

Sept. 10, 2003

FCC ID# H8NWLL220CL

Applicant: Askey Computer Corp.
Correspondence Reference Number: 25290
731 Confirmation Number: EA 185640

A3) Details of power measurement made for SAR. Are these peak or average?
What is BW of measurement equipment?

Response:

There is a typo in the caption of Table 1 on p. 12 of the SAR report . The caption should read " Peak conducted RF power" rather than Average conducted RF power. The procedure for conducted output power measurements used the channel power function of the Spectrum Analyzer Model FSEK 30. Attach an appendix giving the power outputs for various channels.

Appendix

1. PEAK TRANSMIT POWER MEASUREMENT

2. LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.25 – 5.35 GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.725 – 5.825 GHz	The lesser of 1W (30dBm) or 17dBm + 10logB

Note: Where B is the 26dB emission bandwidth in MHz.

3. TEST INSTRUMENTS

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

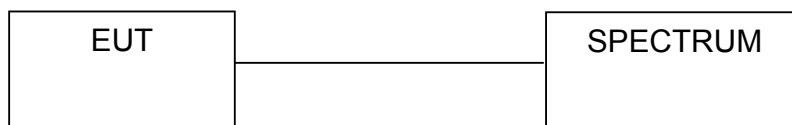
4. TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer.
2. Set span to encompass the entire emission bandwidth of the signal.
3. Set RBW to 1MHz, VBW to 300kHz.
4. Using the spectrum analyzer's channel power measurement function to measure the output power.

5. DEVIATION FROM TEST STANDARD

No deviation

6. TEST SETUP



7. EUT OPERATING CONDITIONS

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

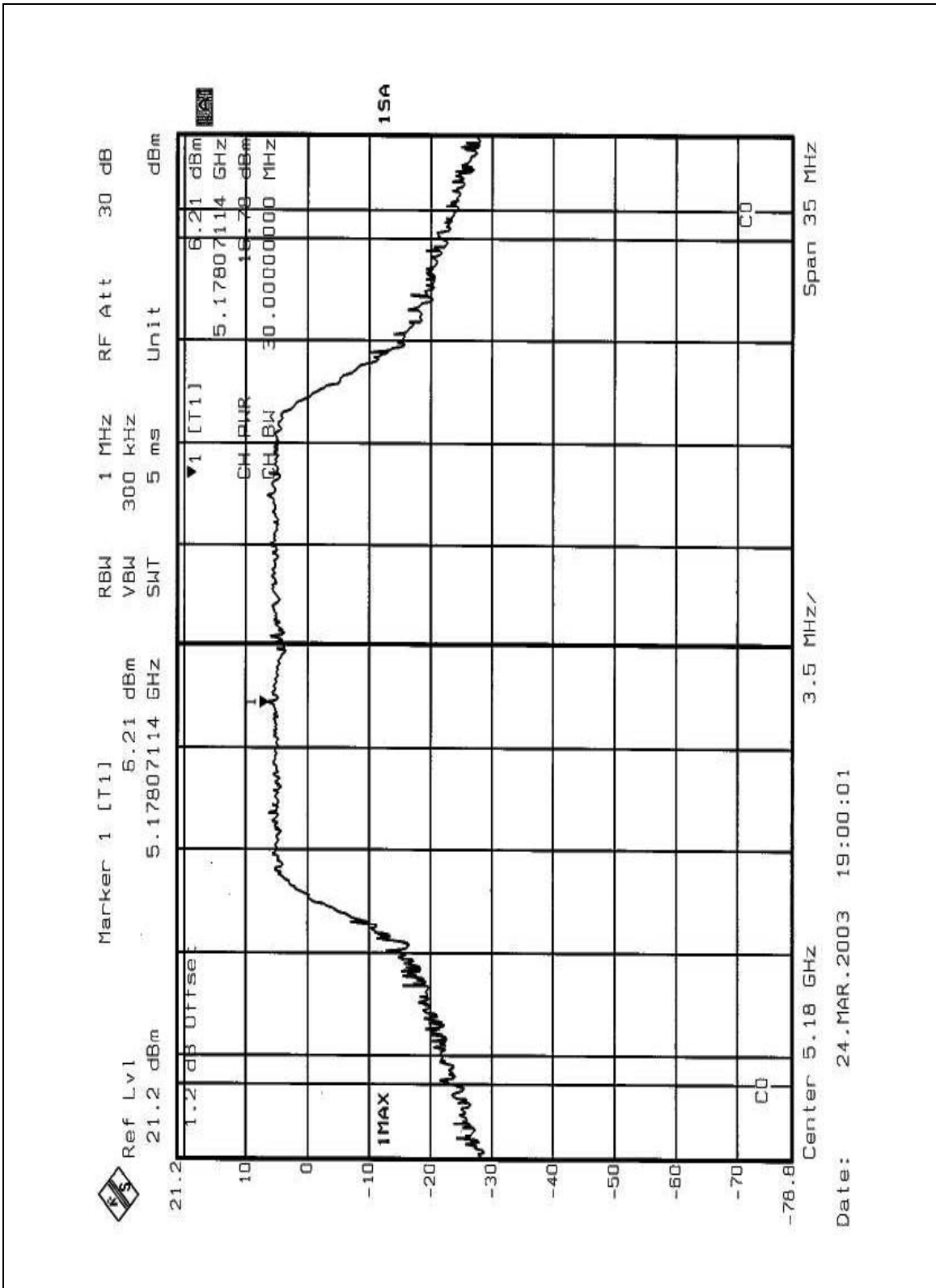
8. TEST RESULTS

EUT	2.4GHz/5GHz Mini - PCI Card	MODEL	WLL220
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19deg. C, 69RH, 991 hPa	TESTED BY	Ansen Lei

