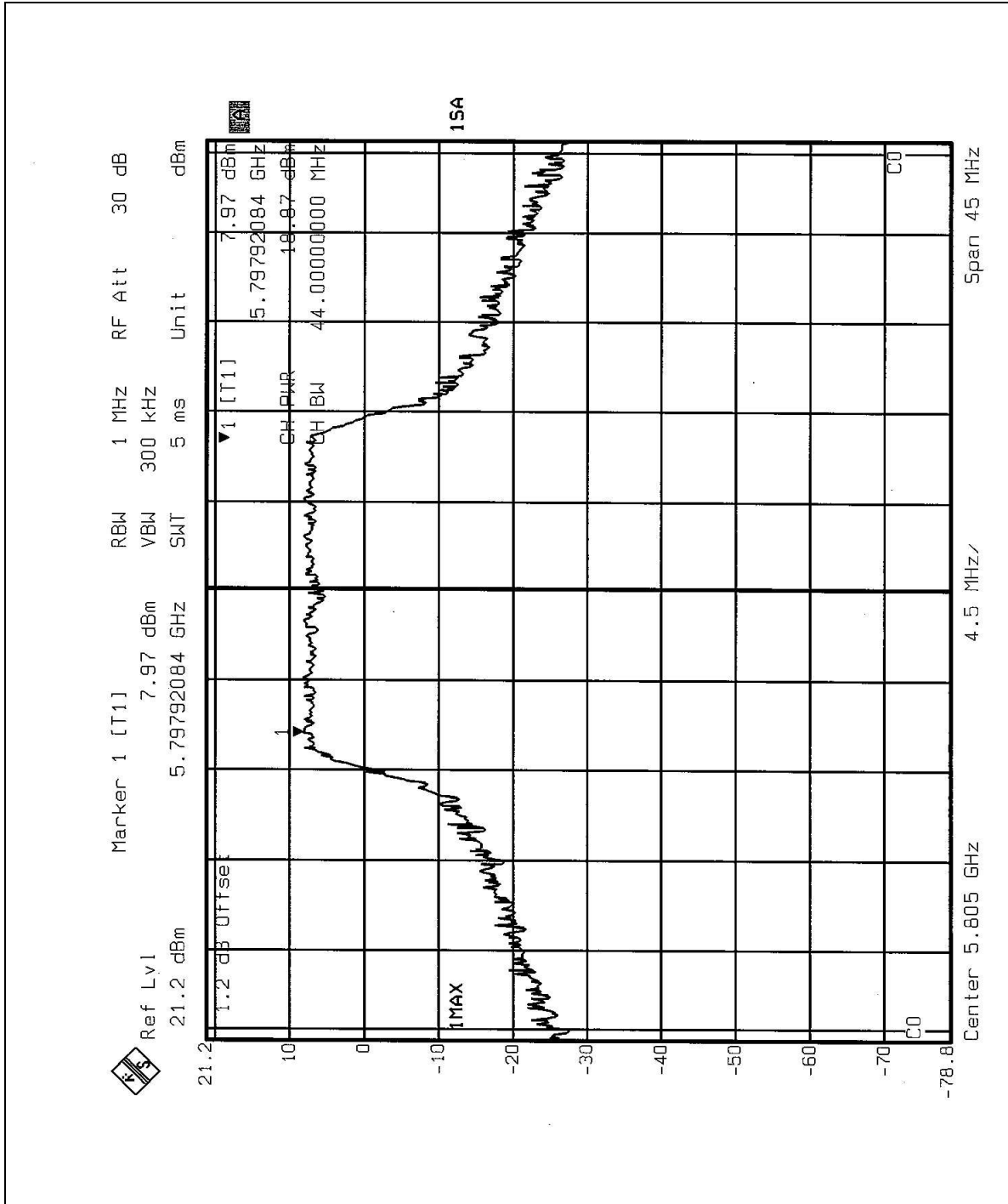


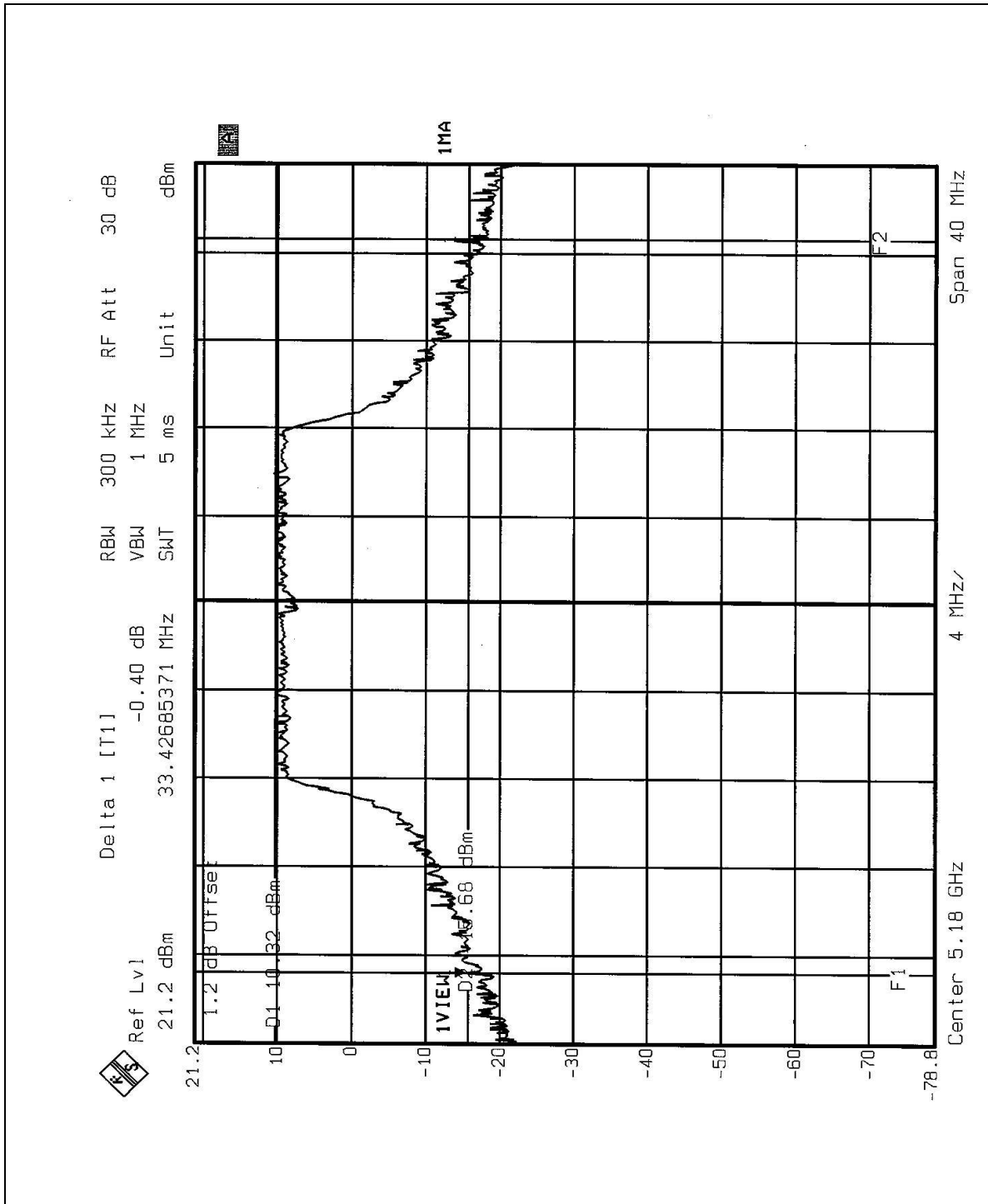


CHANNEL 12



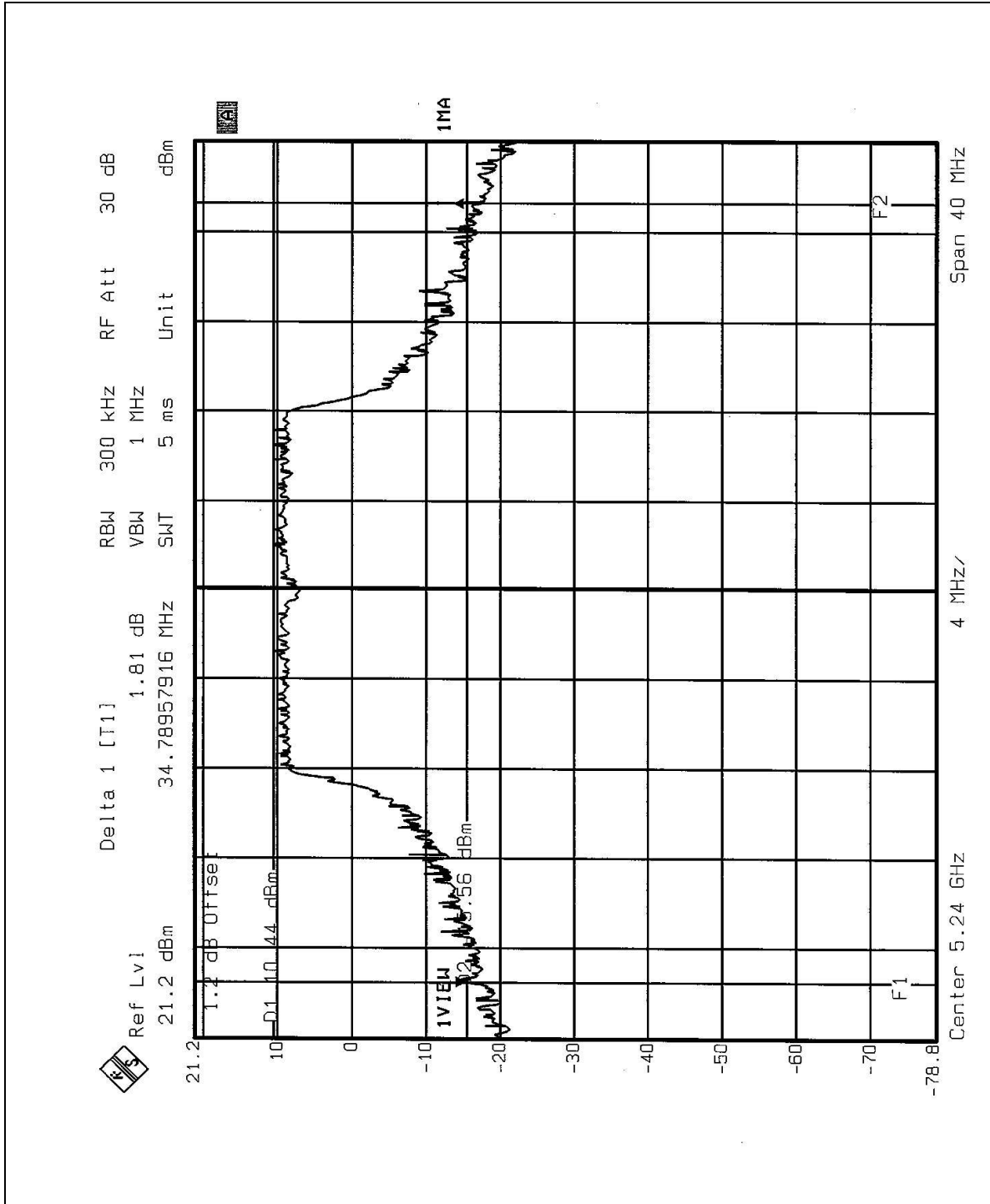


CHANNEL 1



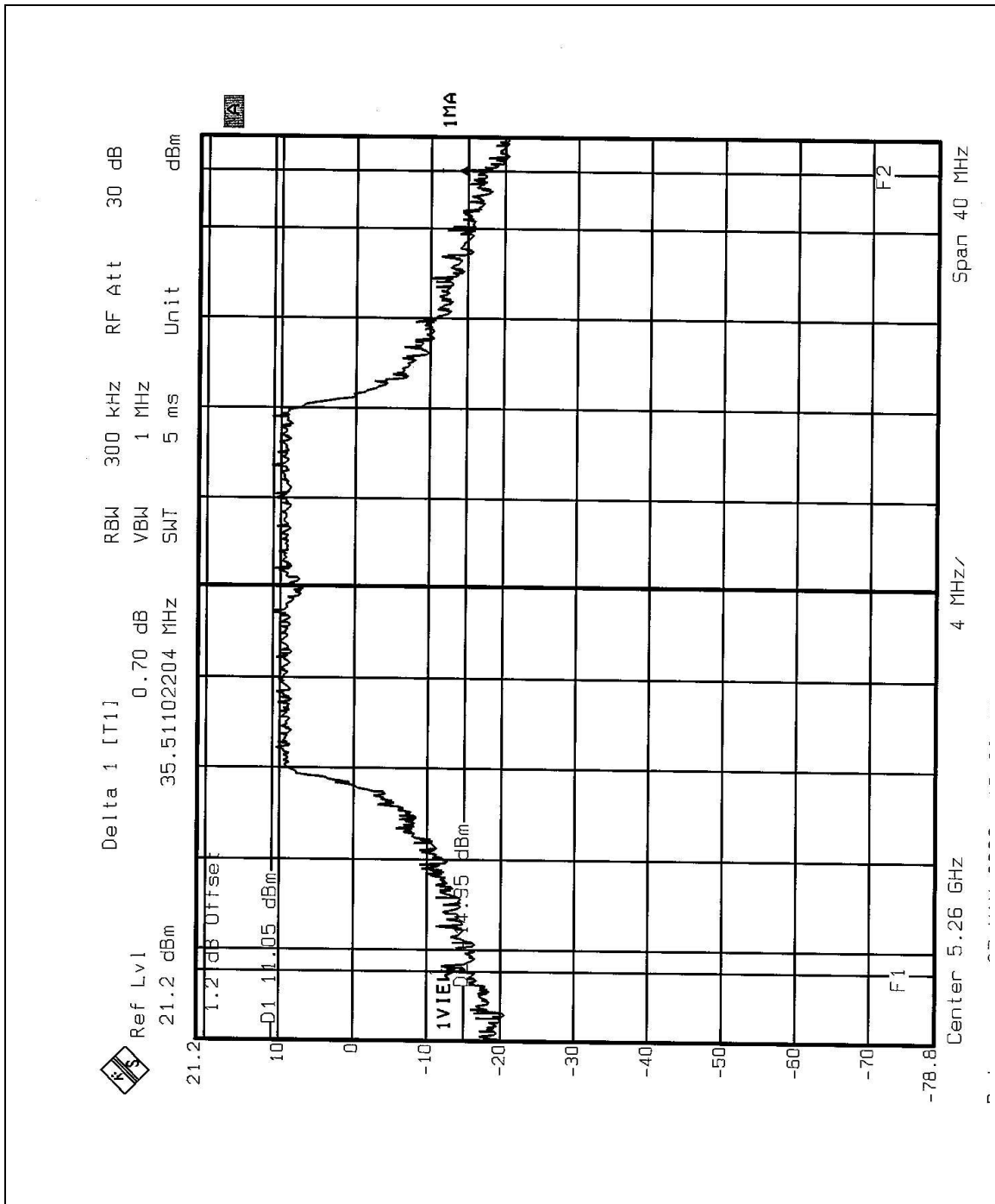


CHANNEL 4



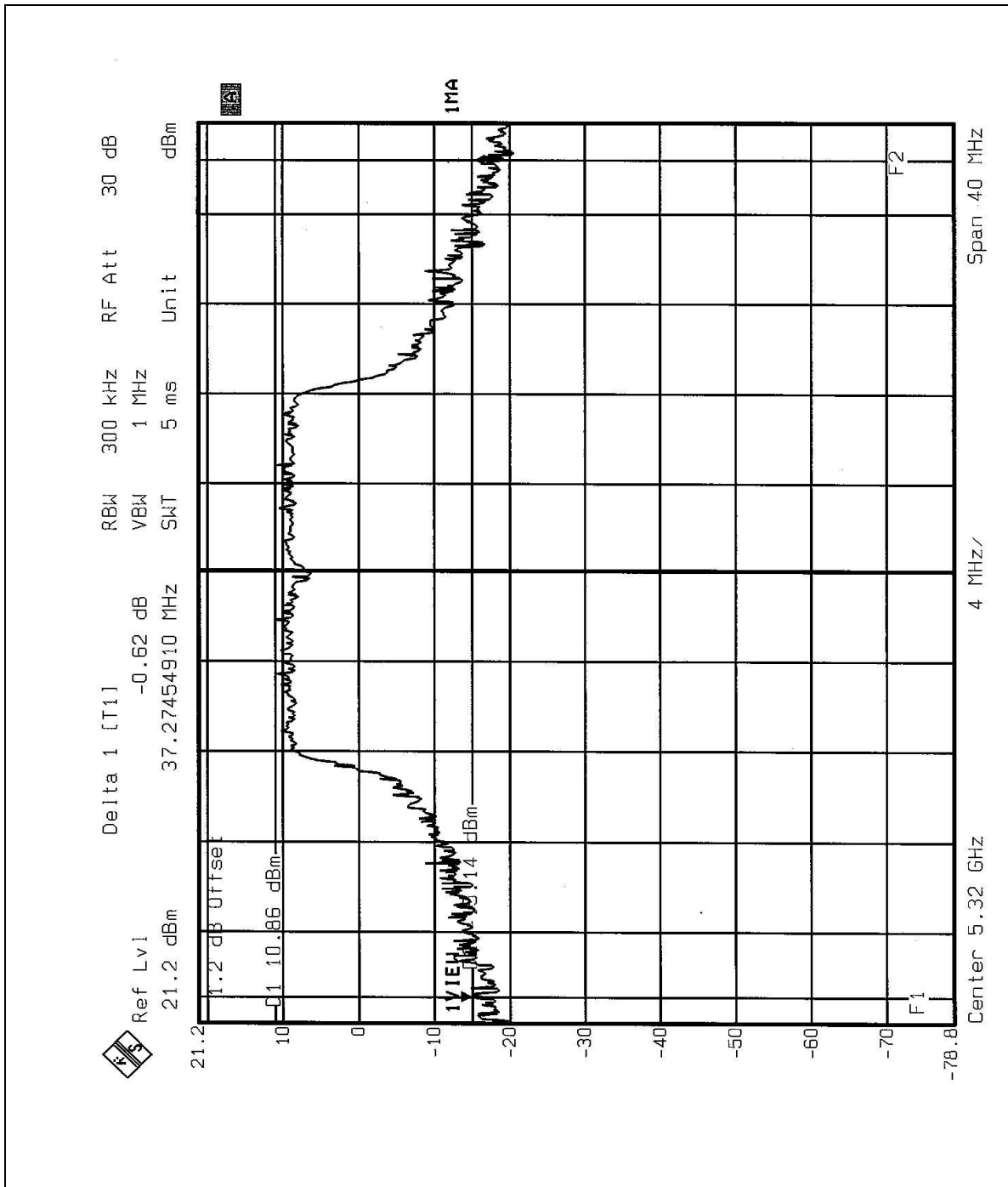


CHANNEL 5



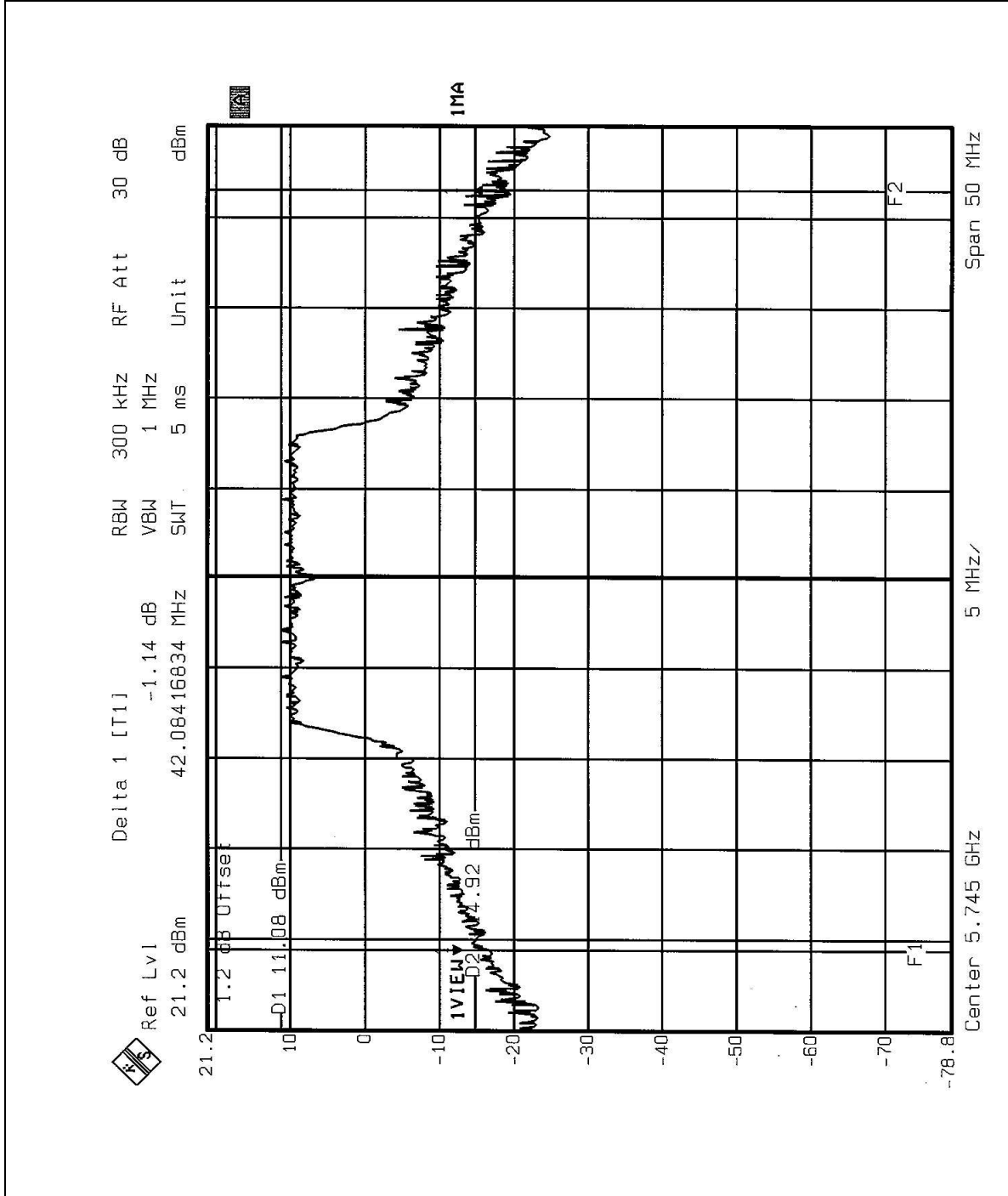


CHANNEL 8



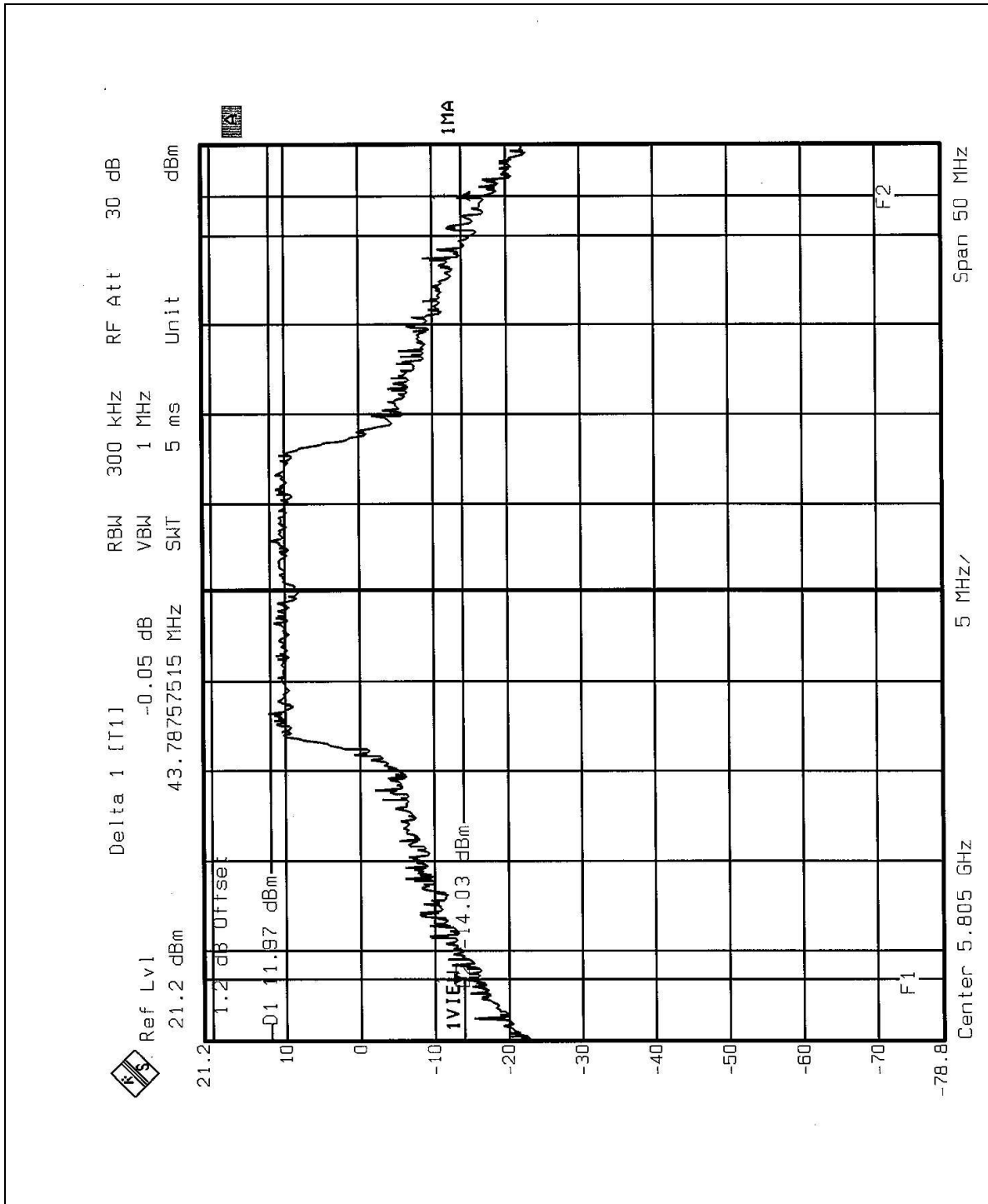


CHANNEL9





CHANNEL 12





## 5.4 PEAK POWER EXCURSION MEASUREMENT

### 5.4.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Frequency Band	Limit
5.15 – 5.25GHz	13dB
5.25 – 5.35GHz	13dB
5.725 – 5.825GHz	13dB

### 5.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
ROHDE&SCHWARZ 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.





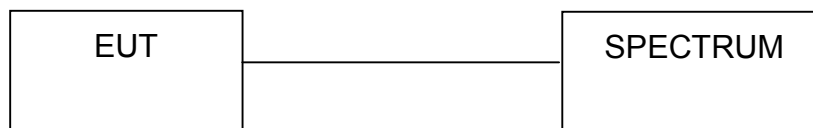
### 5.4.3 TEST PROCEDURE

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.



