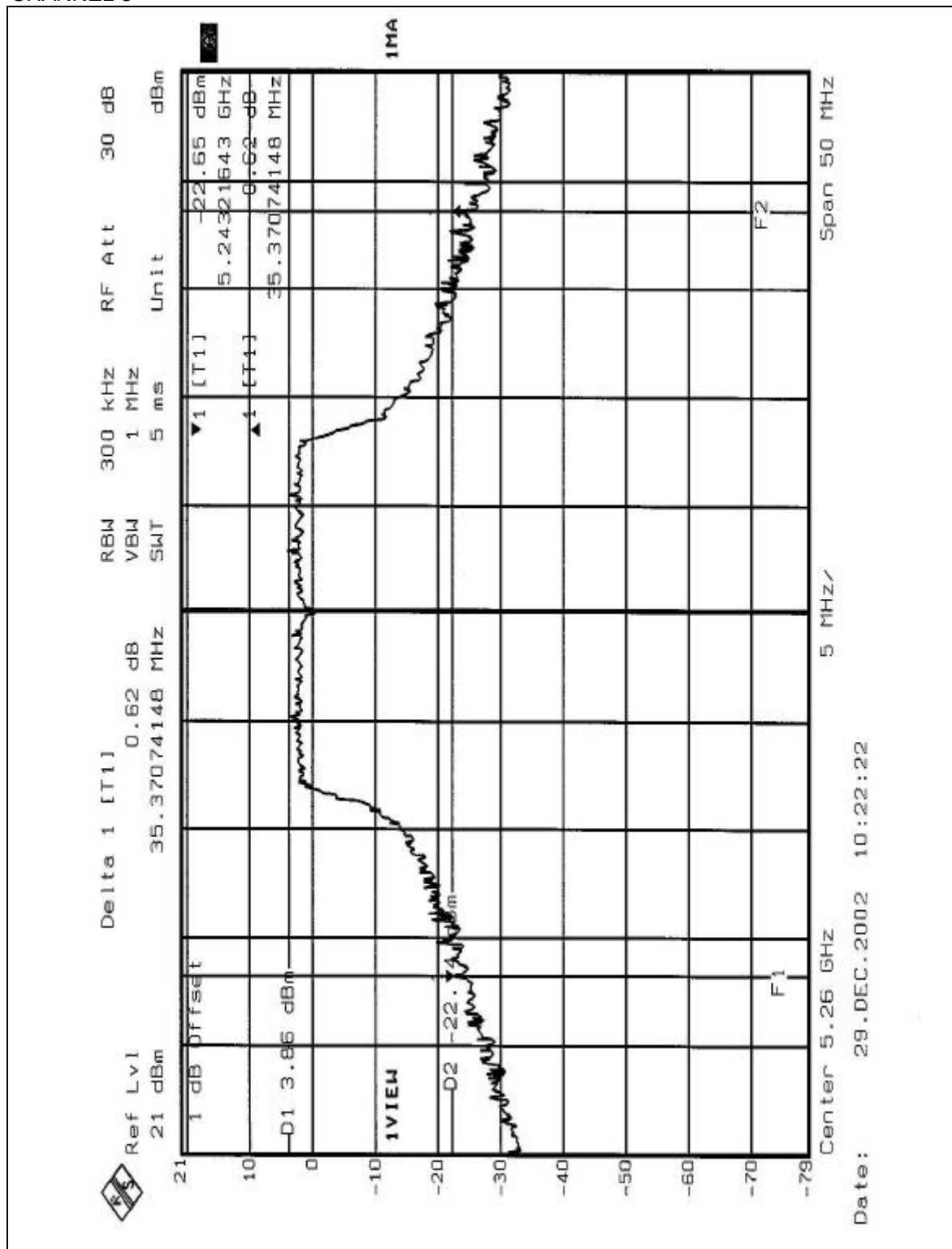
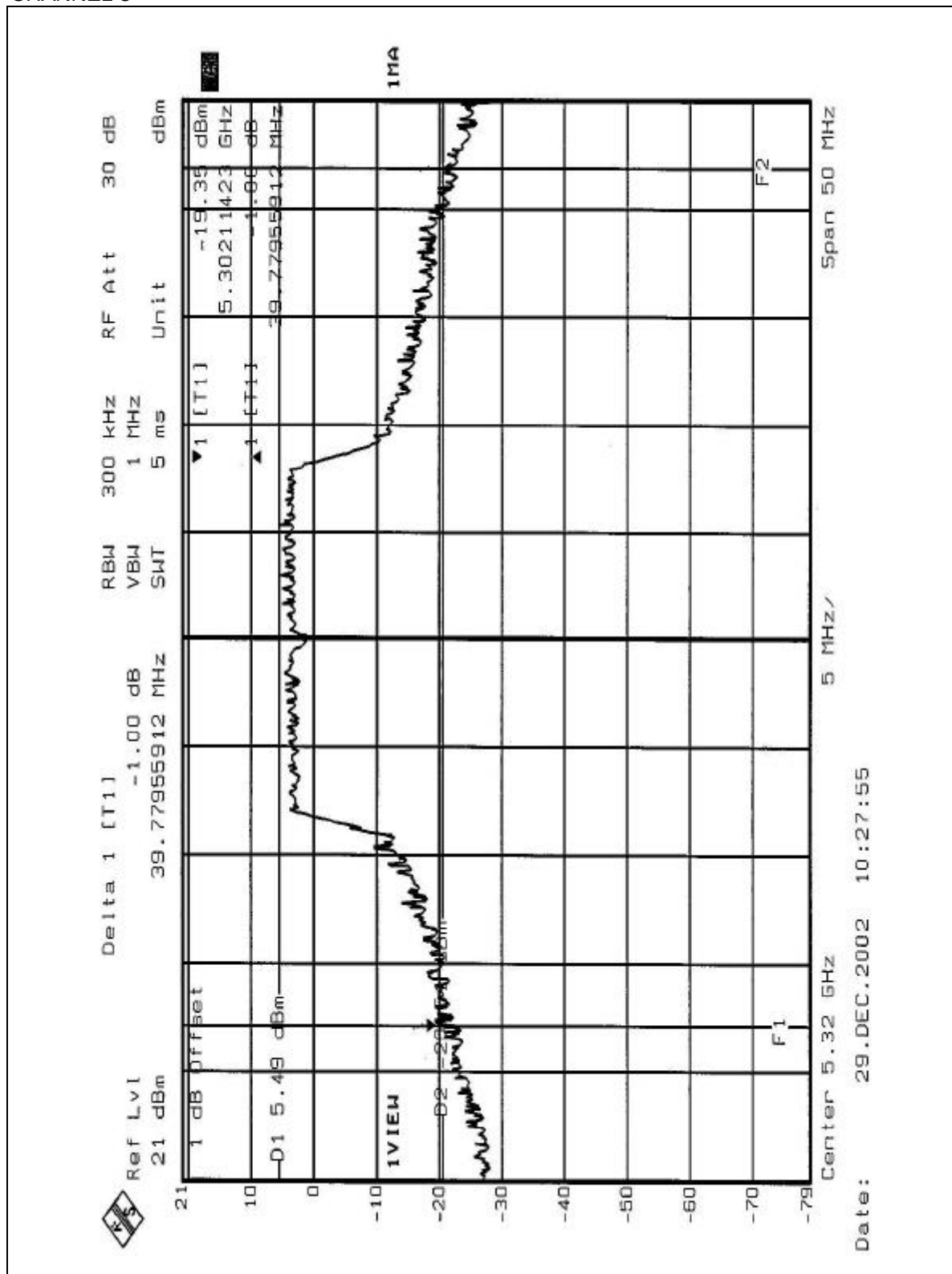