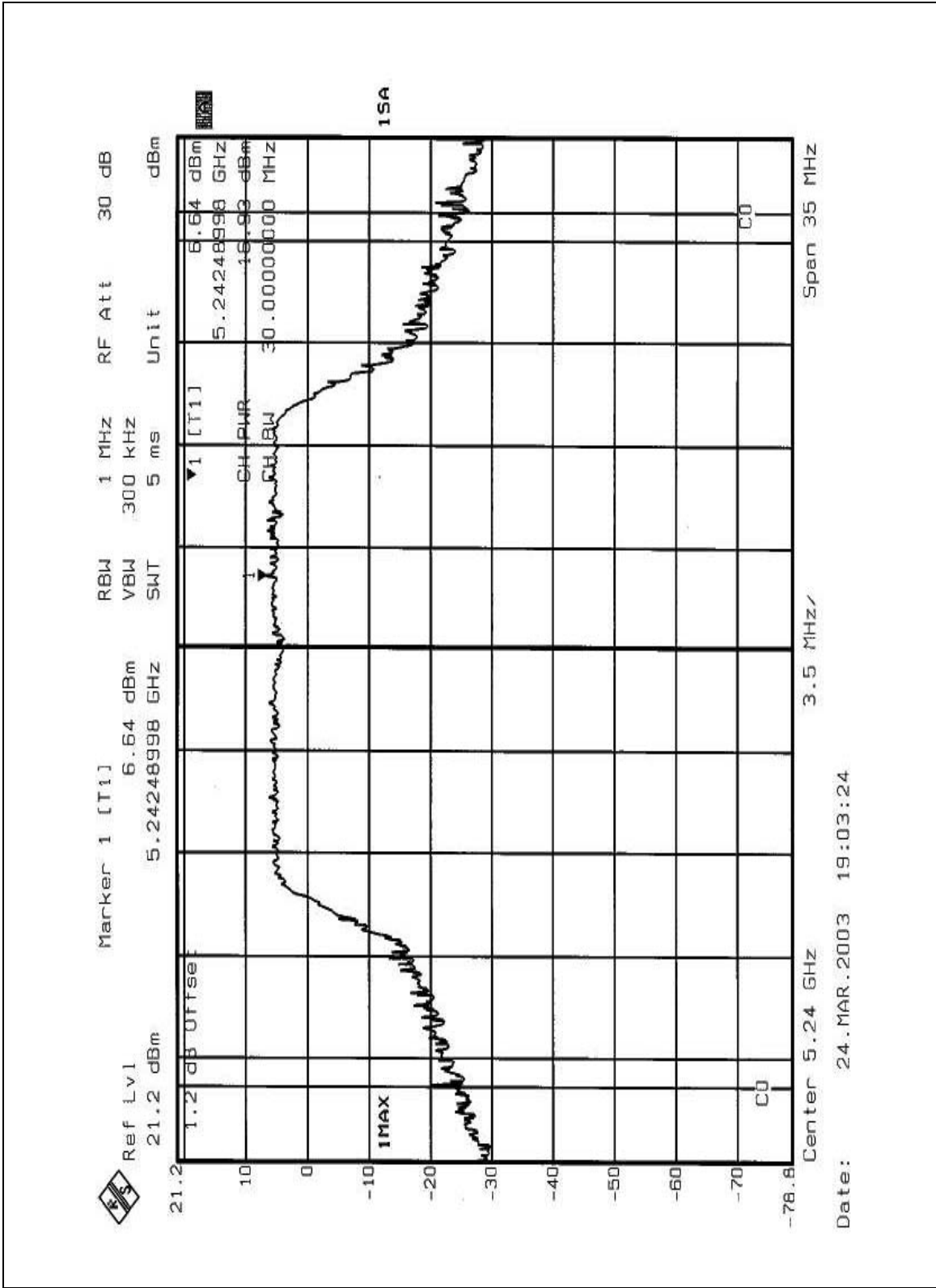
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5180	16.78	17.00	28.27	PASS
4	5240	16.93	17.00	28.83	PASS
5	5260	22.51	24.00	27.99	PASS
8	5320	22.37	24.00	28.69	PASS
9	5745	17.08	30.00	30.37	PASS
12	5805	18.43	30.00	31.14	PASS