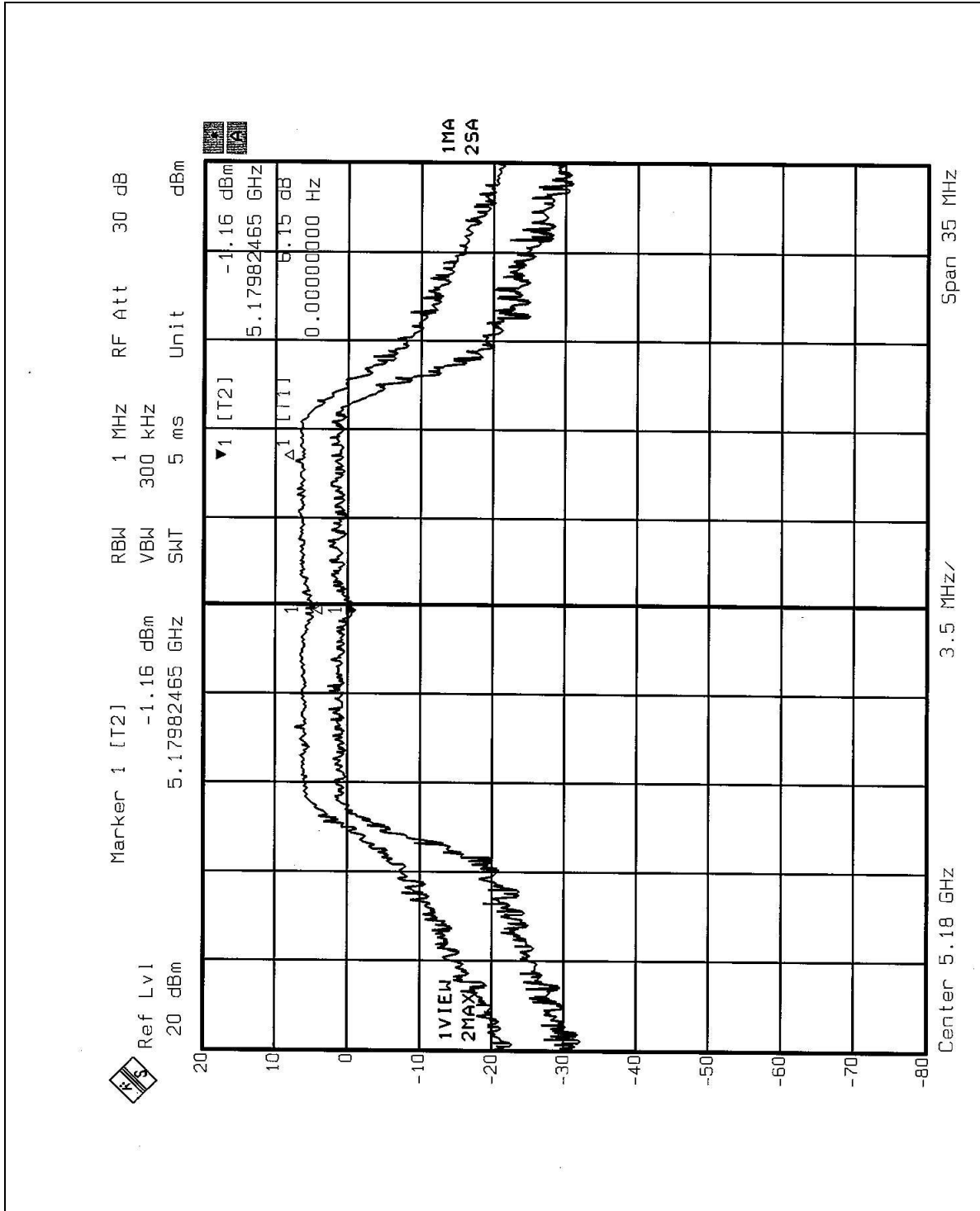
## 5.4.7 TEST RESULTS

<b>EUT</b>	Wireless Cardbus Adapter	<b>MODEL</b>	SL-5354CB ARIES
<b>ENVIRONMENTAL CONDITIONS</b>	20deg. C, 69%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	6.15	13	PASS
4	5240	6.78	13	PASS
5	5260	5.12	13	PASS
8	5320	6.55	13	PASS
9	5745	6.97	13	PASS
12	5805	6.13	13	PASS

