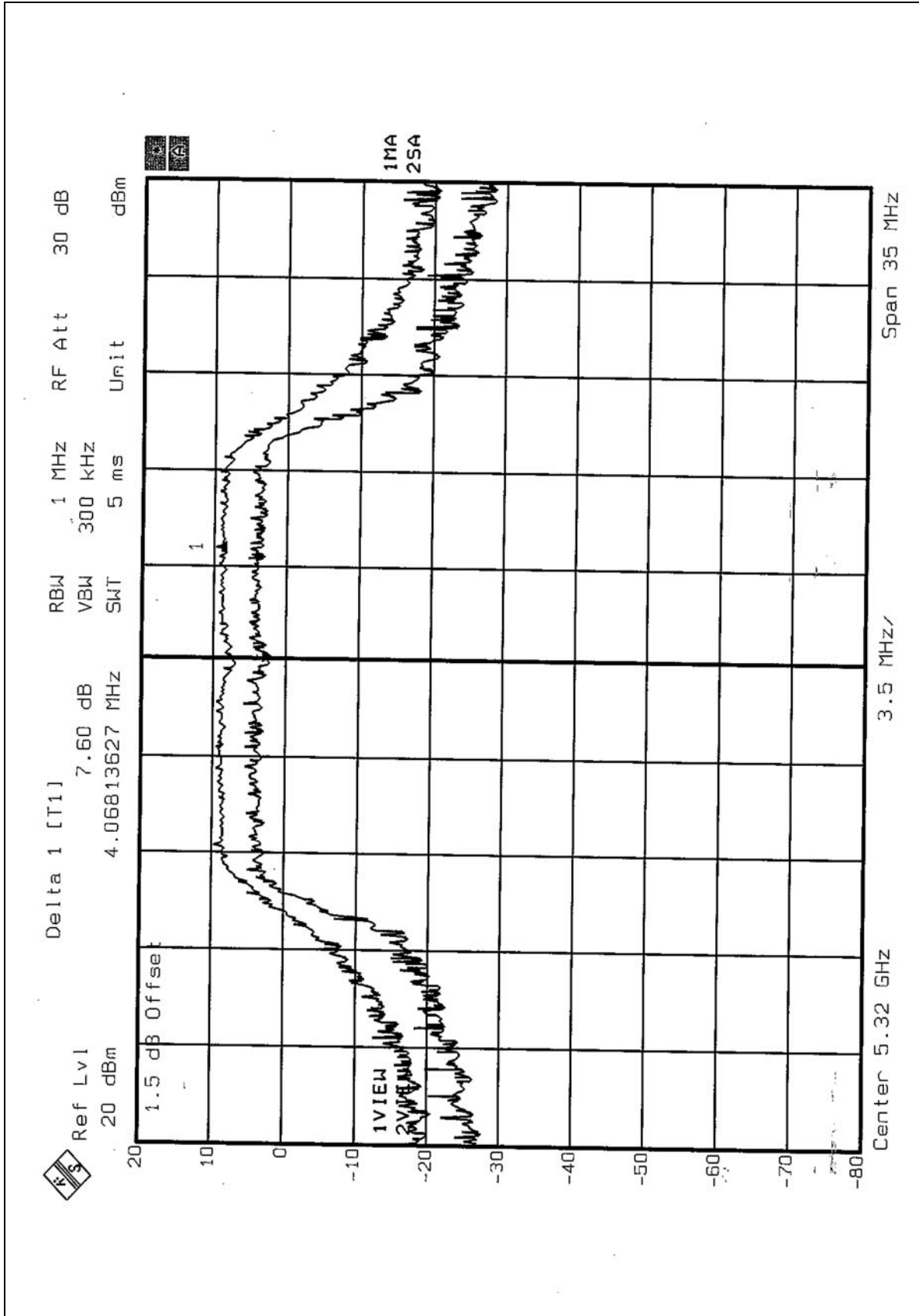


CH 5



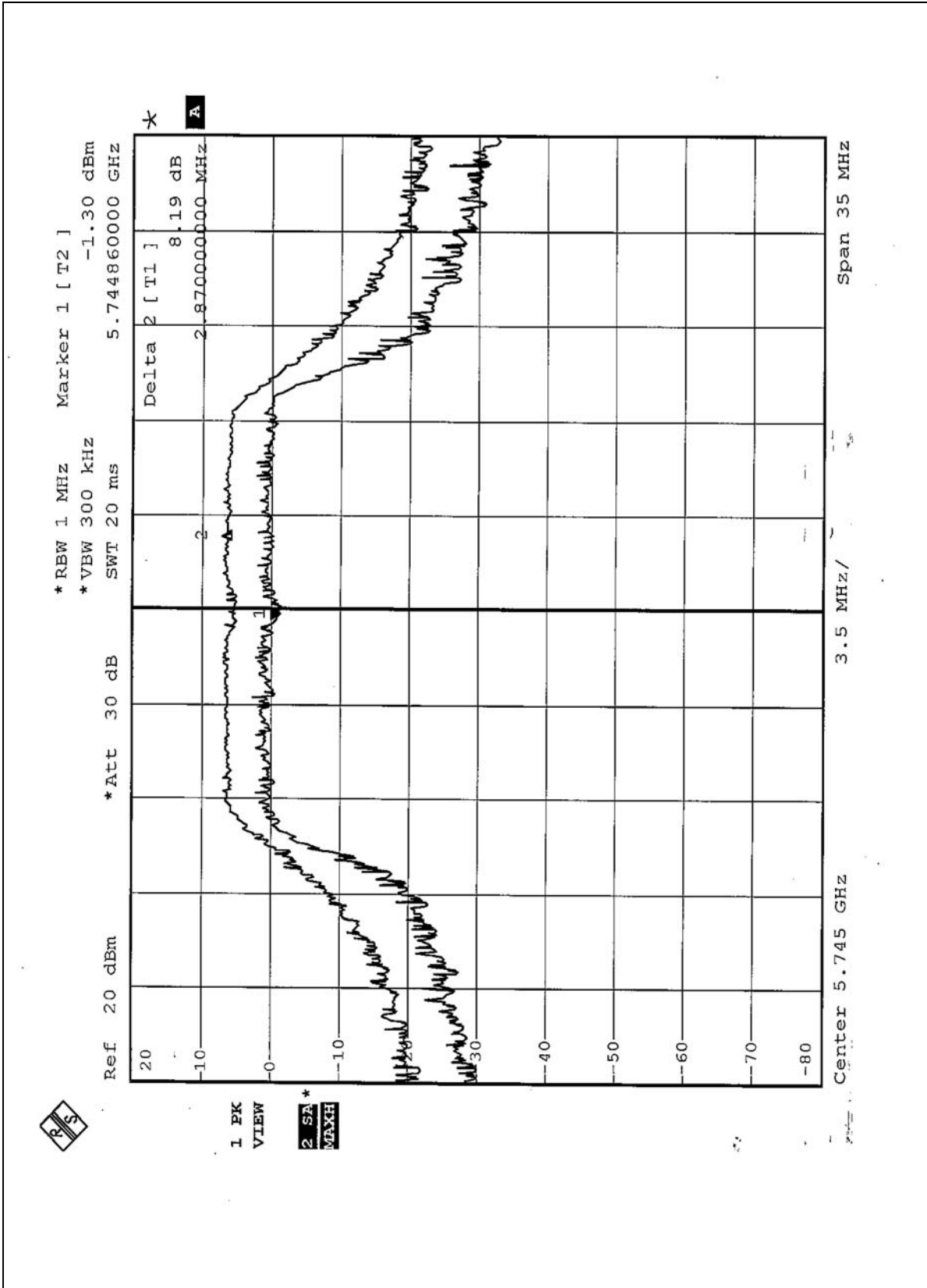


CH 8





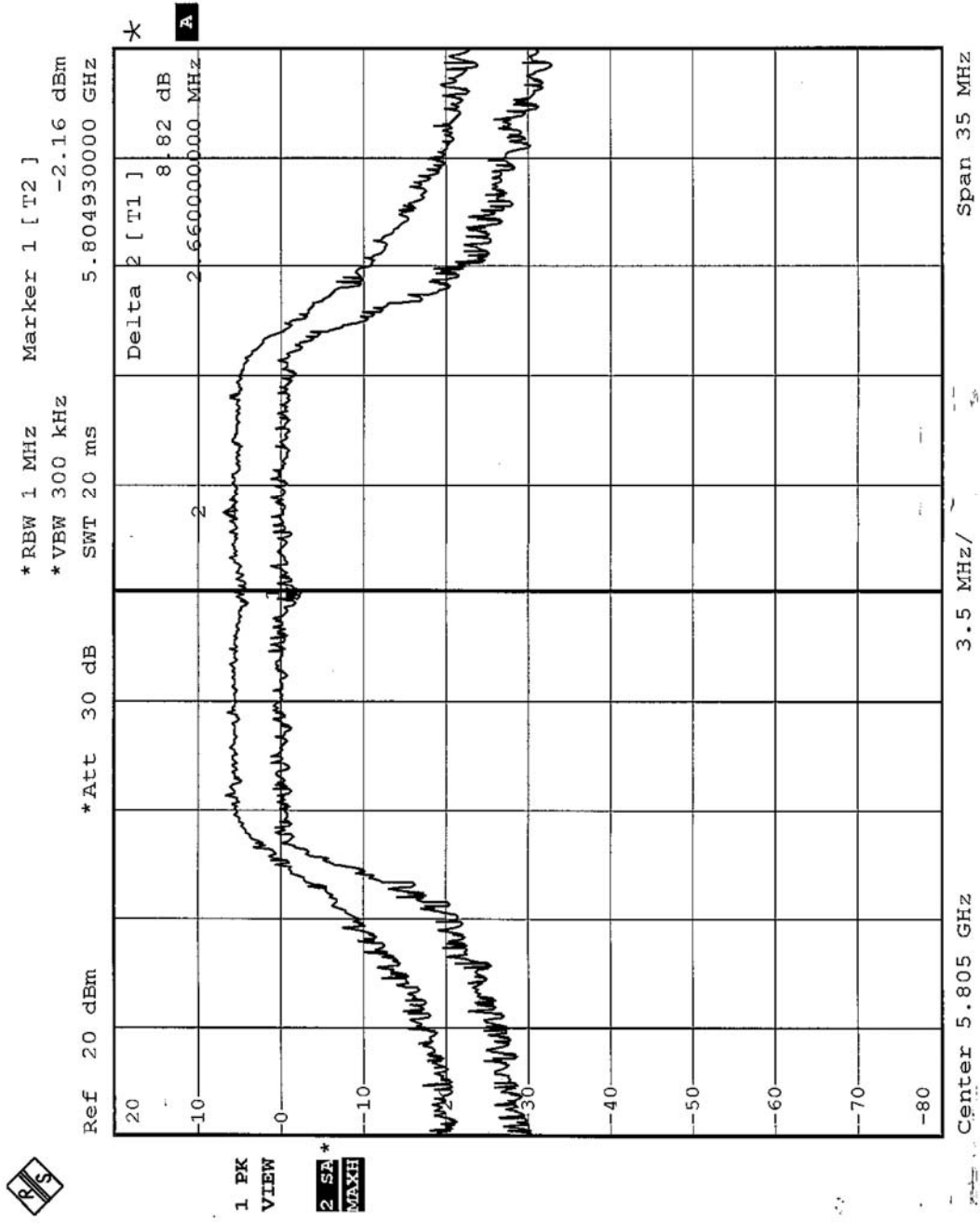
CH 9







CH 12





## 5.5 PEAK POWER SPECTRAL DENSITY MEASUREMENT

### 5.5.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

Frequency Band	Limit
5.15 – 5.25GHz	4dBm
5.25 – 5.35GHz	11dBm
5.725 – 5.825GHz	17dBm

### 5.5.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	August 12, 2004
SPECTRUM ANALYZER	8564EC	4208A00660	Nov. 20, 2003

**NOTE:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

### 5.5.3 TEST PROCEDURES

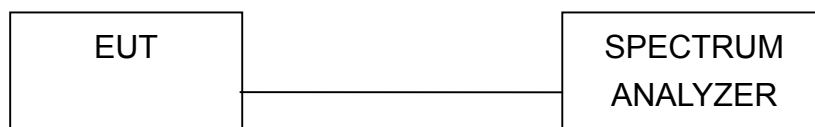
1. The transmitter output was connected to the spectrum analyzer.
2. Set RBW=1MHz, VBW=3MHz. The PPSD is the highest level found across the emission in any 1MHz band.