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

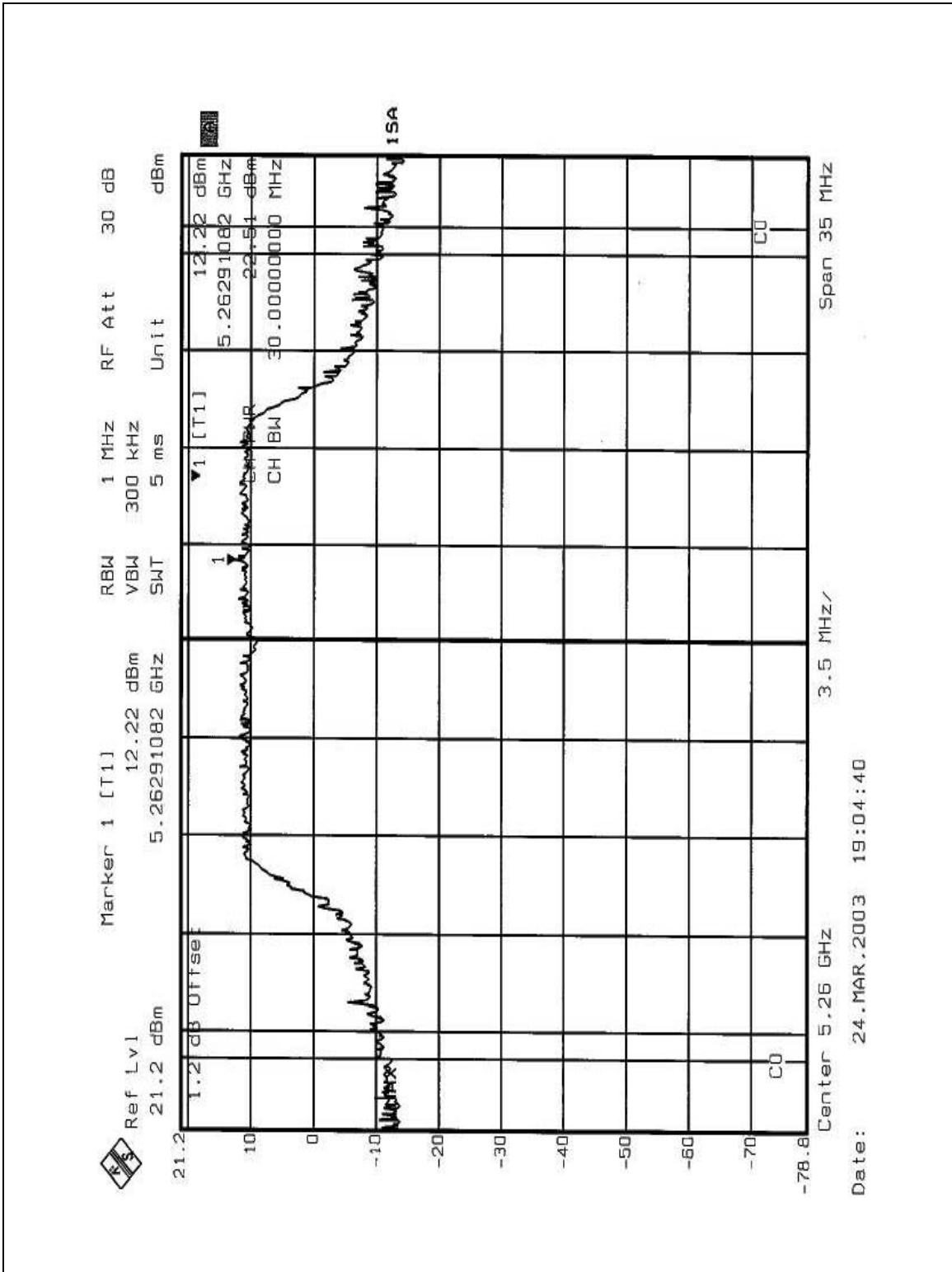
CHANNEL 1



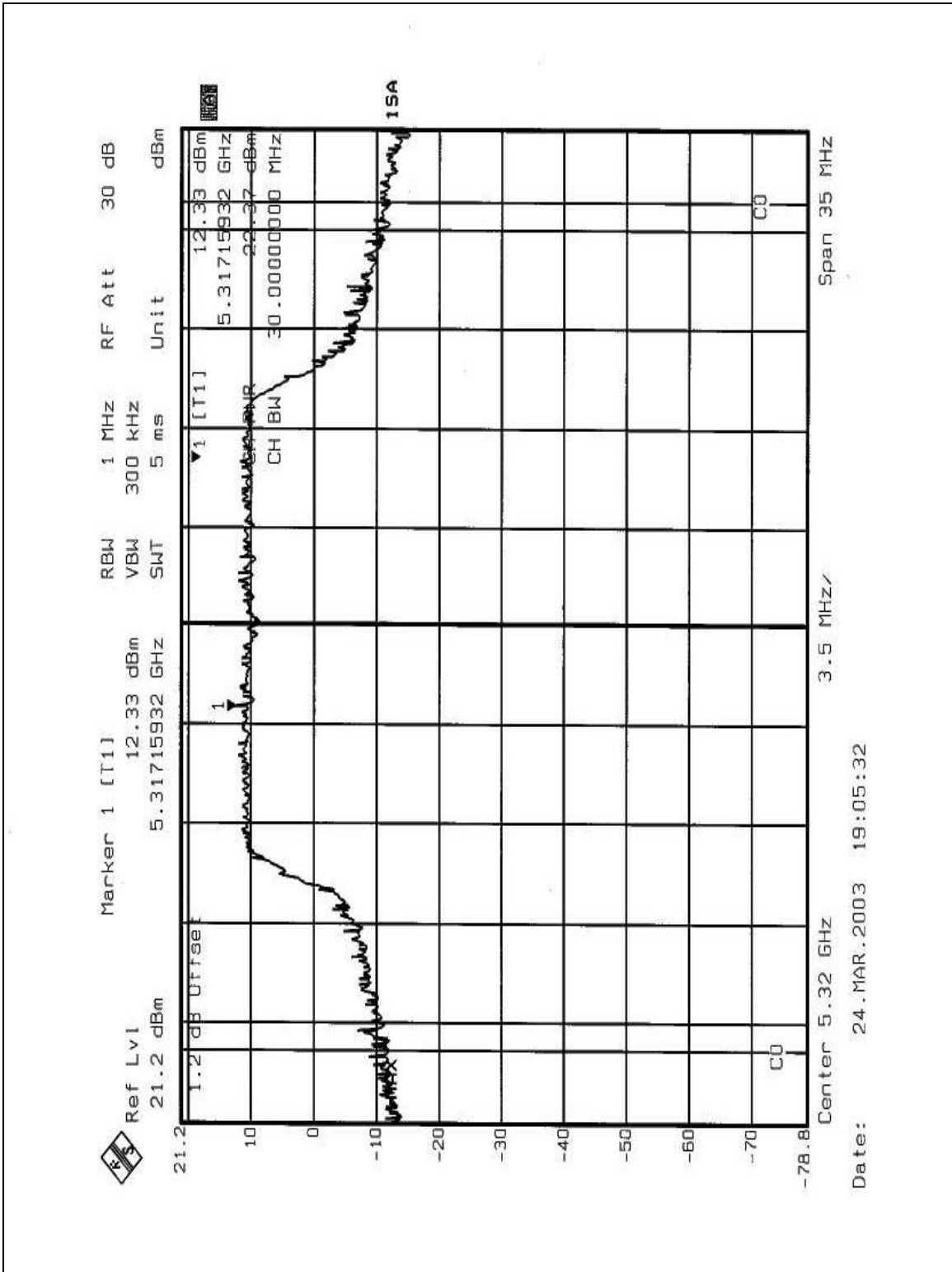