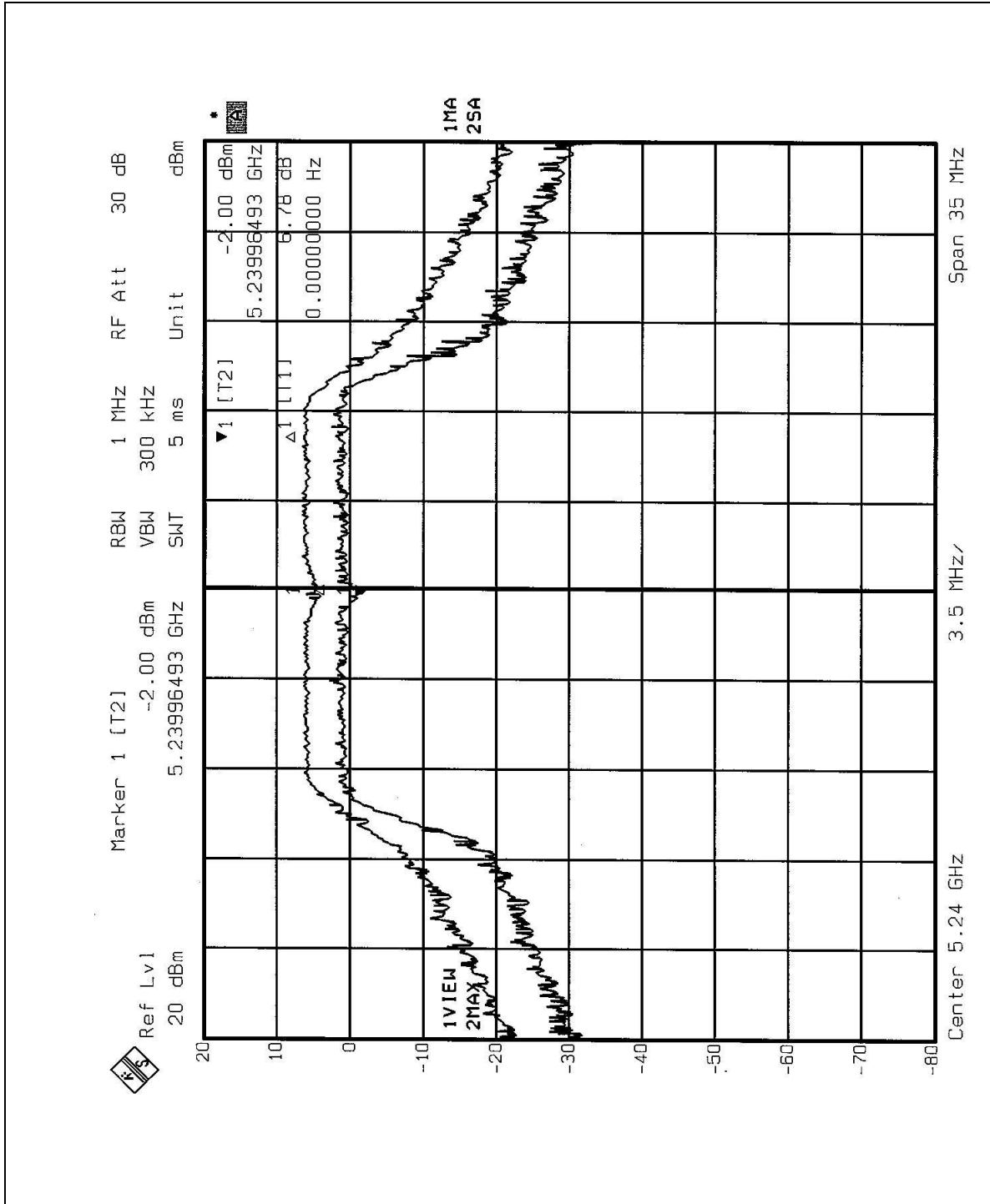


CHANNEL 1



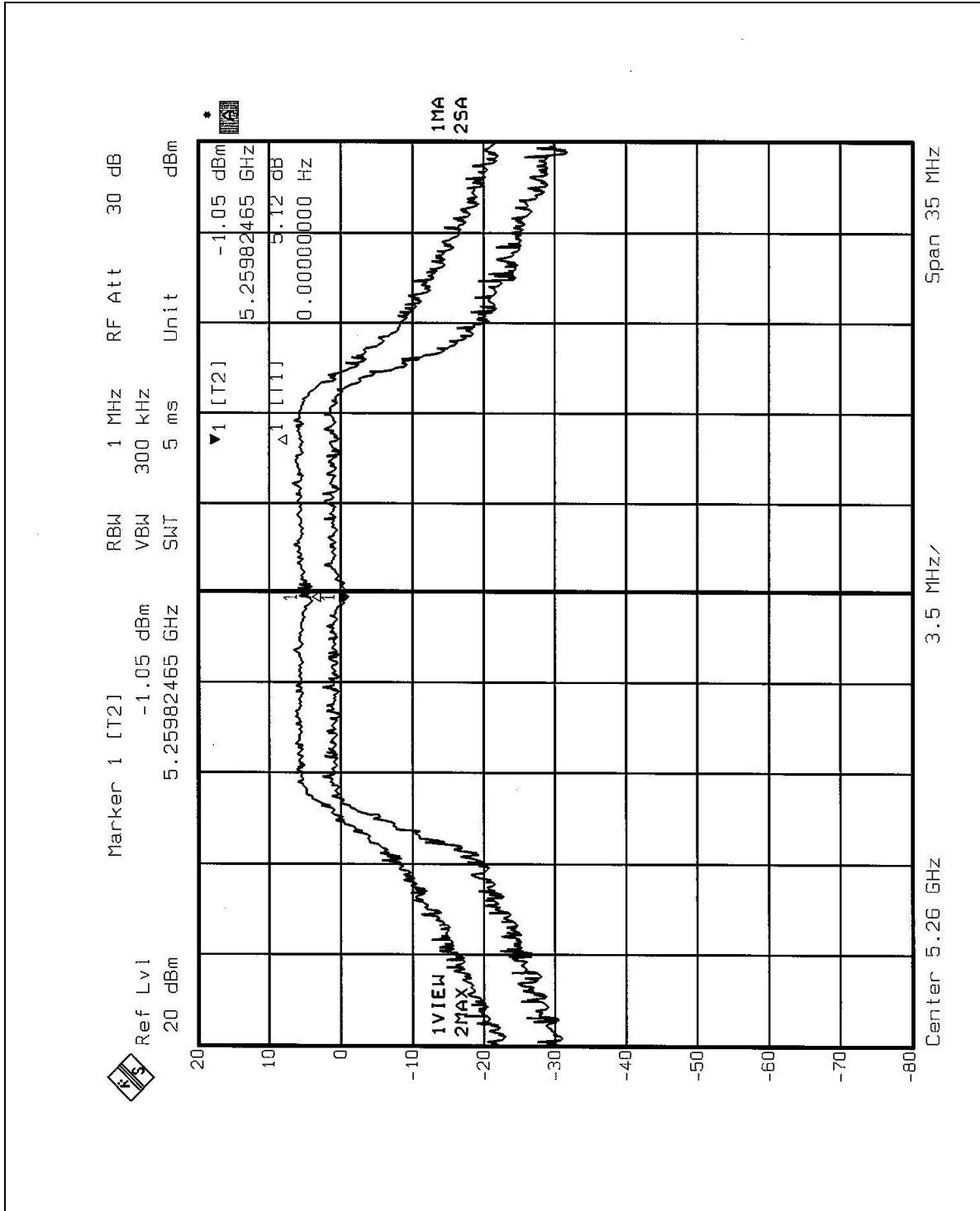


CHANNEL 4



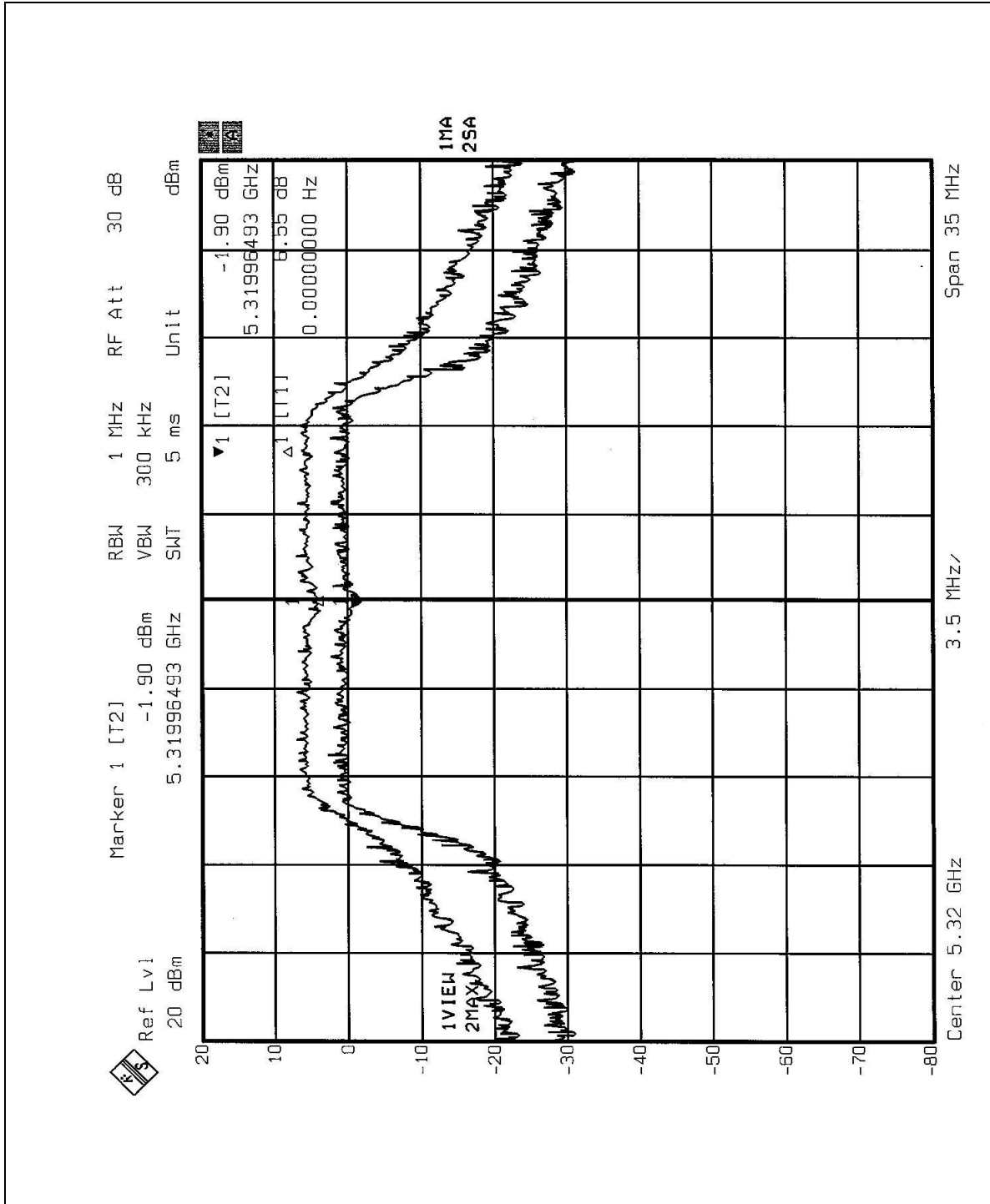


CHANNEL 5



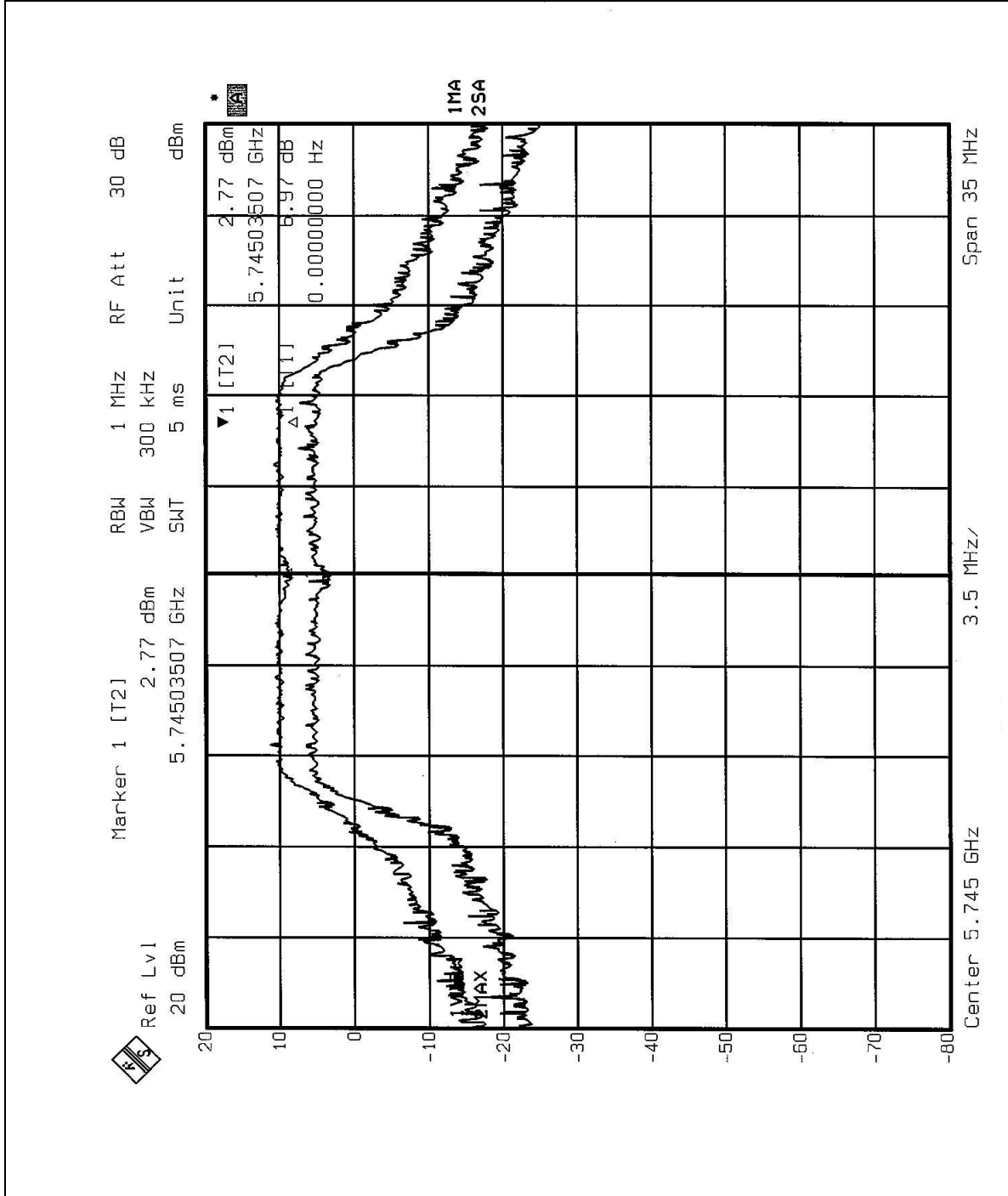