### 5.5.4 DEVIATION FROM TEST STANDARD

No deviation



### 5.5.5 TEST SETUP



### 5.5.6 EUT OPERATING CONDITIONS

Same as 5.3.6



## 5.5.7 TEST RESULTS

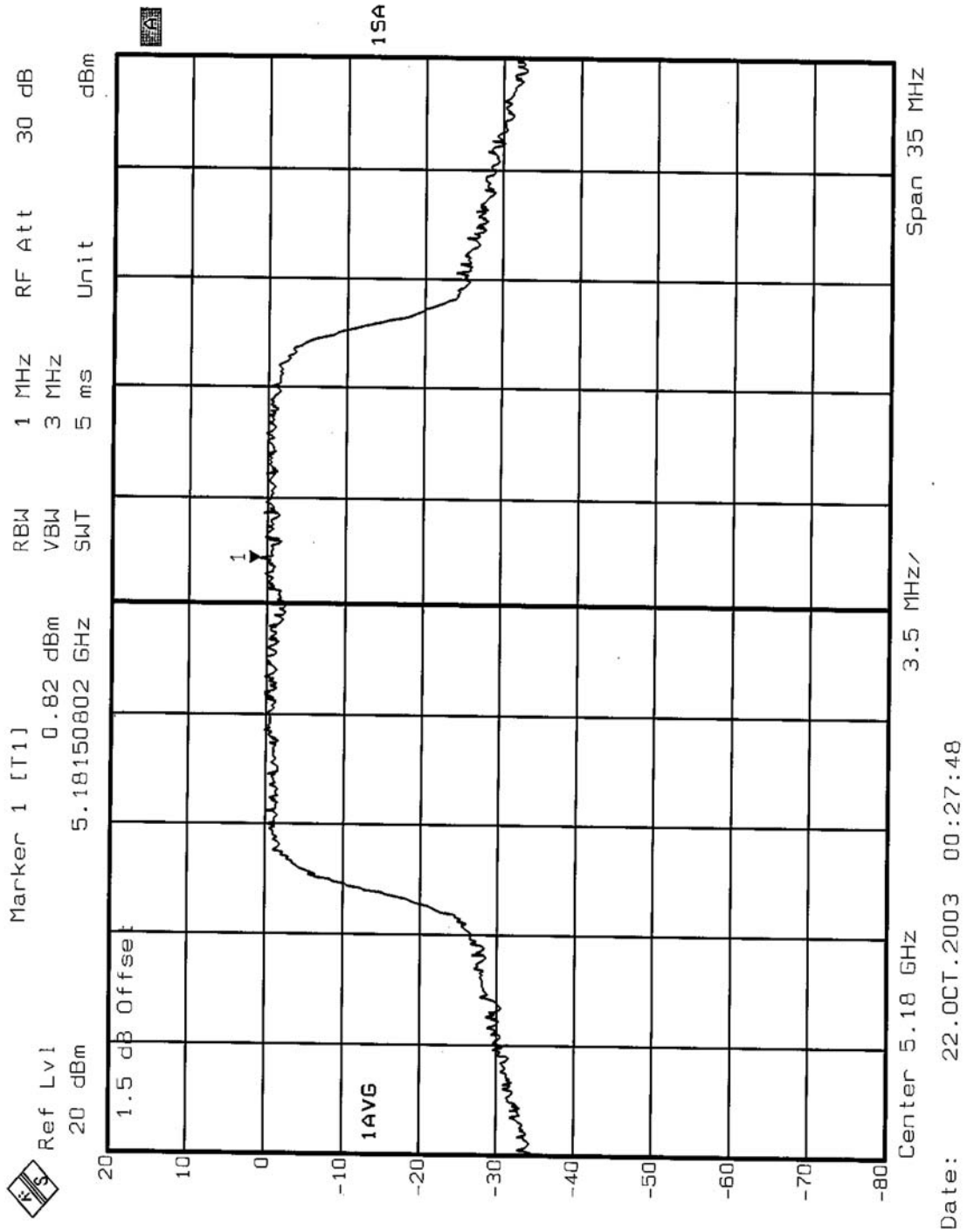
**NORMAL MODE (MODE1 、 MODE2)**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>ENVIRONMENTAL CONDITIONS</b>	24deg. C, 65%RH, 991hPa	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>TESTED BY</b>	Ansen Lei		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz )</b>	<b>RF POWER LEVEL IN 1MHz BW (dBm)</b>	<b>MAXIMUM LIMIT (dBm)</b>	<b>PASS/FAIL</b>
1	5180	0.82	4	PASS
4	5240	0.30	4	PASS
5	5260	-0.17	11	PASS
8	5320	-1.06	11	PASS
9	5745	-1.60	17	PASS
12	5805	-1.98	17	PASS



CH 1





CH 4