CHANNEL 4



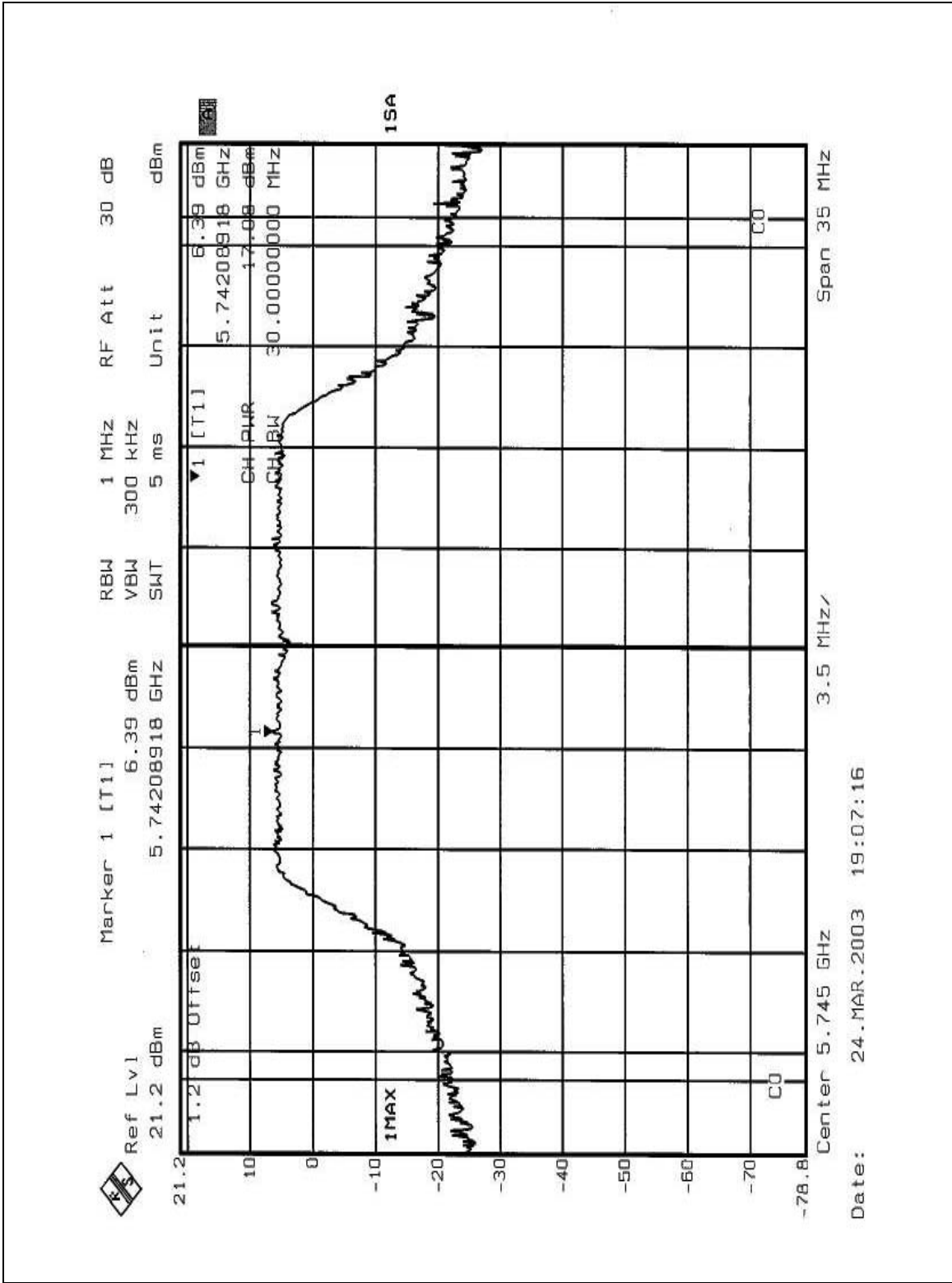
CHANNEL 5



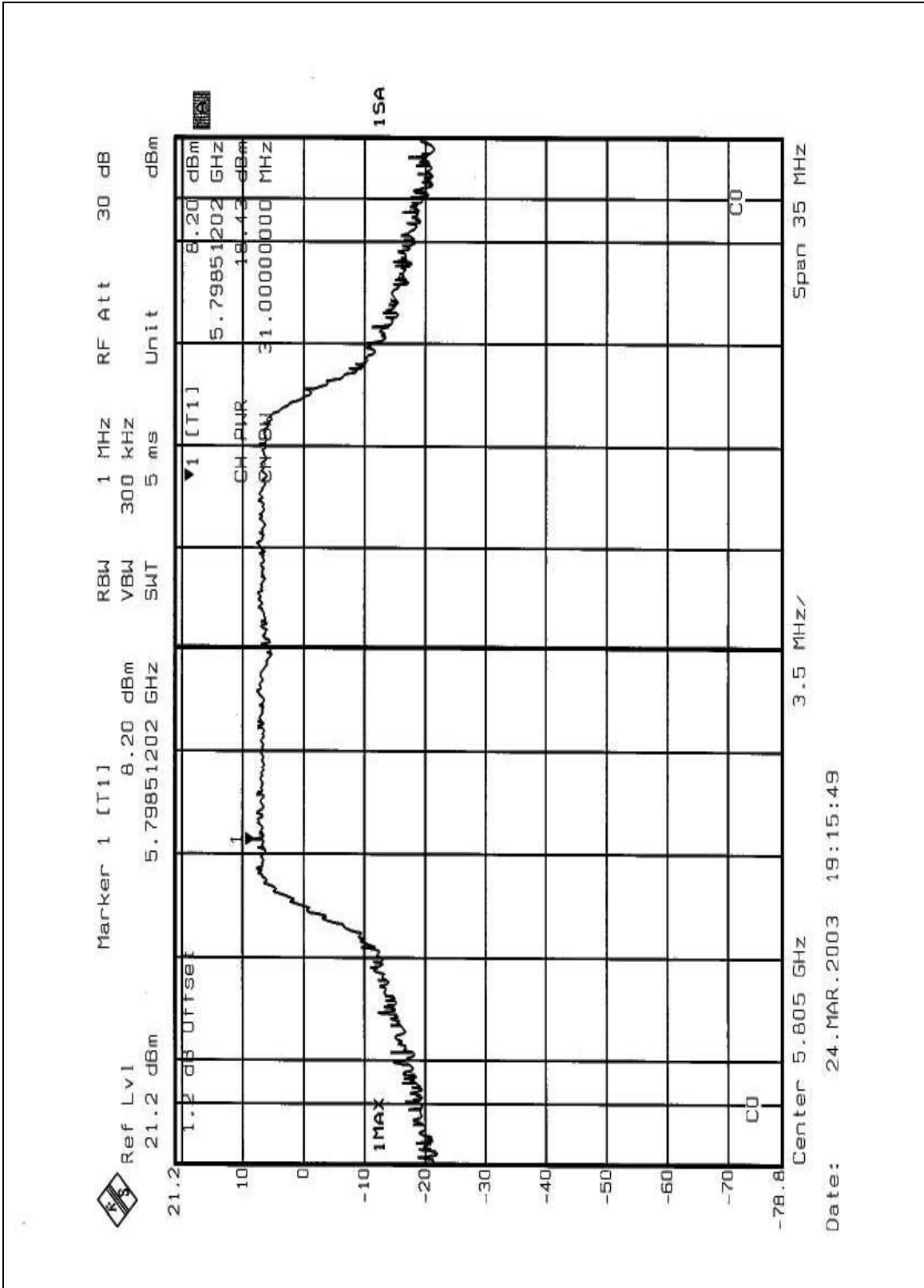
CHANNEL8