CHANNEL 8



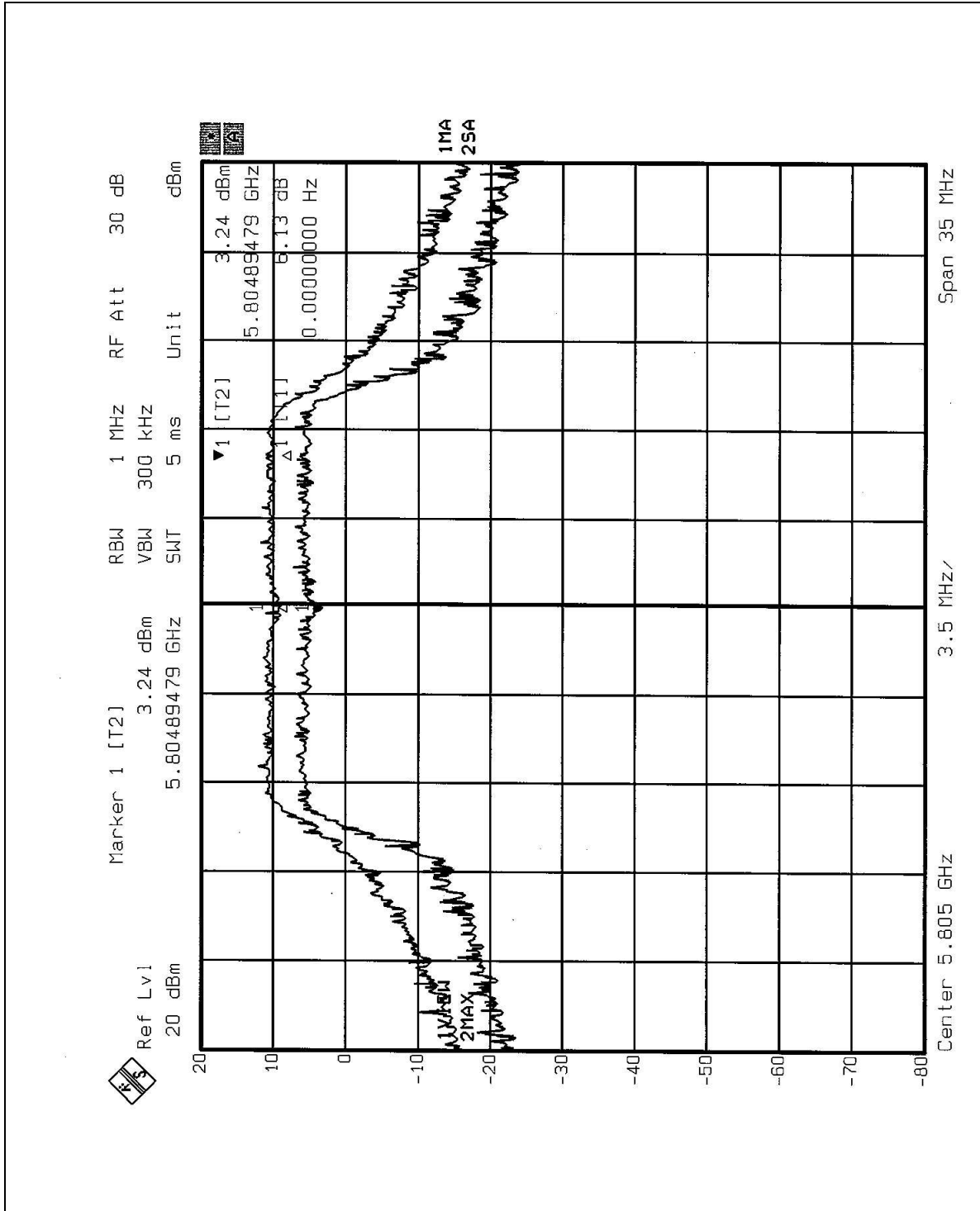


CHANNEL 9





CHANNEL 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
ROHDE&SCHWARZ 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.