## CHANNEL 5



## CHANNEL 8



Delta 1 [T1] -0.47 dB  
32.96593186 MHz

Ref Lvl 21 dBm

1 dB Offset

01 5 dBm

1V1VIEW

02 -21 dBm

Center 5.745 GHz

Span 50 MHz

5 MHz

Date: 29.DEC.2002 10:32:32

RF Att 30 dB

Unit dBm

300 kHz

1 MHz

5 ms

RBW

VBW

SWT

1MA

21

10

0

-10

-20

-30

-40

-50

-60

-70

-79

F1

F2

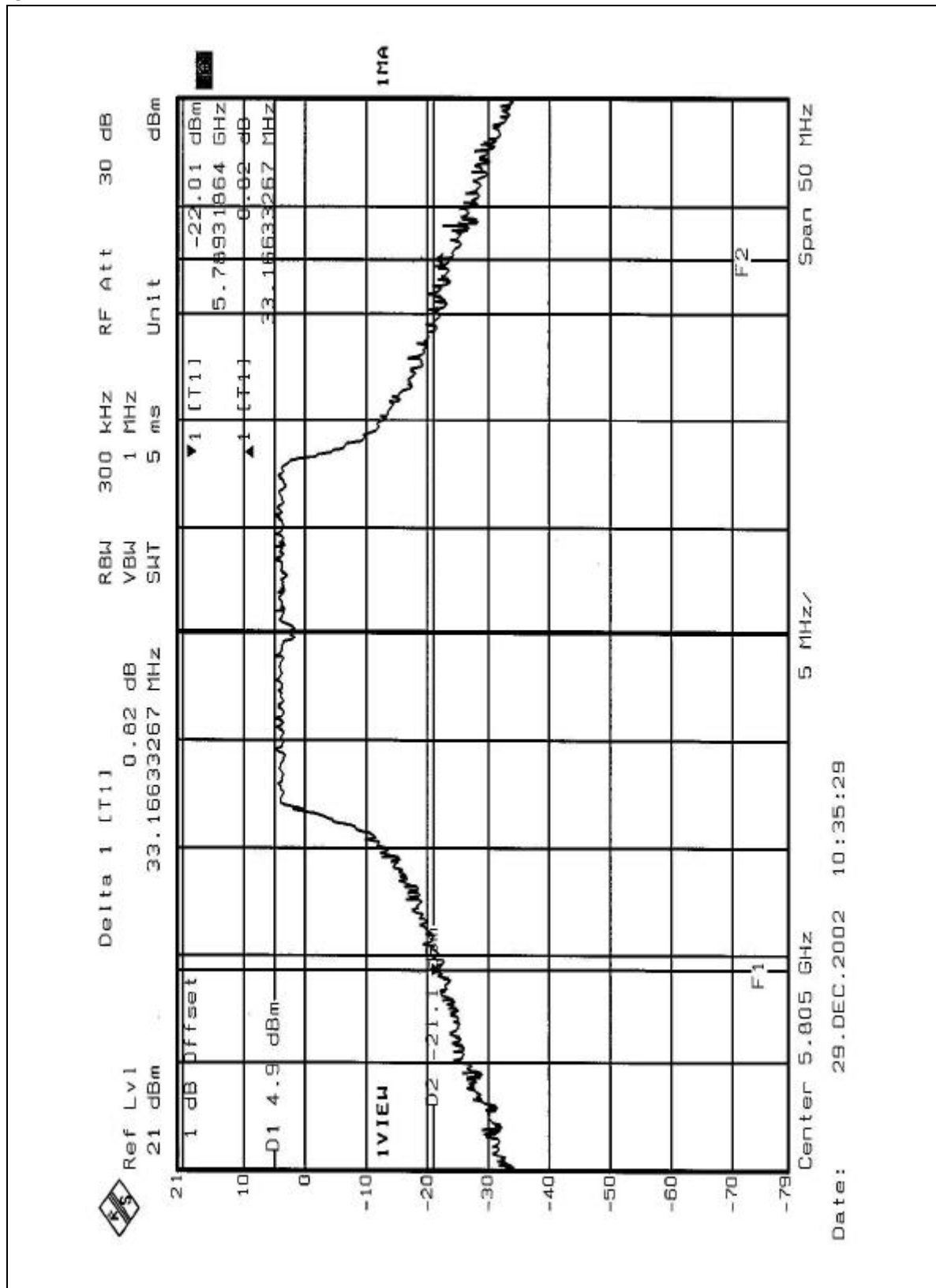
-20.96 dBm

5.72851703 GHz

-8.47 dB

32.96593186 MHz

## CHANNEL12

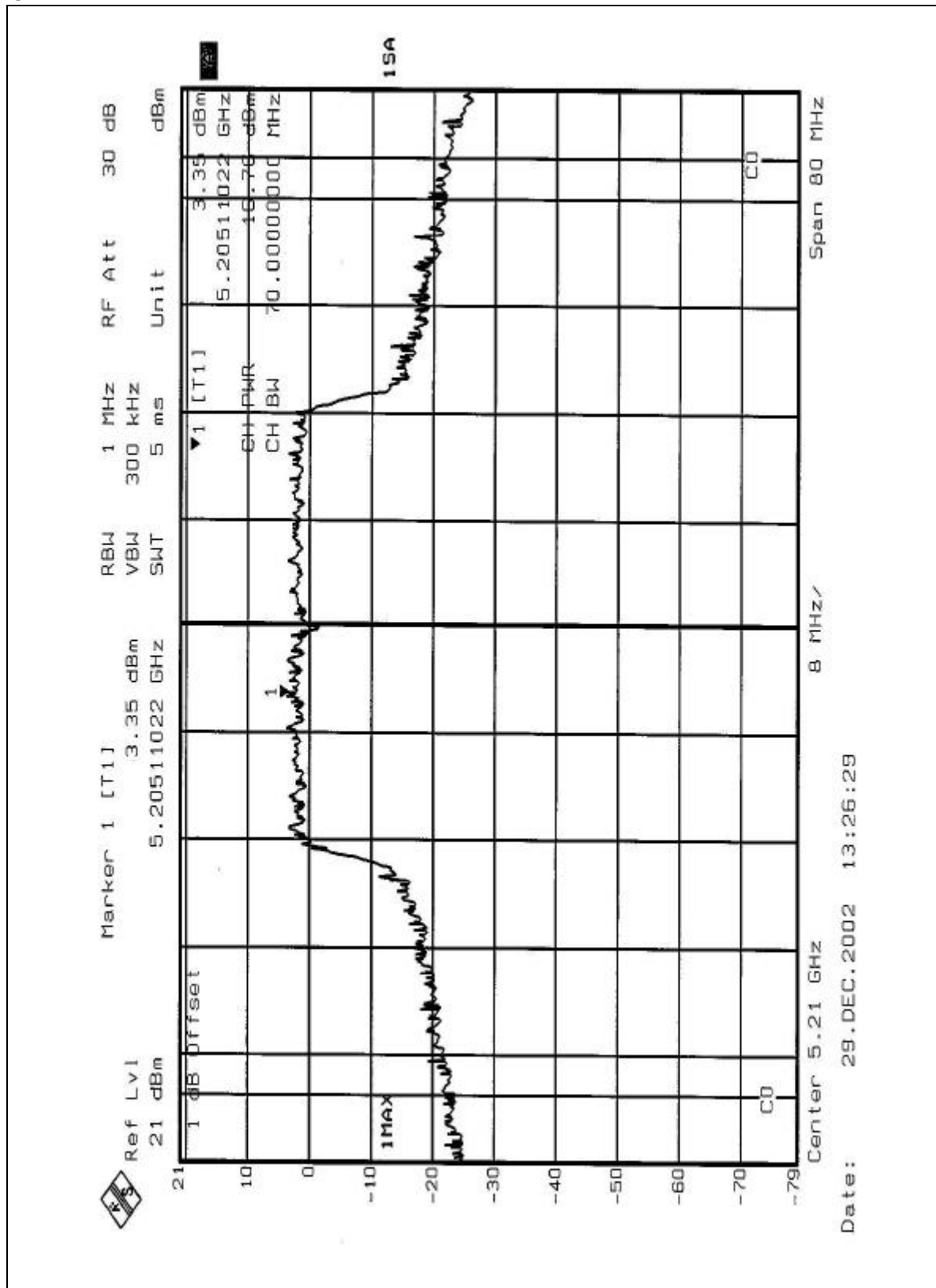


|                                 |                             |                             |               |
|---------------------------------|-----------------------------|-----------------------------|---------------|
| <b>EUT</b>                      | 2.4GHz/5GHz Mini - PCI Card | <b>MODEL</b>                | WLL220        |
| <b>MODE</b>                     | Turbo                       | <b>INPUT POWER (SYSTEM)</b> | 120Vac, 60 Hz |
| <b>ENVIRONMENTAL CONDITIONS</b> | 20eg. C, 60RH,<br>1005 hPa  | <b>TESTED BY</b>            | Steven Lu     |