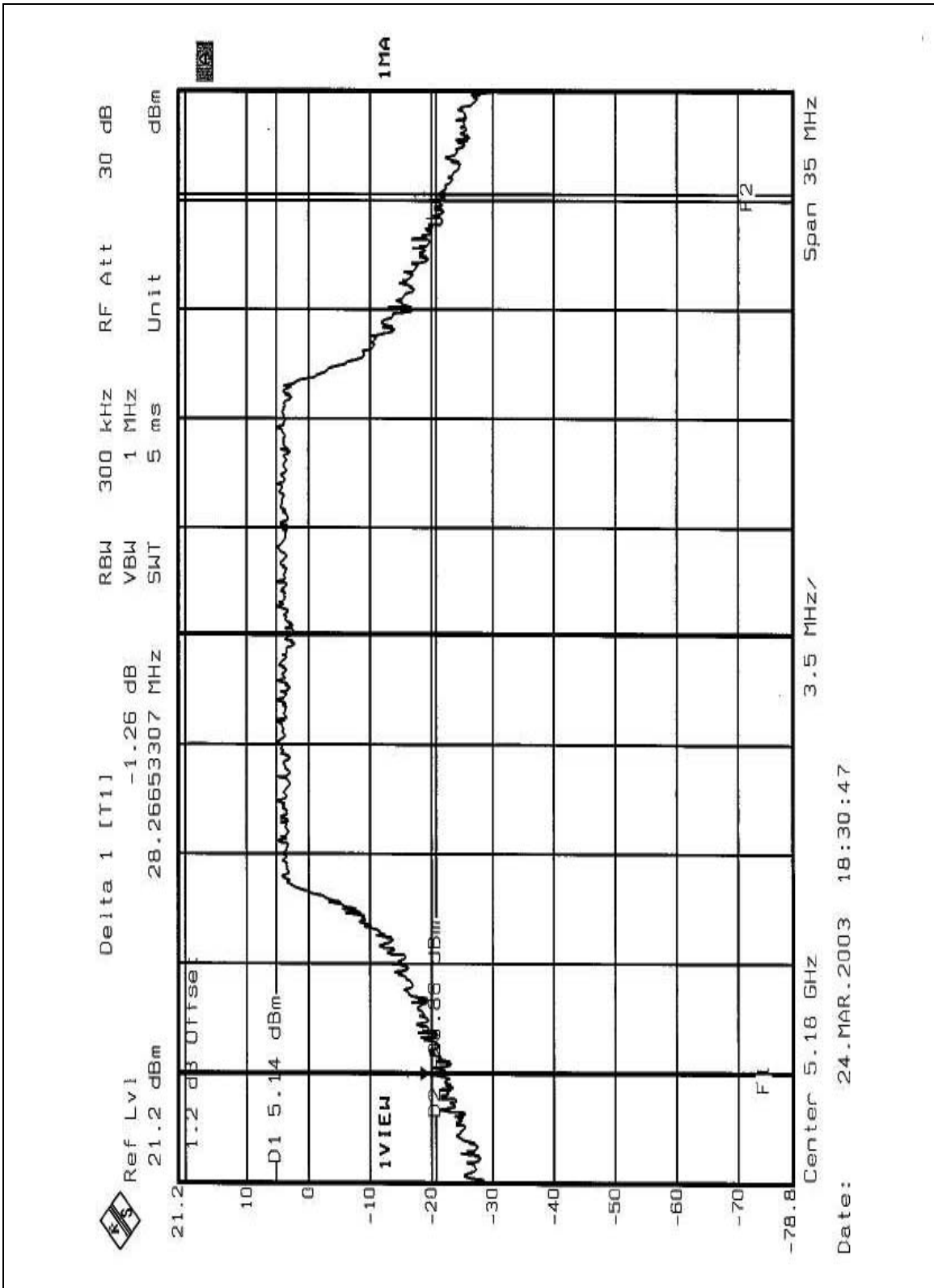
CHANNEL9



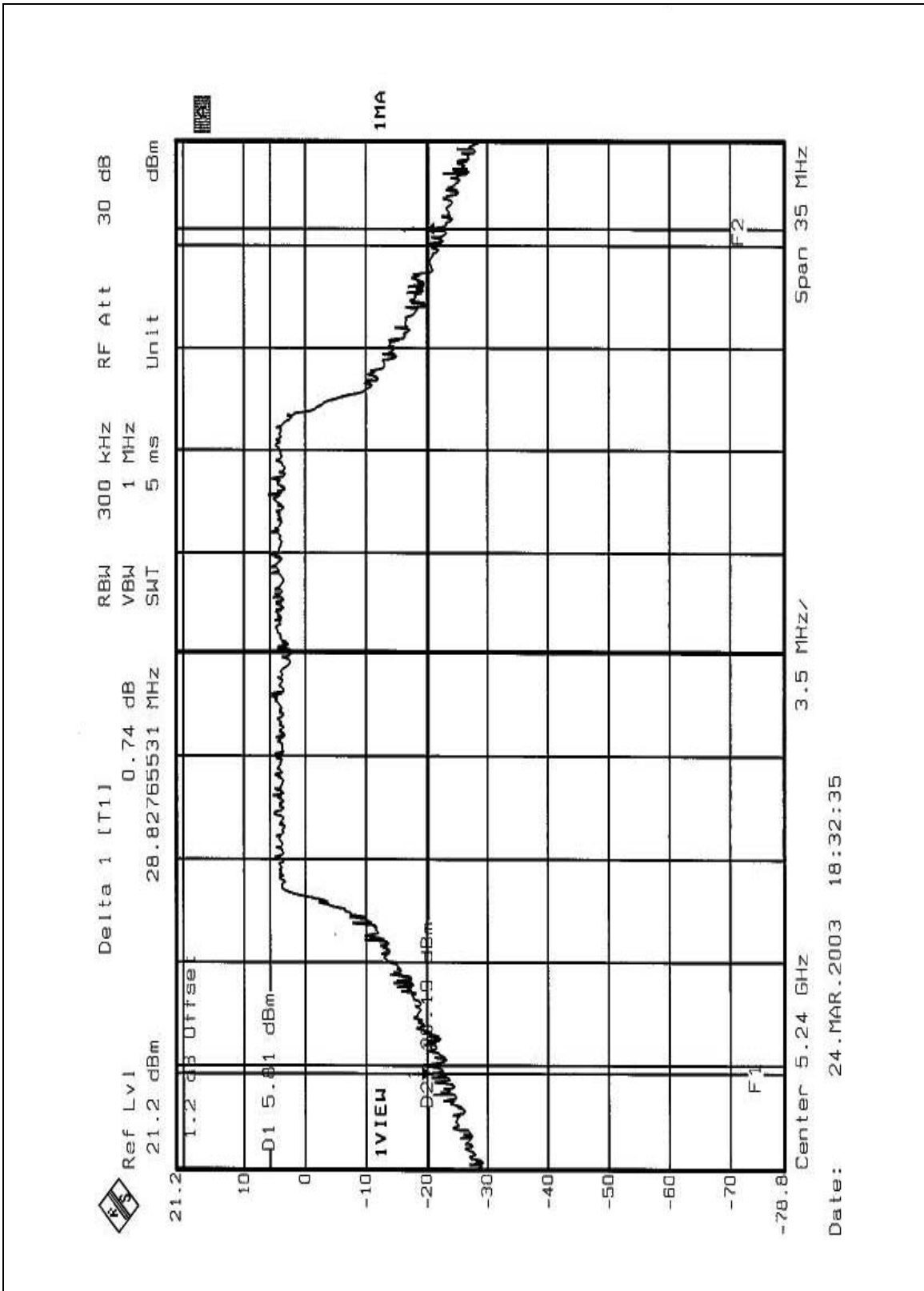
CHANNEL12