### 5.5.3 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



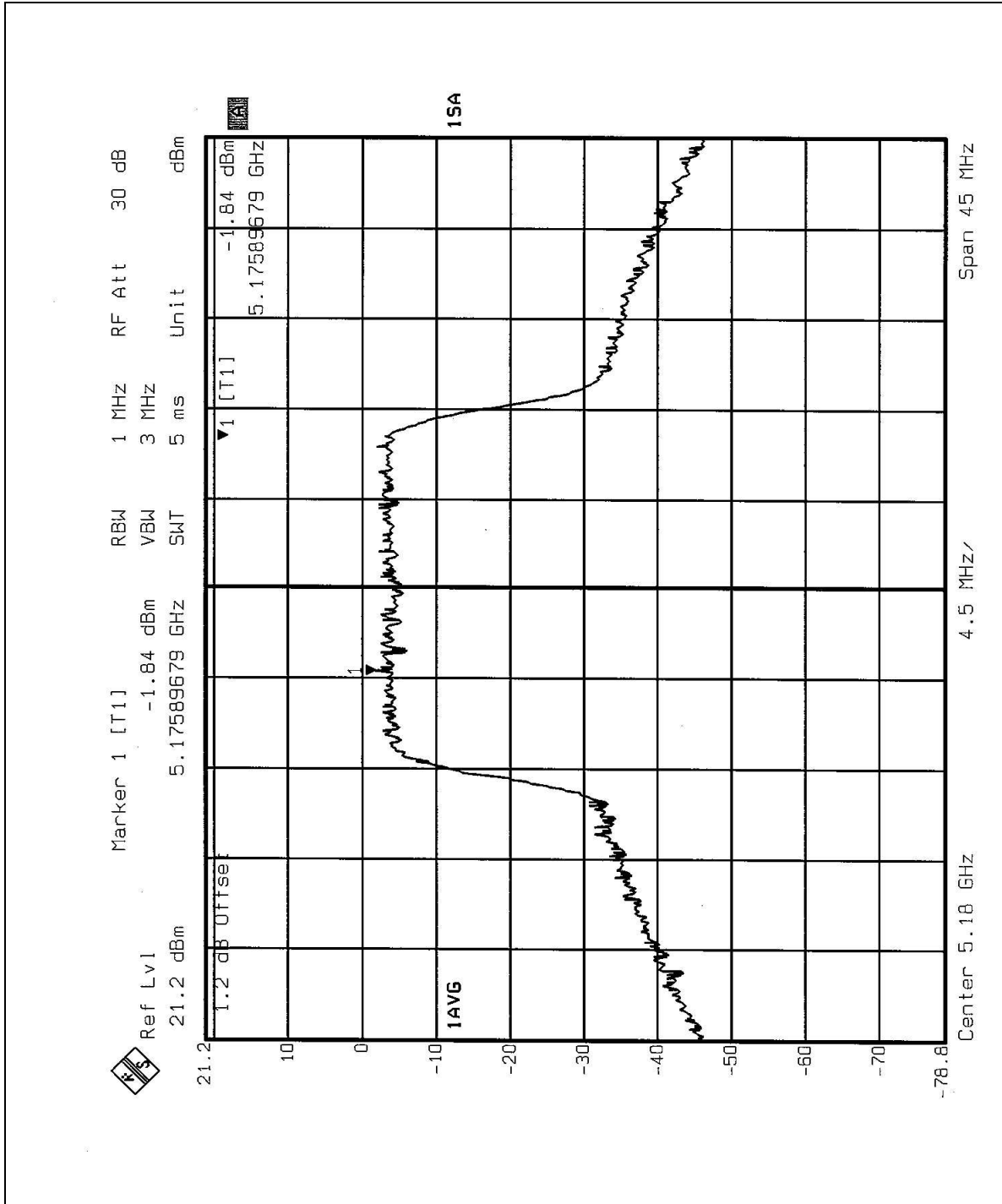
## 5.5.7 TEST RESULTS

<b>EUT</b>	Wireless Cardbus Adapter	<b>MODEL</b>	SL-5354CB ARIES
<b>ENVIRONMENTAL CONDITIONS</b>	20deg. C, 69%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	-1.84	4	PASS
4	5240	-2.08	4	PASS
5	5260	-2.83	11	PASS
8	5320	-2.80	11	PASS
9	5745	2.16	17	PASS
12	5805	2.53	17	PASS