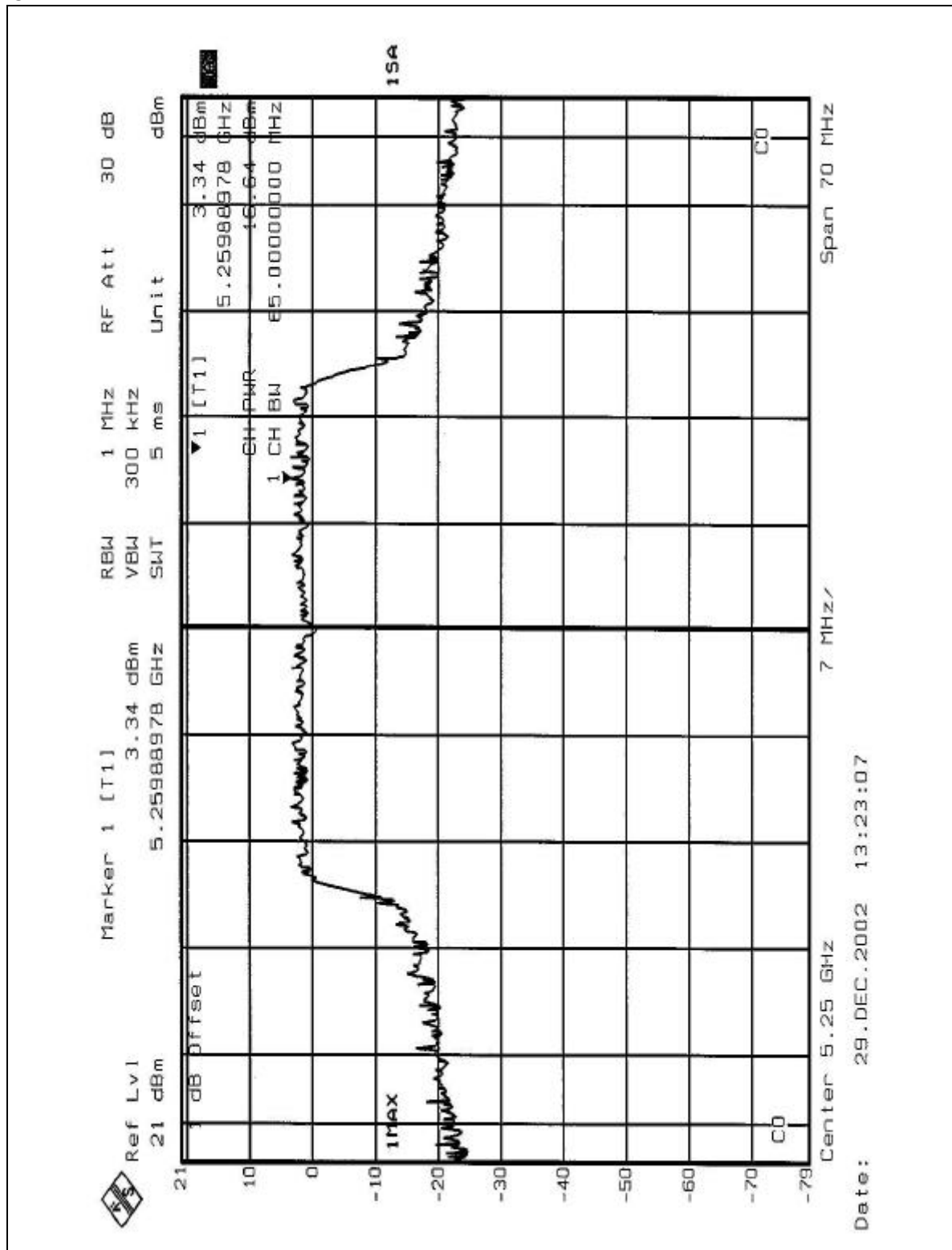
| <b>CHANNEL</b> | <b>CHANNEL FREQUENCY (MHz)</b> | <b>PEAK POWER OUTPUT (dBm)</b> | <b>PEAK POWER LIMIT (dBm)</b> | <b>26dBc Occupied Bandwidth (MHz)</b> | <b>PASS/FAIL</b> |
|----------------|--------------------------------|--------------------------------|-------------------------------|---------------------------------------|------------------|
| 1              | 5210                           | 16.78                          | 17.00                         | 71.82                                 | PASS             |
| 2              | 5250                           | 16.64                          | 24.00                         | 65.58                                 | PASS             |
| 3              | 5290                           | 16.50                          | 24.00                         | 70.86                                 | PASS             |
| 4              | 5760                           | 16.62                          | 30.00                         | 51.90                                 | PASS             |
| 5              | 5800                           | 14.26                          | 30.00                         | 46.57                                 | PASS             |