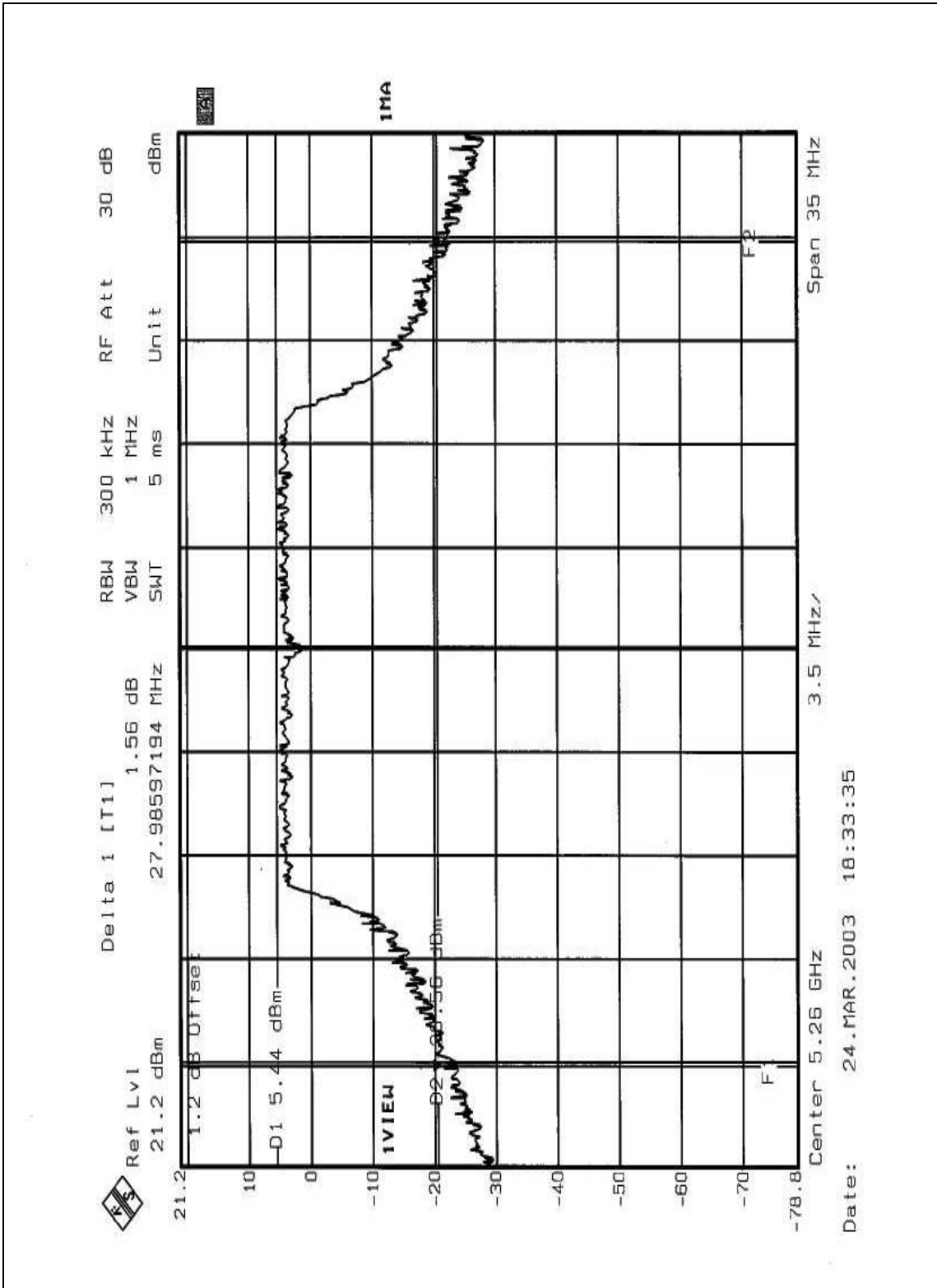
CHANNEL 1



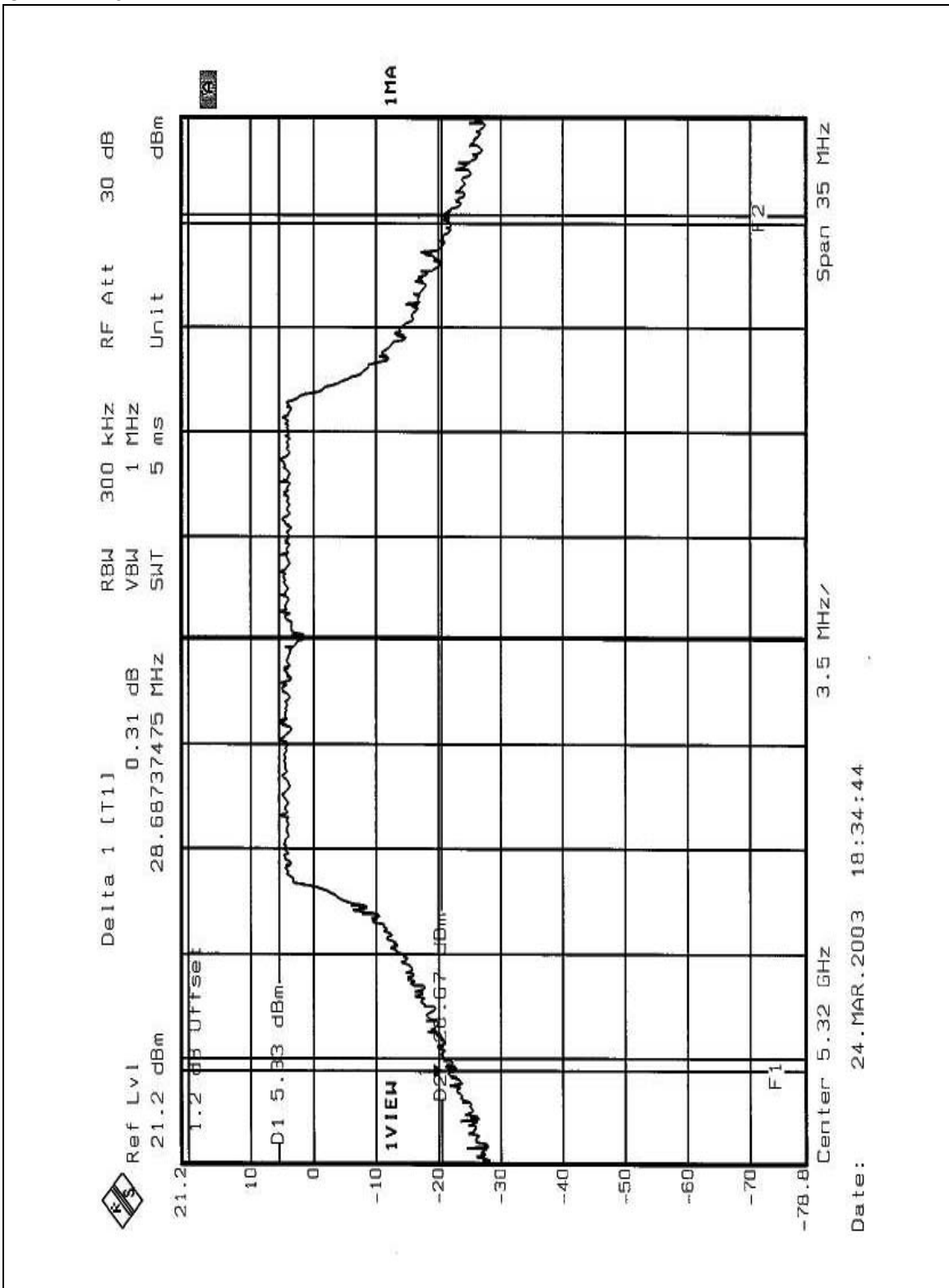
CHANNEL 4



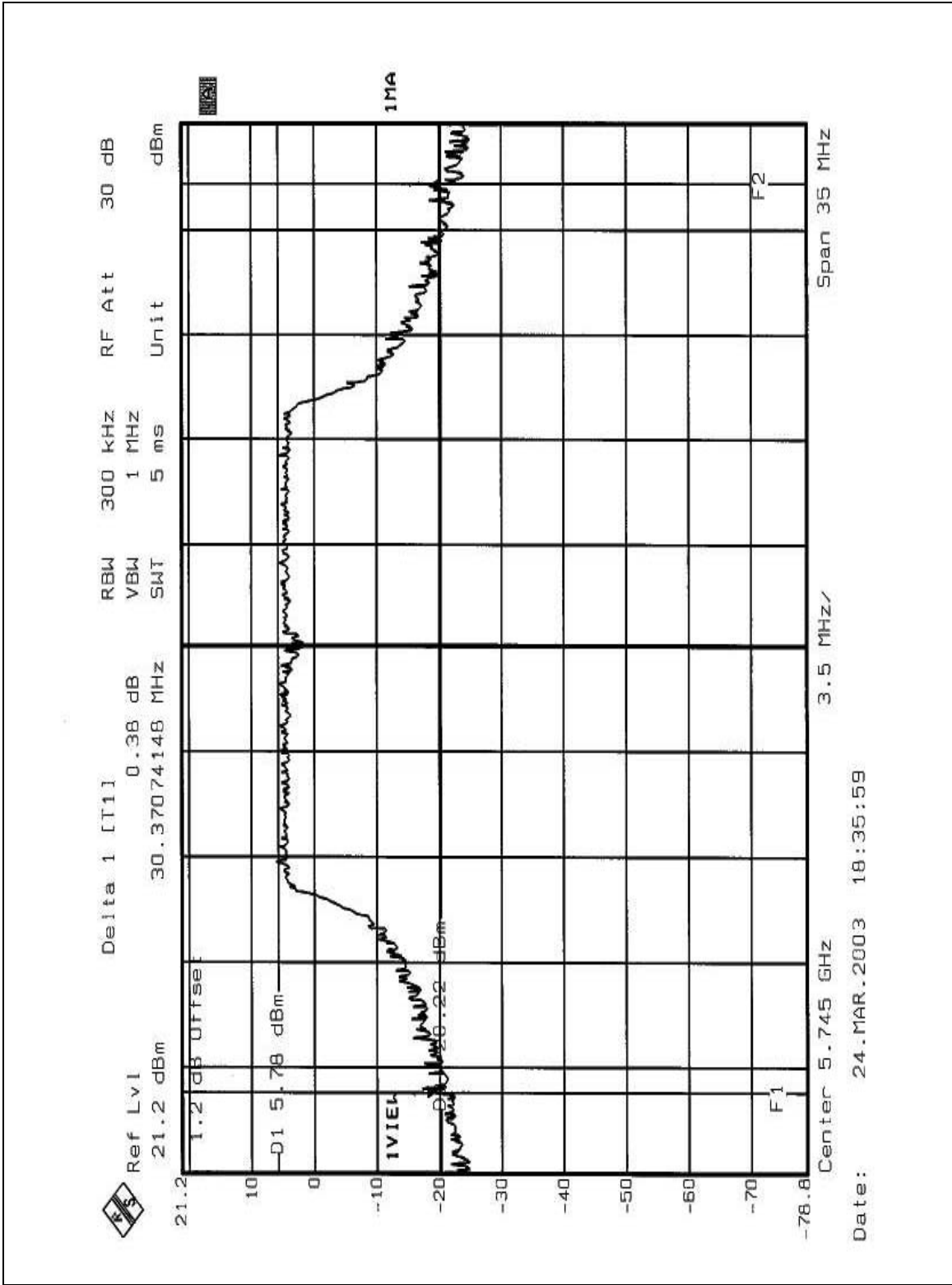