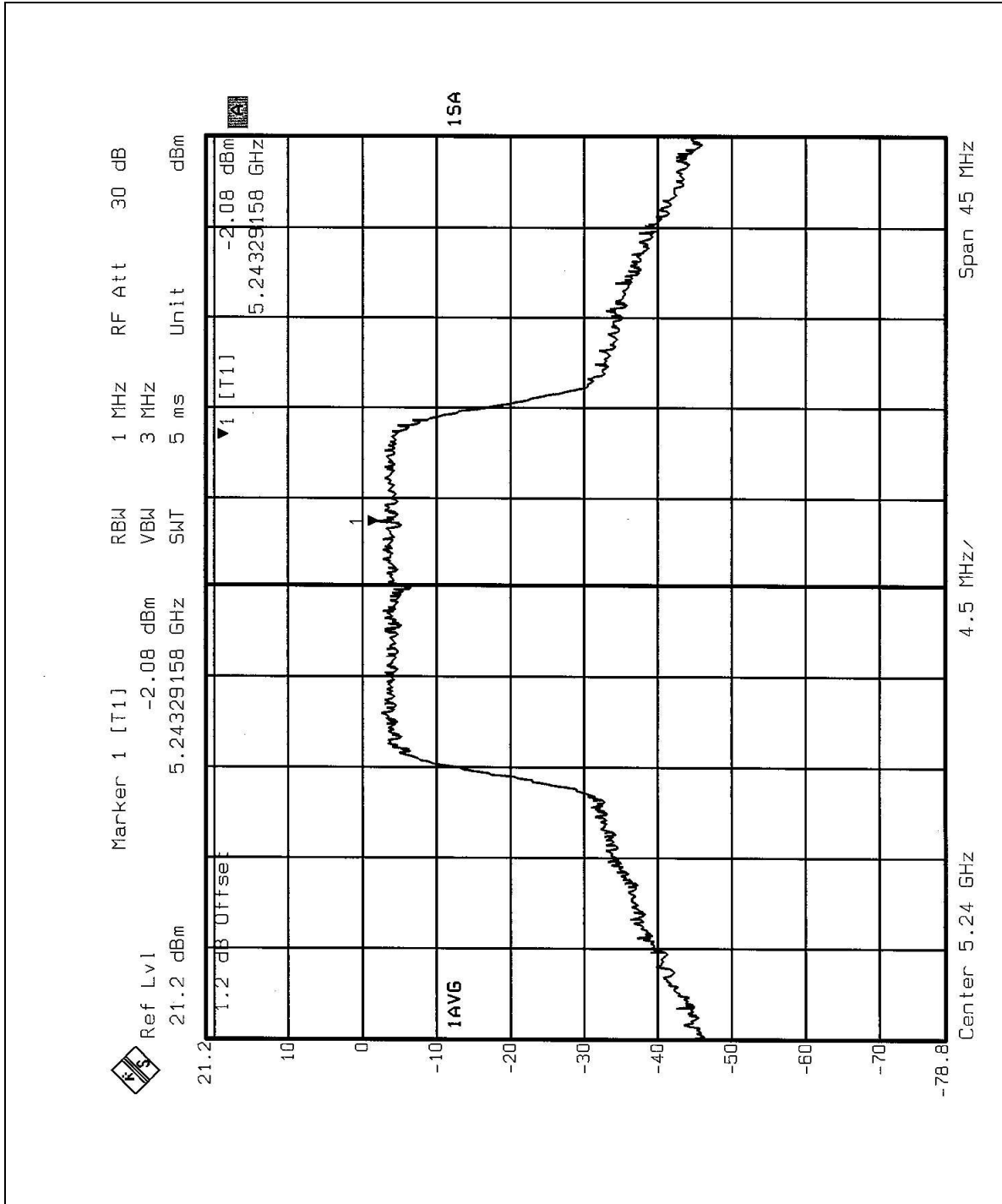


CHANNEL 1



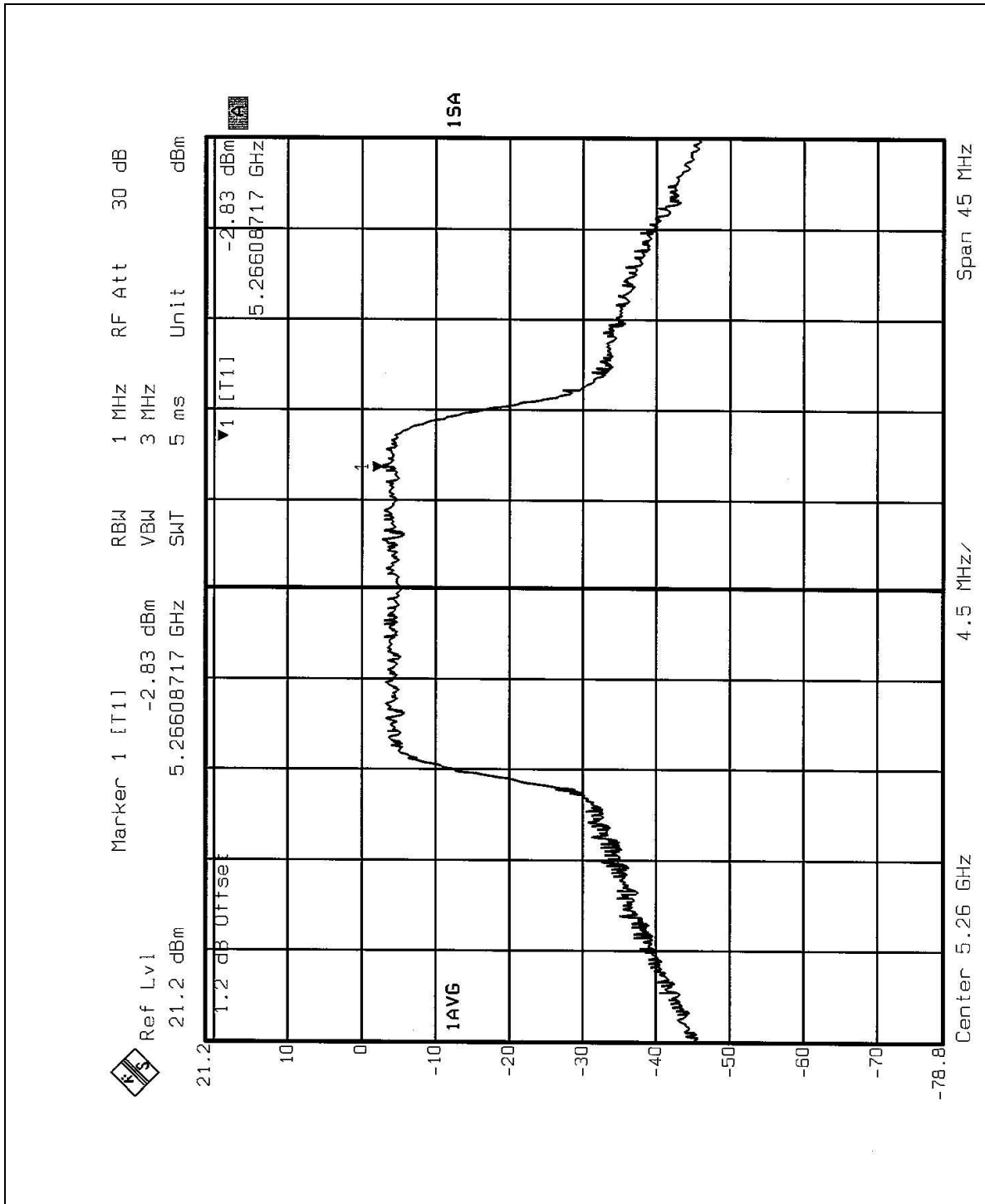


CHANNEL 4



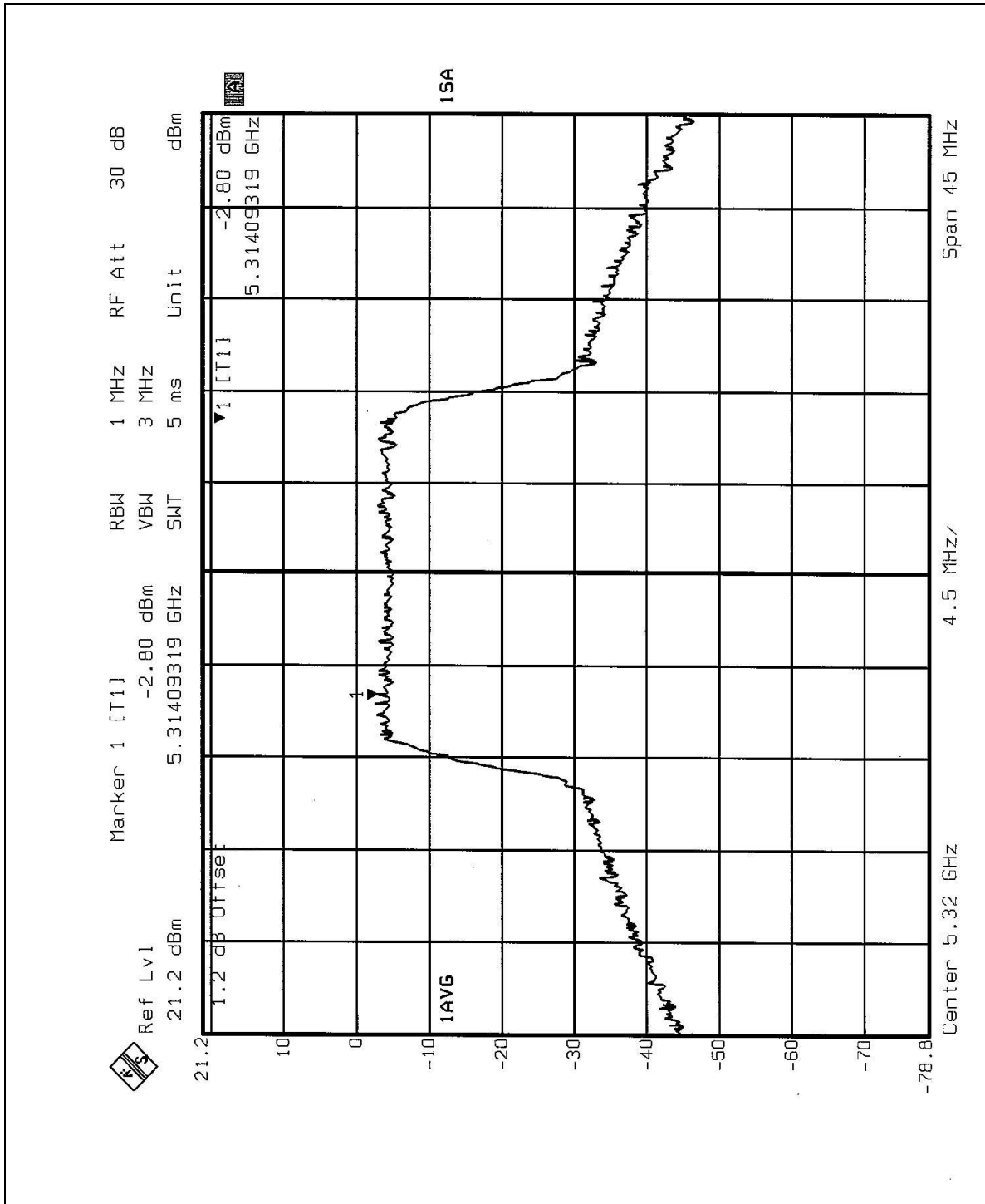


CHANNEL 5



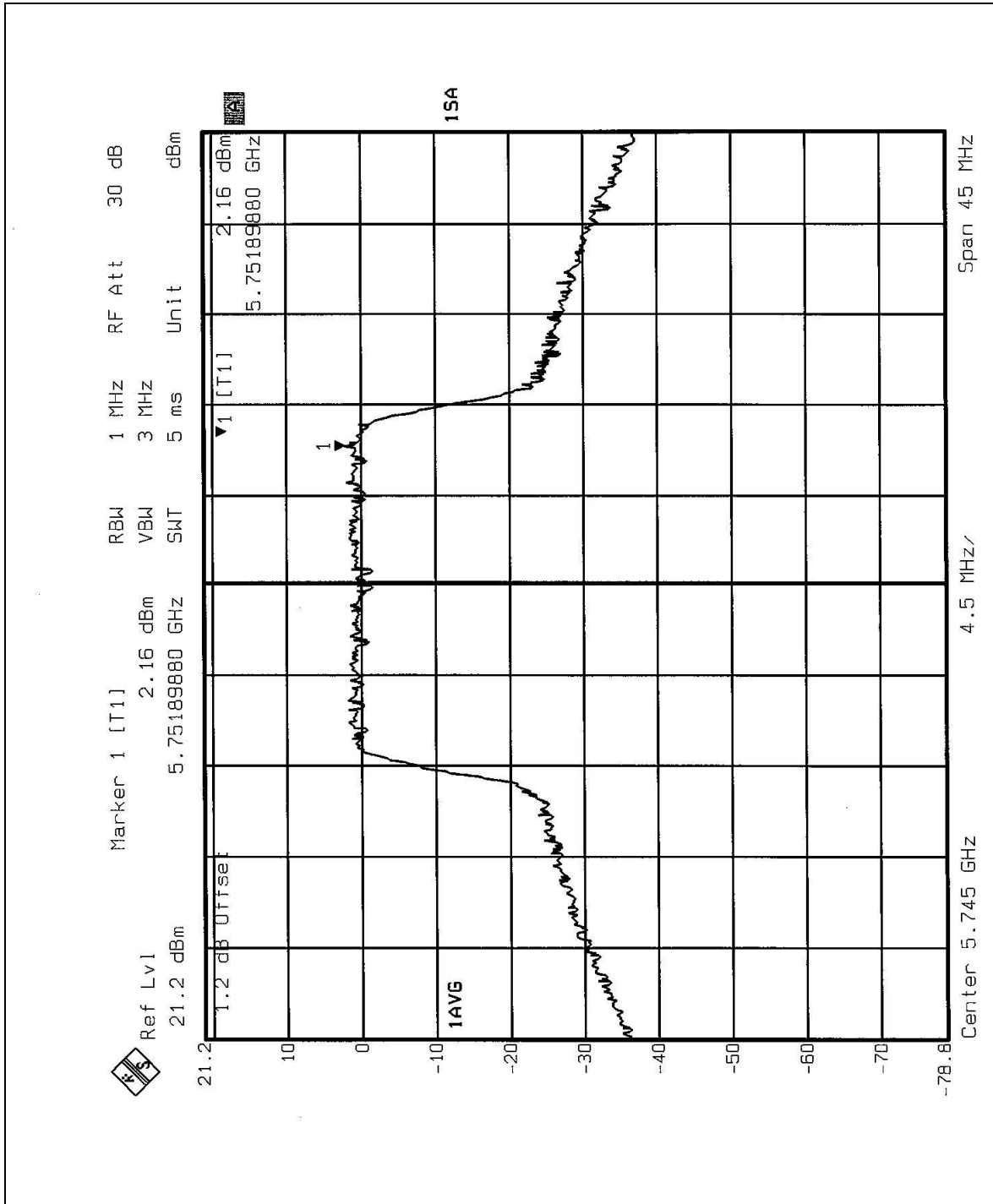


CHANNEL 8





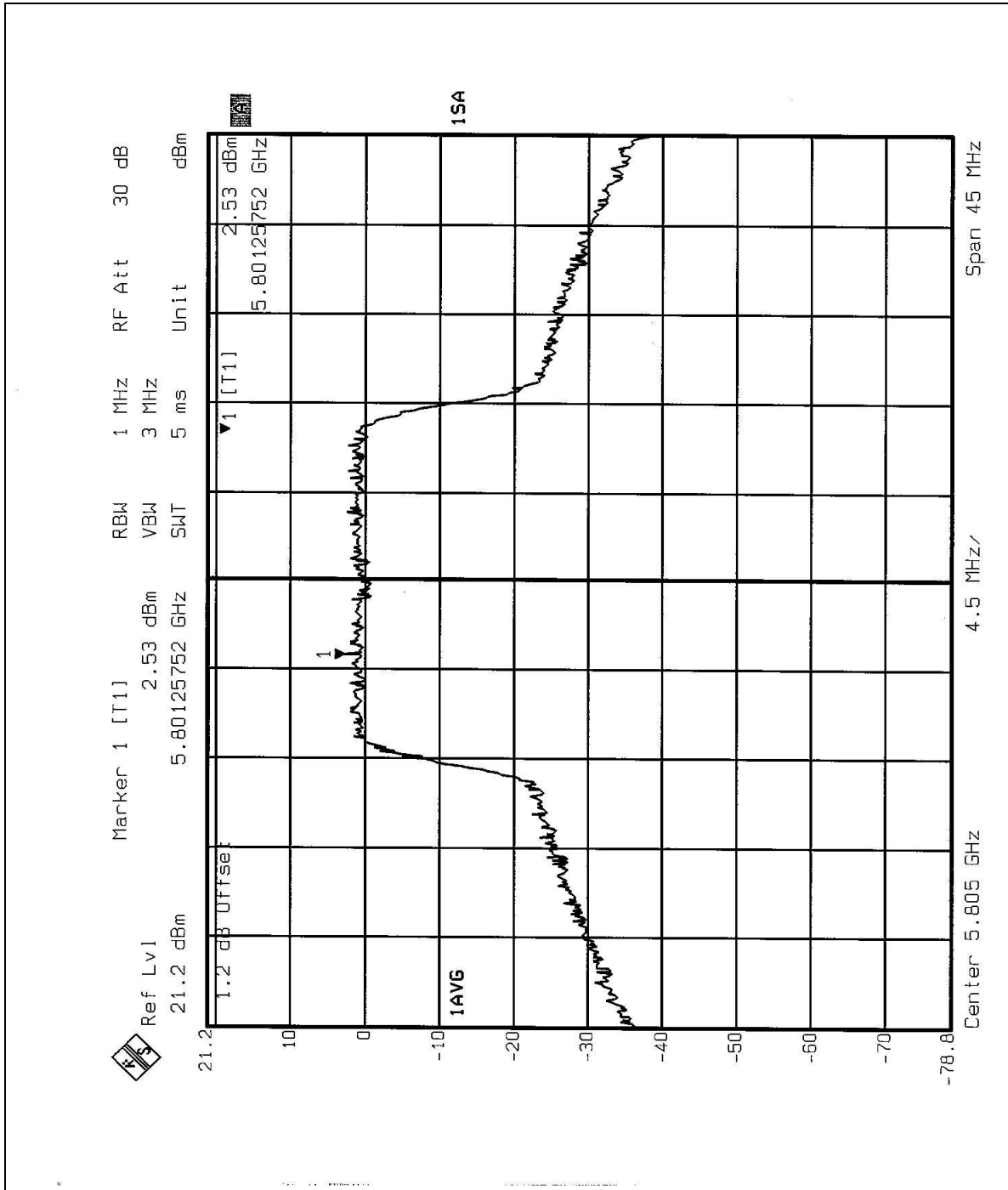
CHANNEL 9







CHANNEL 12





## 5.6 FREQUENCY STABILITY

### 5.6.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

The frequency tolerance of the carrier signal shall be maintained within +/- 0.02% of the operating frequency over a temperature variation of -30 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

### 5.6.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
ANRITSU SPECTRUM ANALYZER	MS2667C	M10281	Mar. 15, 2003
WIT STANDARD TEMPERATURE AND HUMIDITY CHAMBER	TH-4S-C	W901030	Jun. 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.

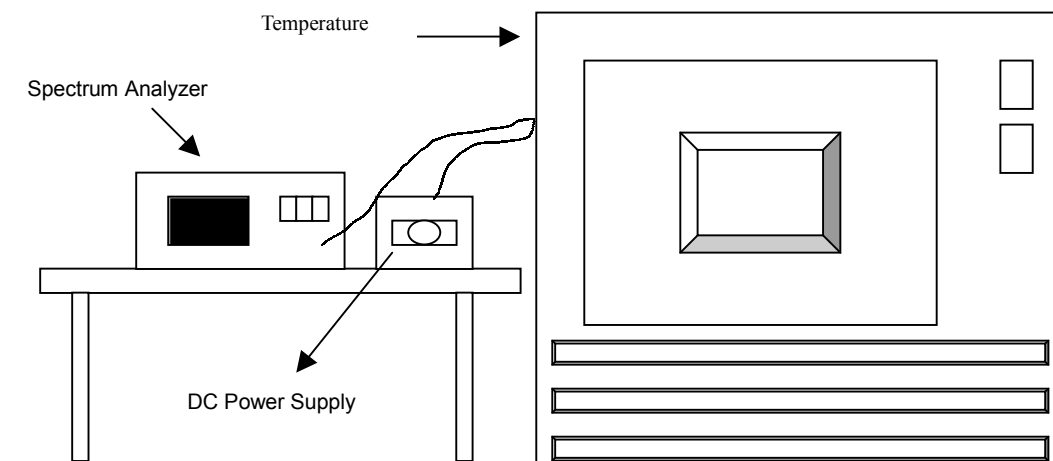
### 5.6.3 TEST PROCEDURE

1. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

### 5.6.4 DEVIATION FROM TEST STANDARD

No deviation

### 5.6.5 TEST SETUP



### 5.6.6 EUT OPERATING CONDITION

Same as Item 4.1.6

## 5.6.7 TEST RESULTS

		Operating frequency: 5320MHz				Limit : $\pm 0.02\%$	
Temp. (°C)	Power supply (VDC)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
50	126.5	5319.9913	-0.0001635	5319.9935	-0.0001222	5319.9940	-0.0001128
	110.0	5319.9933	-0.0001259	5319.9937	-0.0001184	5319.9940	-0.0001128
	93.5	5319.9931	-0.0001297	5319.9937	-0.0001184	5319.9942	-0.0001090
40	126.5	5319.9901	-0.0001861	5319.9907	-0.0001748	5319.9903	-0.0001823