**NOTE:** The 26dBc Occupied Bandwidth plot, please refer to the following pages.

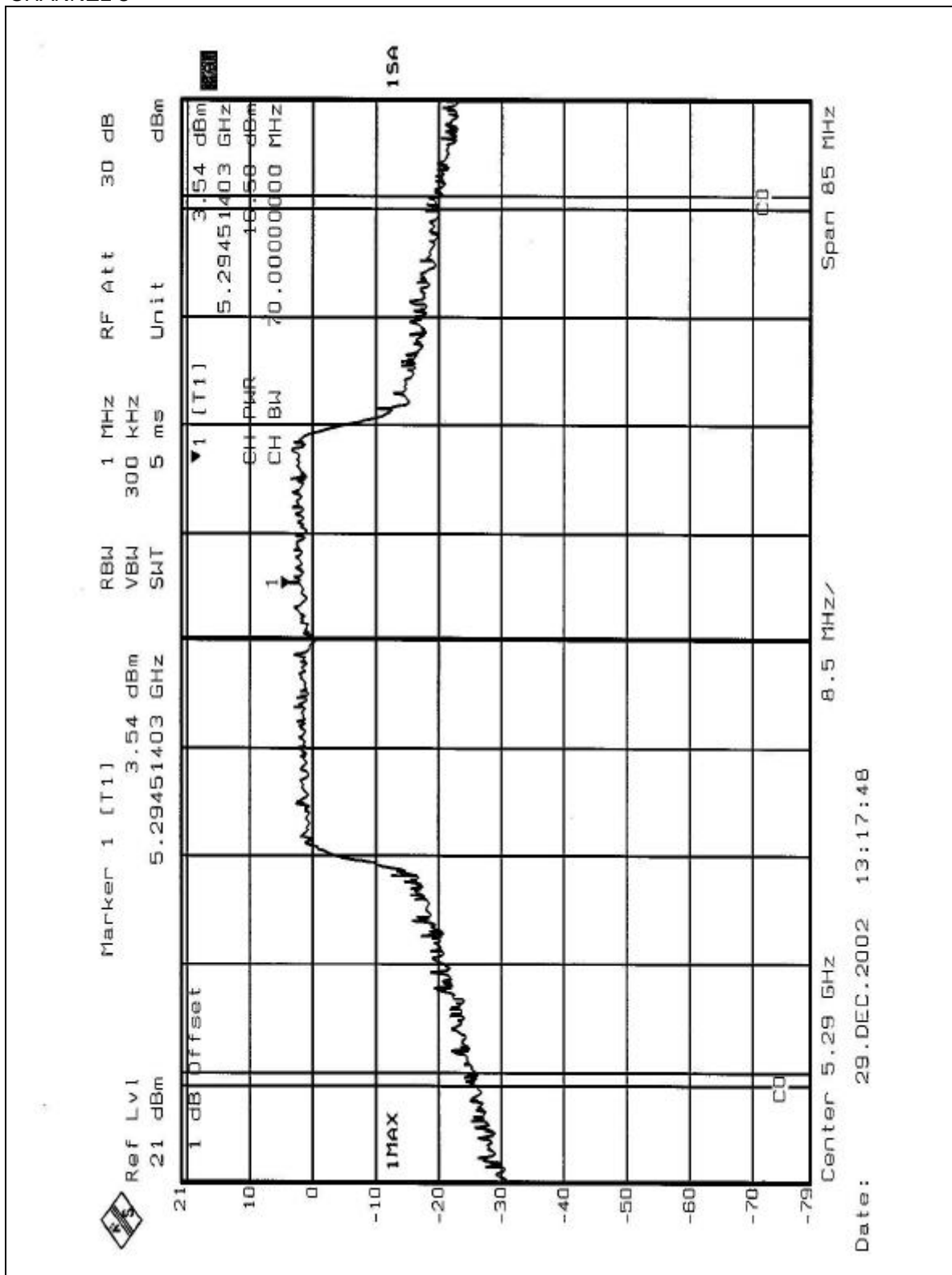
## CHANNEL 1



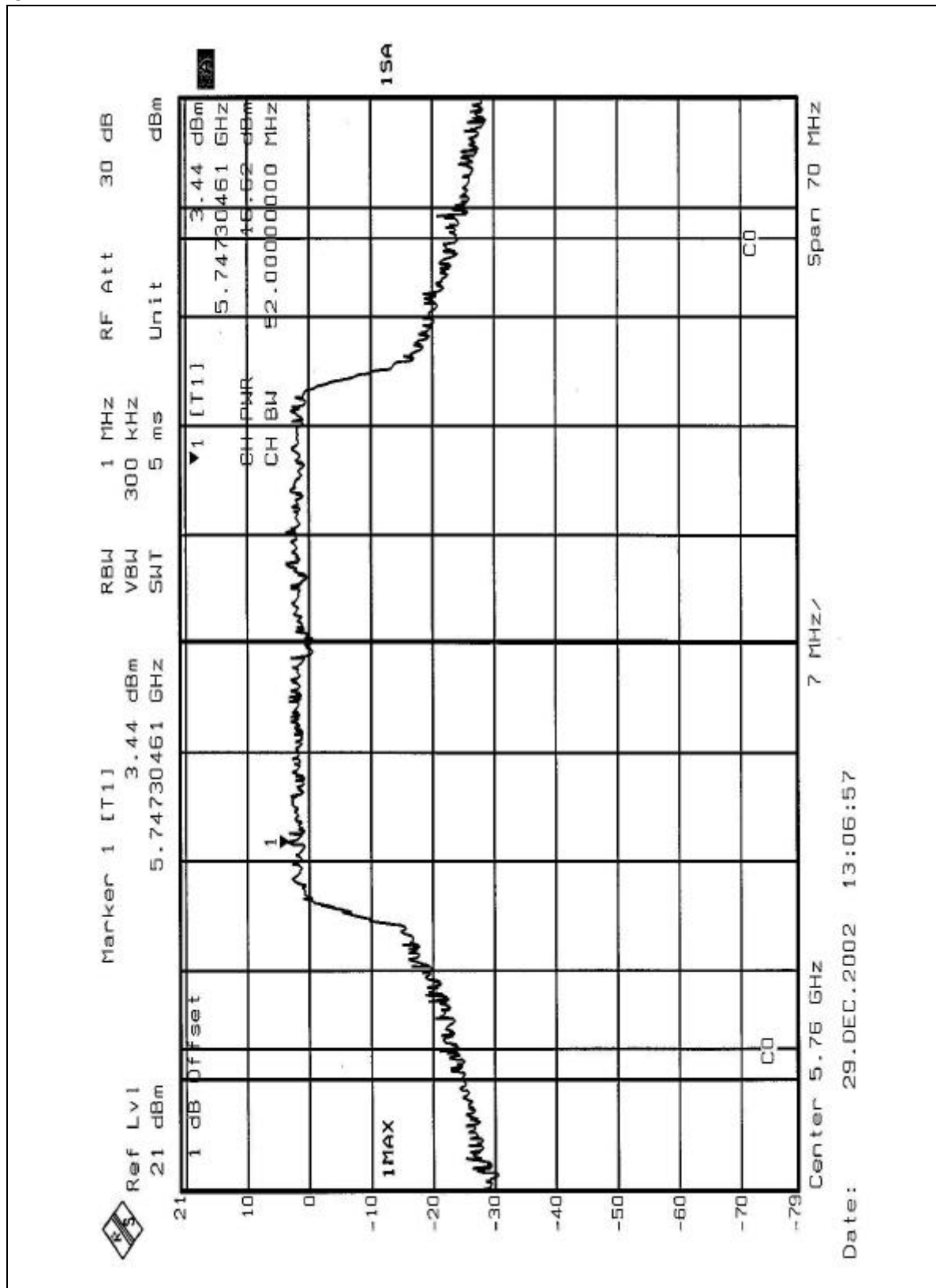
## CHANNEL 2



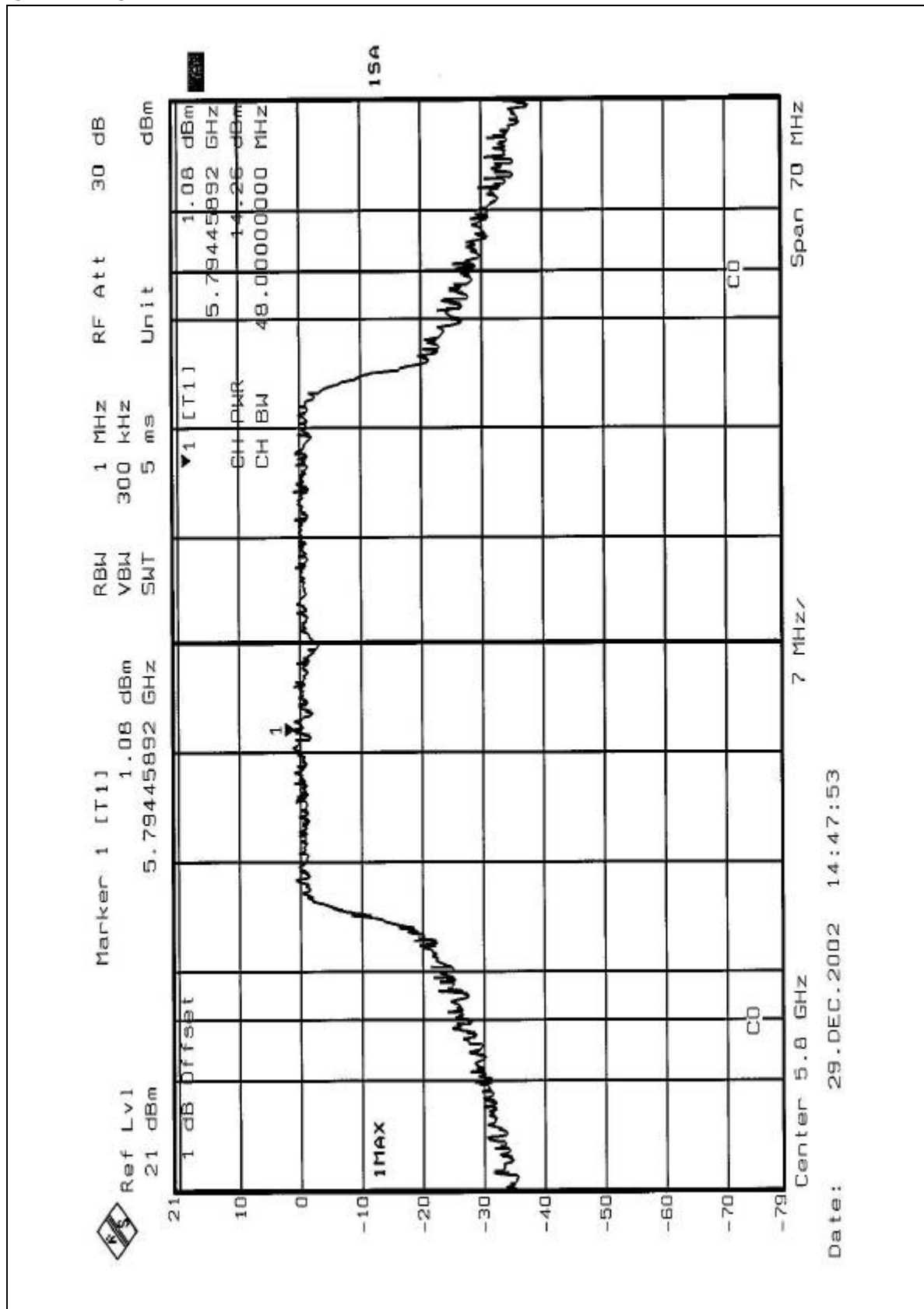
## CHANNEL 3



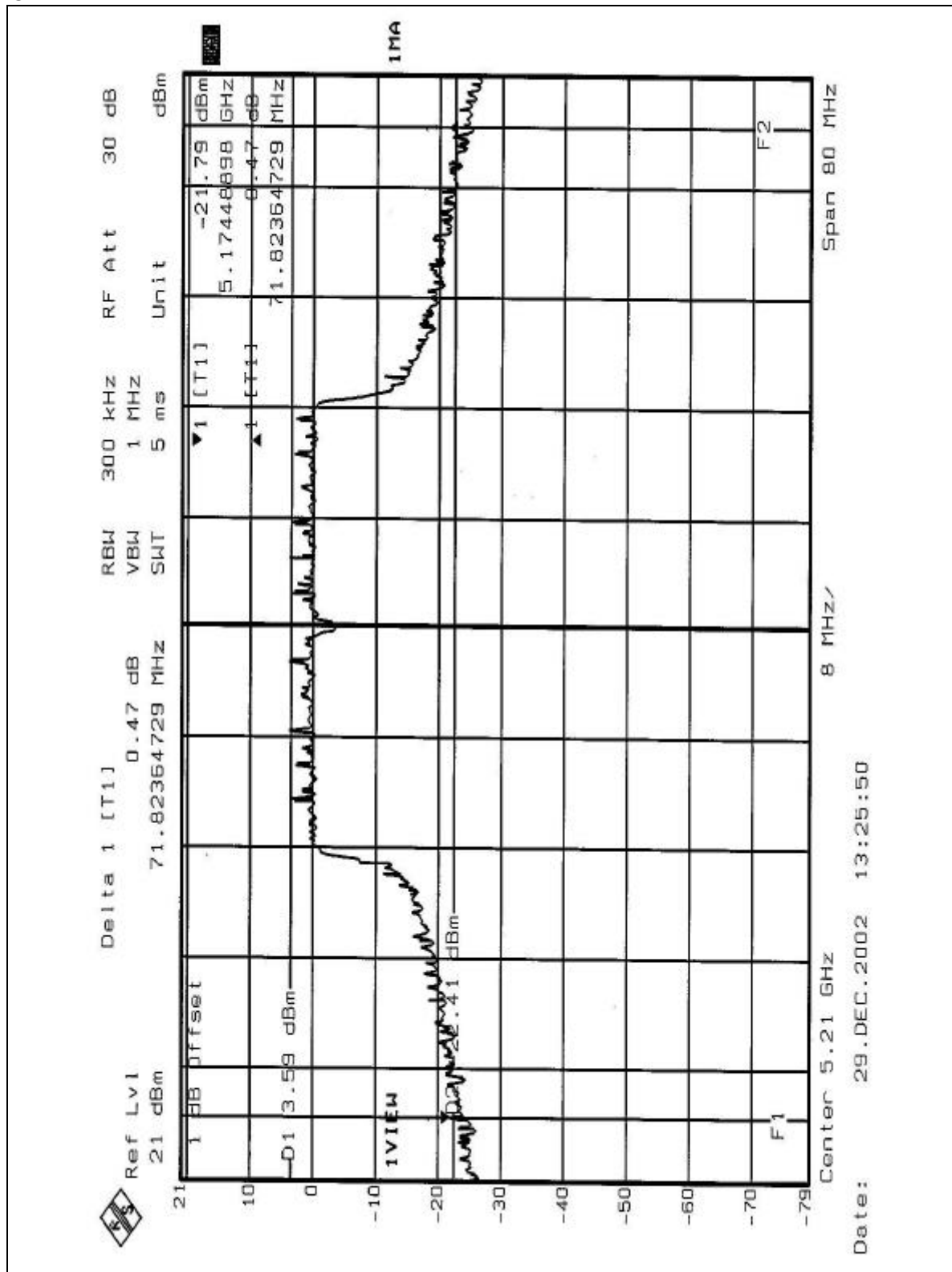
## CHANNEL 4



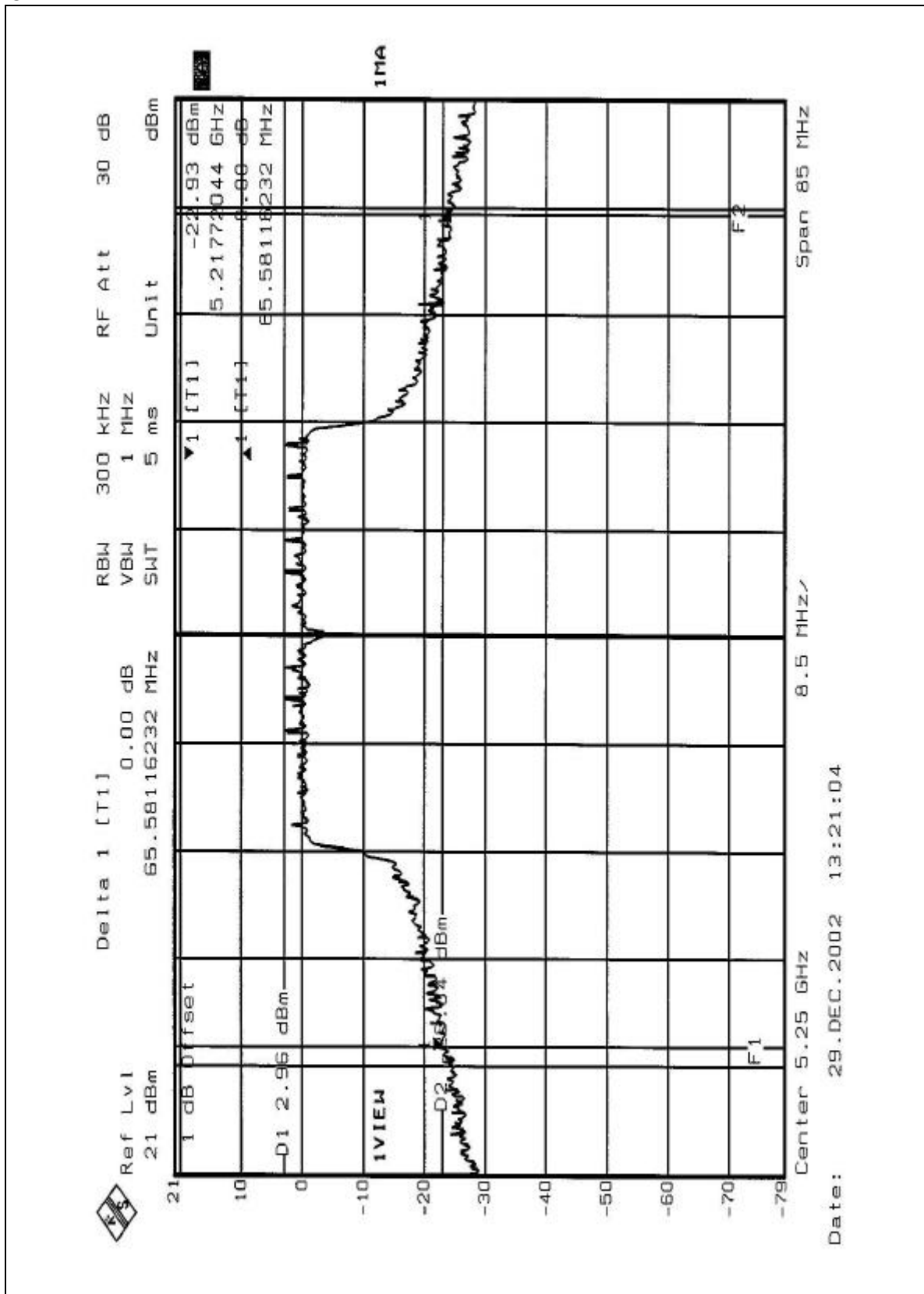
## CHANNEL 5



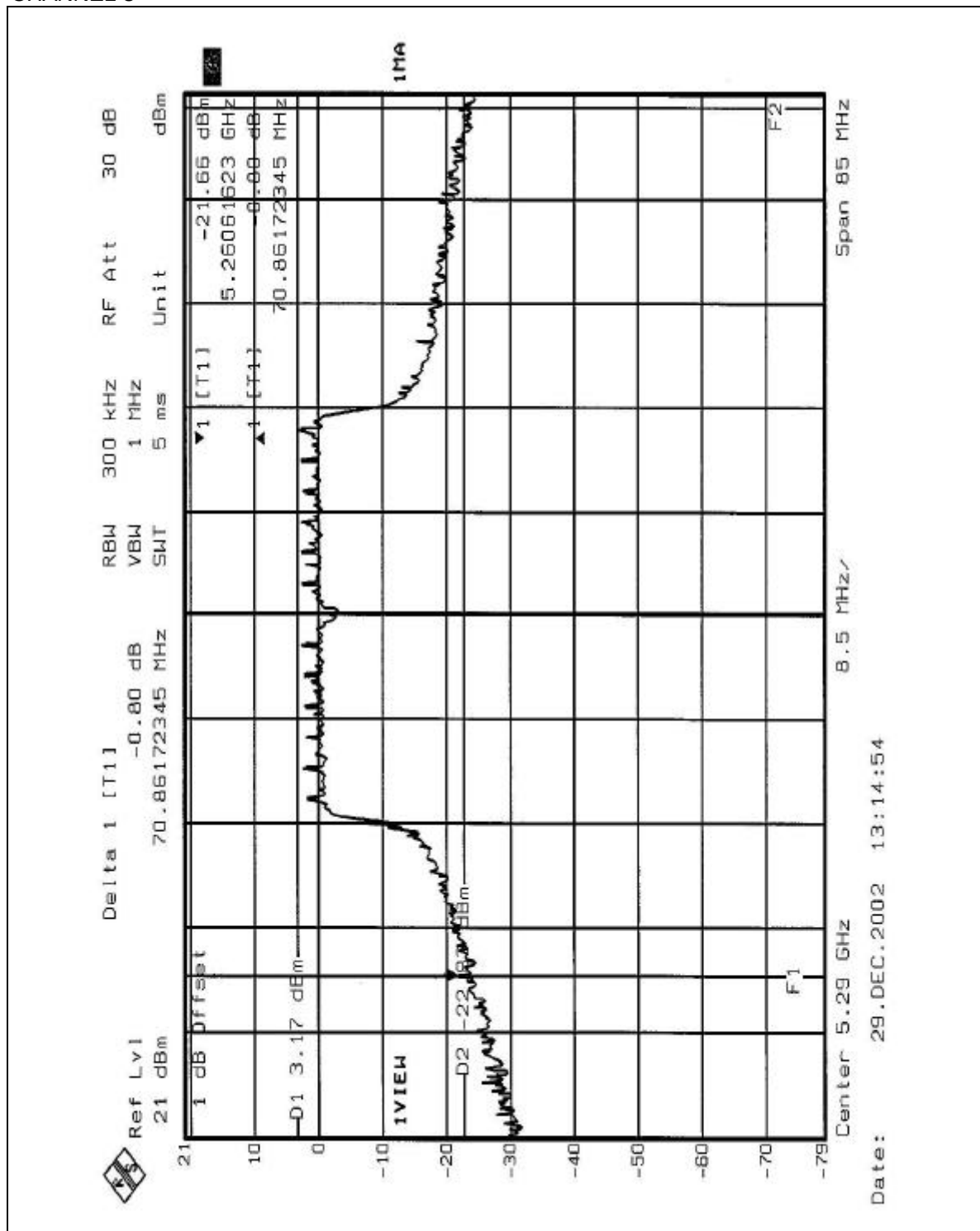