	110.0	5319.9900	-0.0001880	5319.9903	-0.0001823	5319.9903	-0.0001823
	93.5	5319.9903	-0.0001823	5319.9904	-0.0001805	5319.9906	-0.0001767
30	126.5	5319.9930	-0.0001316	5319.9933	-0.0001259	5319.9930	-0.0001316
	110.0	5319.9923	-0.0001447	5319.9917	-0.0001560	5319.9907	-0.0001748
	93.5	5319.9933	-0.0001259	5319.9937	-0.0001184	5319.9935	-0.0001222
20	126.5	5319.9997	-0.0000056	5319.9992	-0.0000150	5319.9989	-0.0000207
	110.0	5319.9997	-0.0000056	5319.9992	-0.0000150	5319.9989	-0.0000207
	93.5	5319.9993	-0.0000132	5319.9994	-0.0000113	5319.9993	-0.0000132
10	126.5	5320.0018	0.0000338	5320.0023	0.0000432	5320.0032	0.0000602
	110.0	5320.0017	0.0000320	5320.0023	0.0000432	5320.0030	0.0000564
	93.5	5320.0017	0.0000320	5320.0025	0.0000470	5320.0034	0.0000639
0	126.5	5320.0108	0.0002030	5320.0112	0.0002105	5320.0107	0.0002011
	110.0	5320.0100	0.0001880	5320.0112	0.0002105	5320.0107	0.0002011
	93.5	5320.0102	0.0001917	5320.0116	0.0002180	5320.0107	0.0002011
-10	126.5	5320.0143	0.0002688	5320.0143	0.0002688	5320.0145	0.0002726
	110.0	5320.0143	0.0002688	5320.0146	0.0002744	5320.0145	0.0002726
	93.5	5320.0145	0.0002726	5320.0147	0.0002763	5320.0147	0.0002763
-20	126.5	5320.0153	0.0002876	5320.0148	0.0002782	5320.0145	0.0002726
	110.0	5320.0153	0.0002876	5320.0148	0.0002782	5320.0143	0.0002688
	93.5	5320.0154	0.0002895	5320.0145	0.0002726	5320.0143	0.0002688
-30	126.5	5320.0063	0.0001184	5320.0061	0.0001147	5320.0065	0.0001222
	110.0	5320.0063	0.0001184	5320.0060	0.0001128	5320.0063	0.0001184
	93.5	5320.0064	0.0001203	5320.0065	0.0001222	5320.0063	0.0001184