## CHANNEL 1



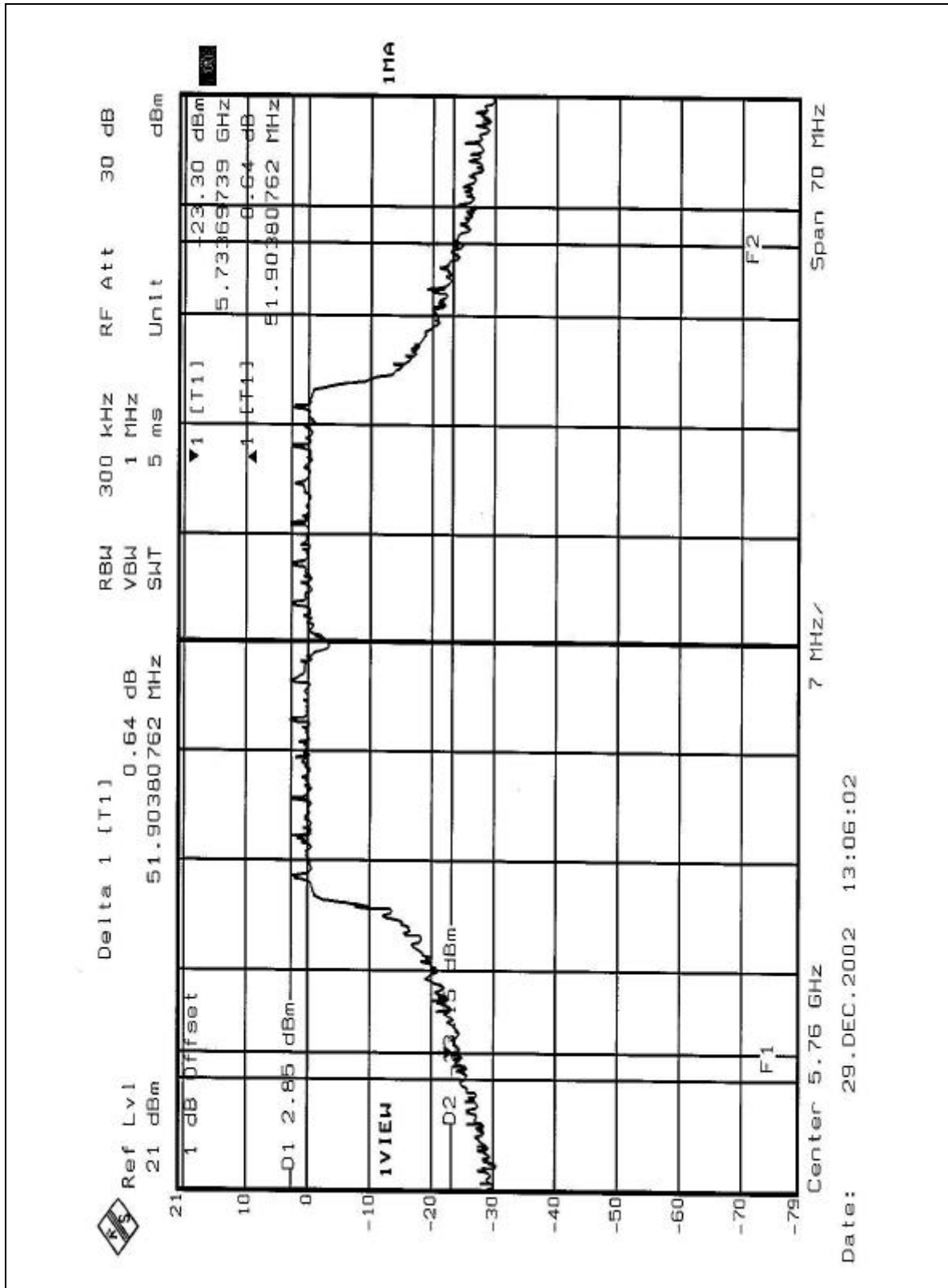
## CHANNEL 2



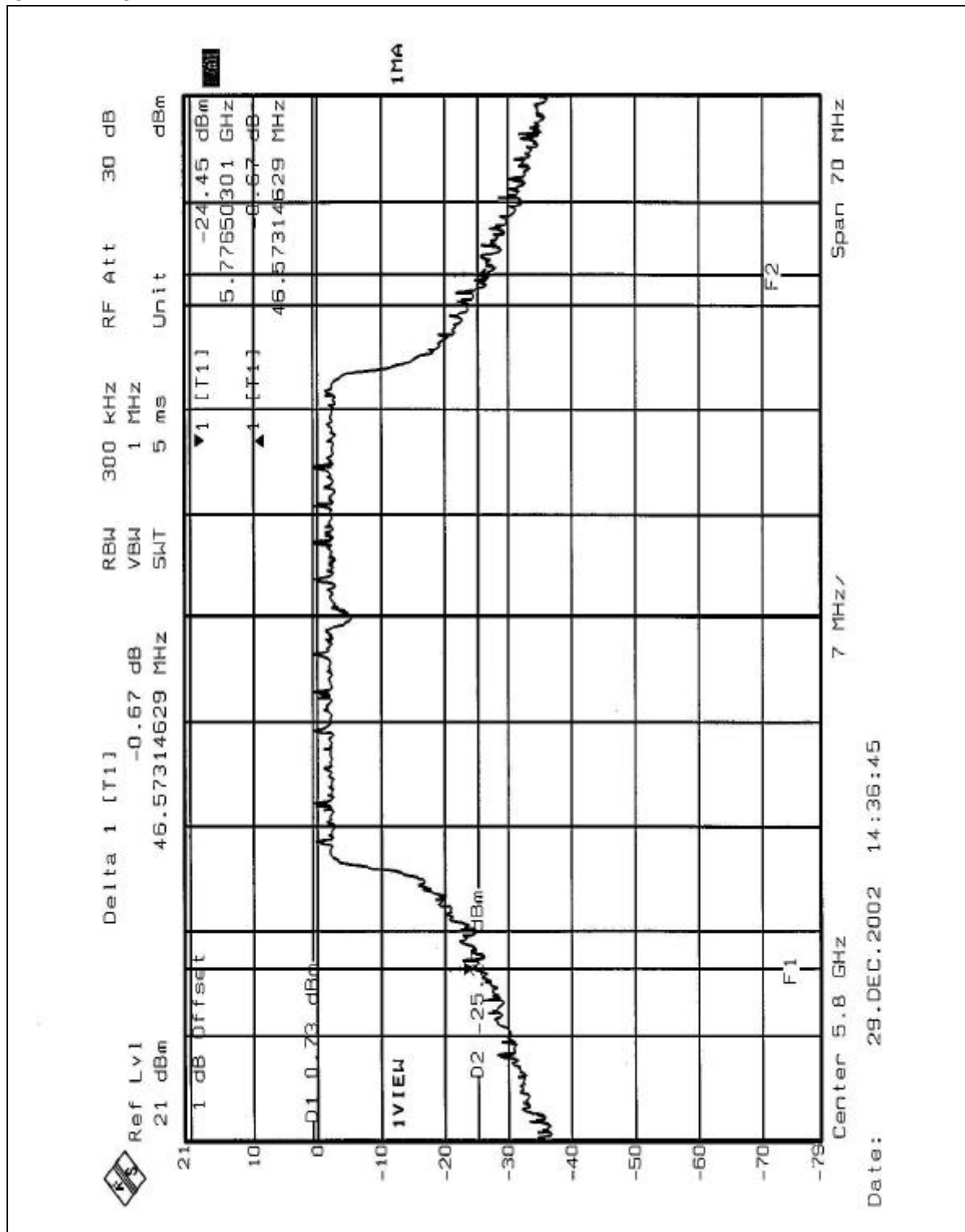
## CHANNEL 3



## CHANNEL 4



## CHANNEL 5



## 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 |
|------------------------------------|-----------|------------|------------------|
| ROHDE&SCHWARZ<br>SPECTRUM ANALYZER | FSEK30    | 100049     | July 24, 2003    |

**NOTE:**

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

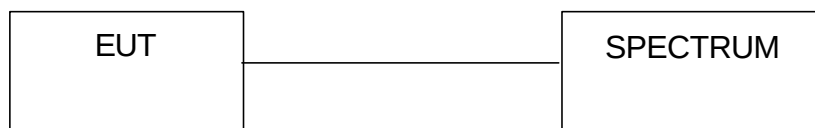
#### 5.4.3 TEST PROCEDURE

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

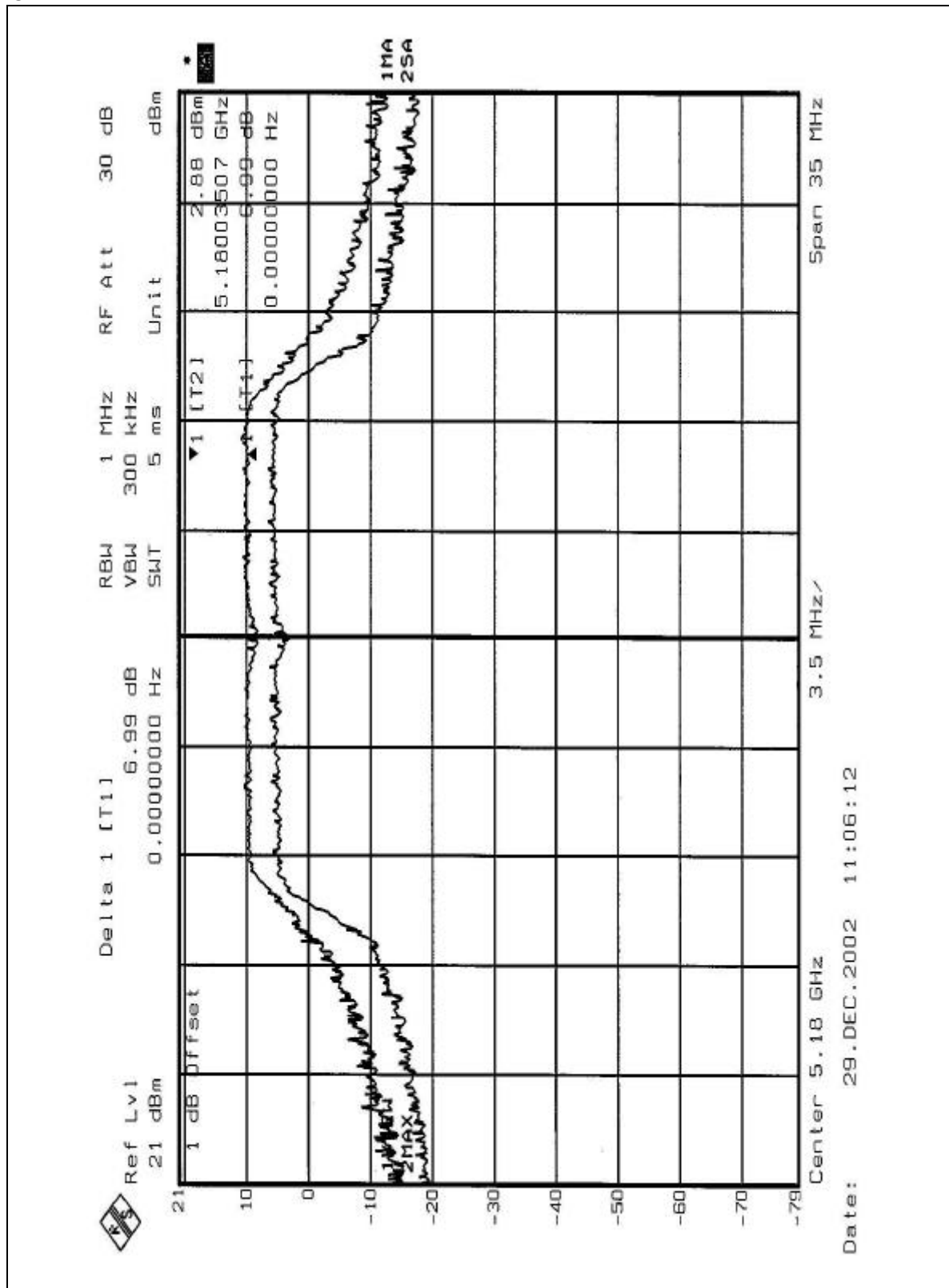
The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

## 5.4.7 TEST RESULTS

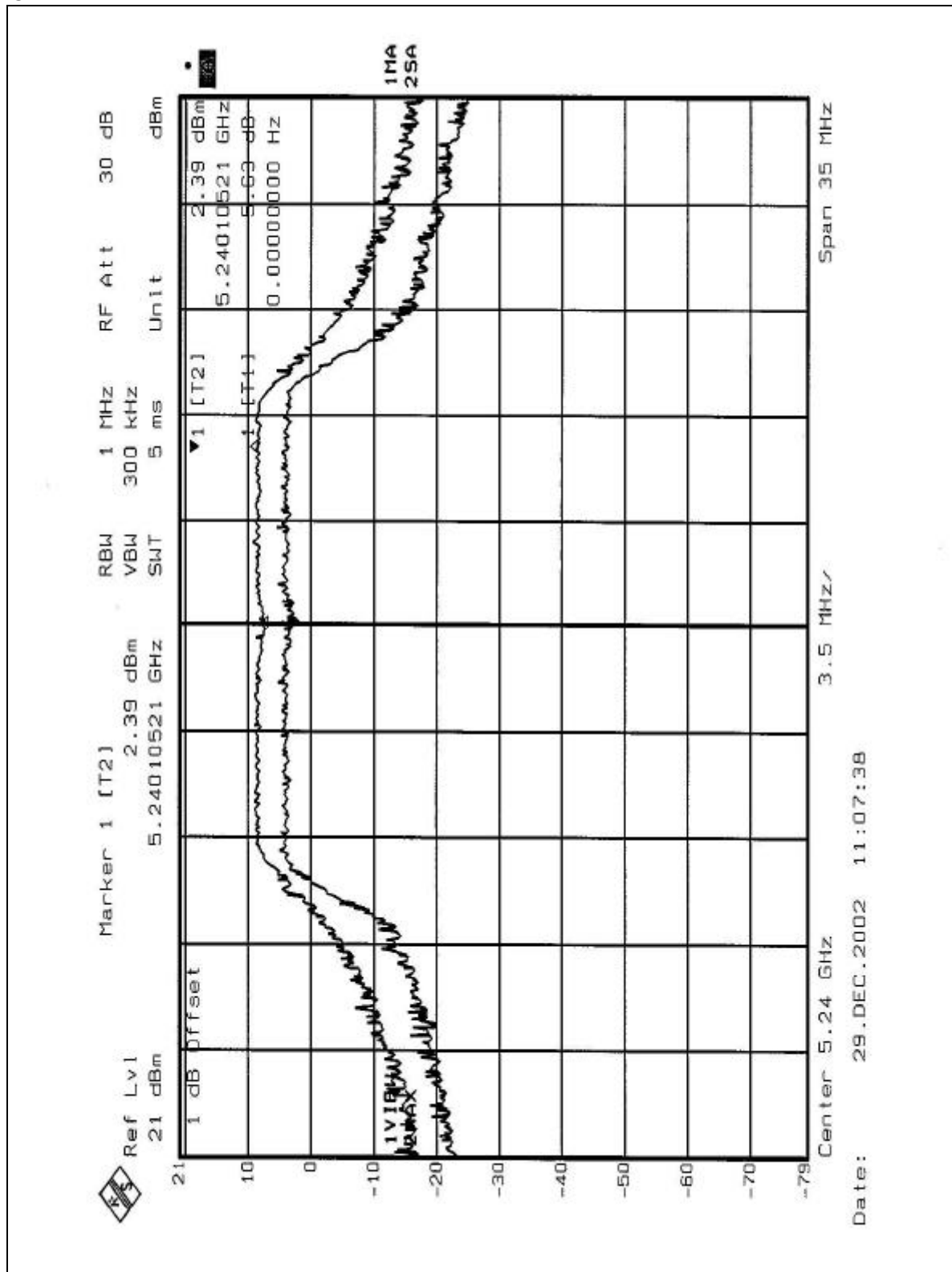
|                                 |                             |                             |               |
|---------------------------------|-----------------------------|-----------------------------|---------------|
| <b>EUT</b>                      | 2.4GHz/5GHz Mini - PCI Card | <b>MODEL</b>                | WLL220        |
| <b>MODE</b>                     | Normal                      | <b>INPUT POWER (SYSTEM)</b> | 120Vac, 60 Hz |
| <b>ENVIRONMENTAL CONDITIONS</b> | 20deg. C, 60RH, 1005 hPa    | <b>TESTED BY</b>            | Steven Lu     |

| <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                           | 6.99                             | 13                                          | PASS             |
| 4              | 5240                           | 5.63                             | 13                                          | PASS             |
| 5              | 5260                           | 5.99                             | 13                                          | PASS             |
| 8              | 5320                           | 6.55                             | 13                                          | PASS             |
| 9              | 5745                           | 5.11                             | 13                                          | PASS             |
| 12             | 5805                           | 6.51                             | 13                                          | PASS             |

## CHANNEL 1



## CHANNEL 4



## CHANNEL 5