CHANNEL 5

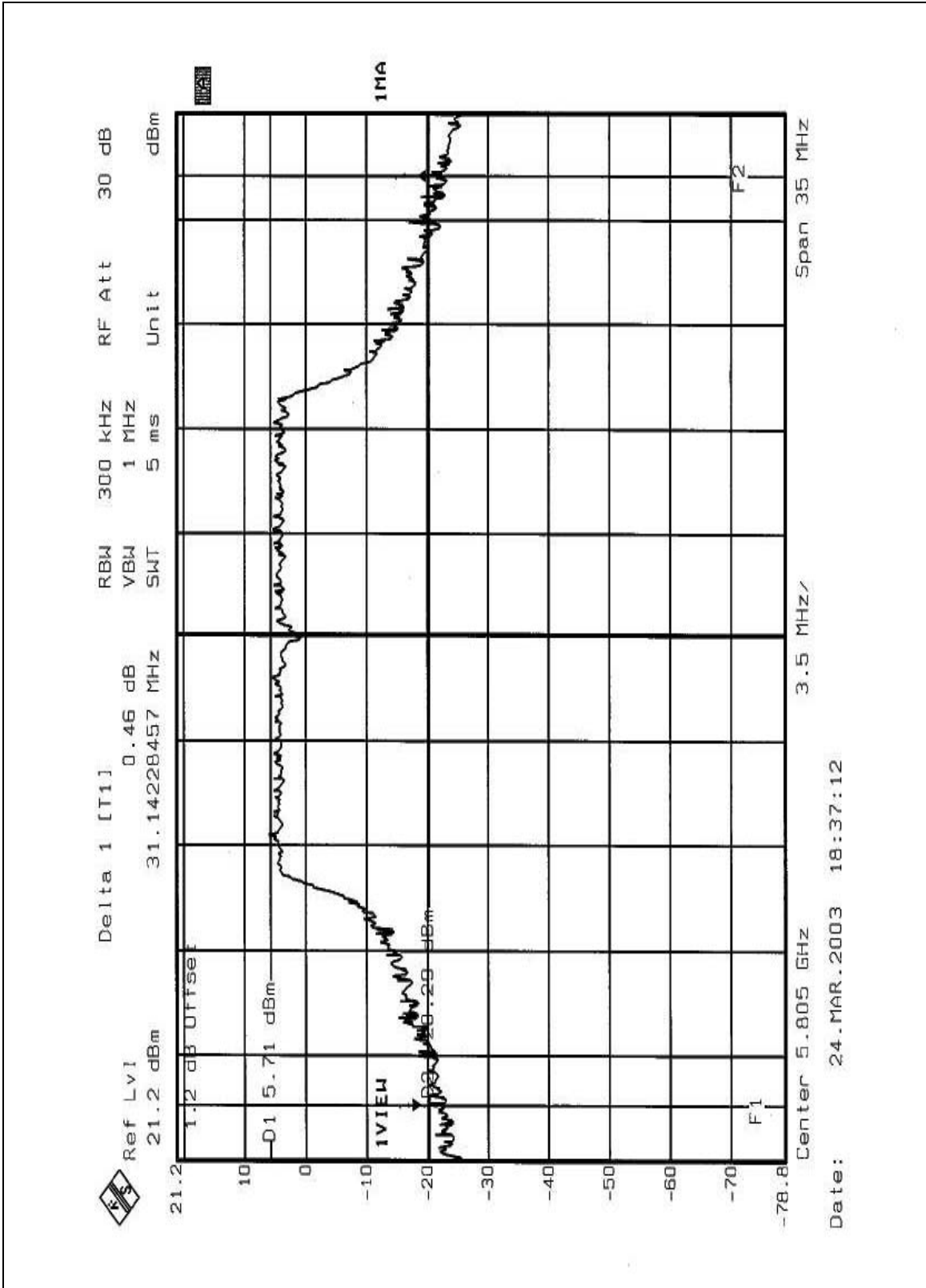


CHANNEL 8



CHANNEL9



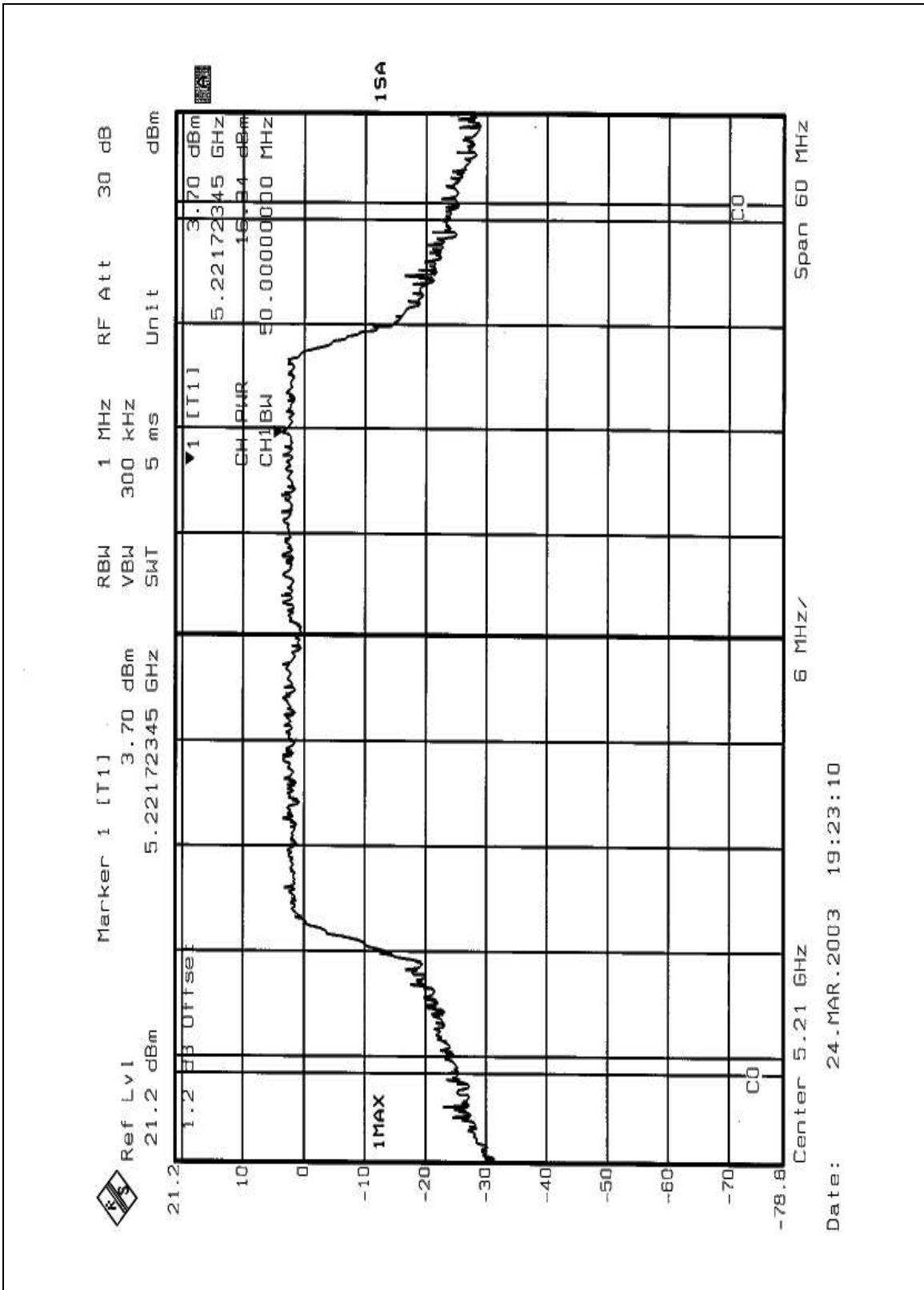


EUT	2.4GHz/5GHz Mini - PCI Card	MODEL	WLL220
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	19 deg. C, 69RH, 991 hPa	TESTED BY	Ansen Lei

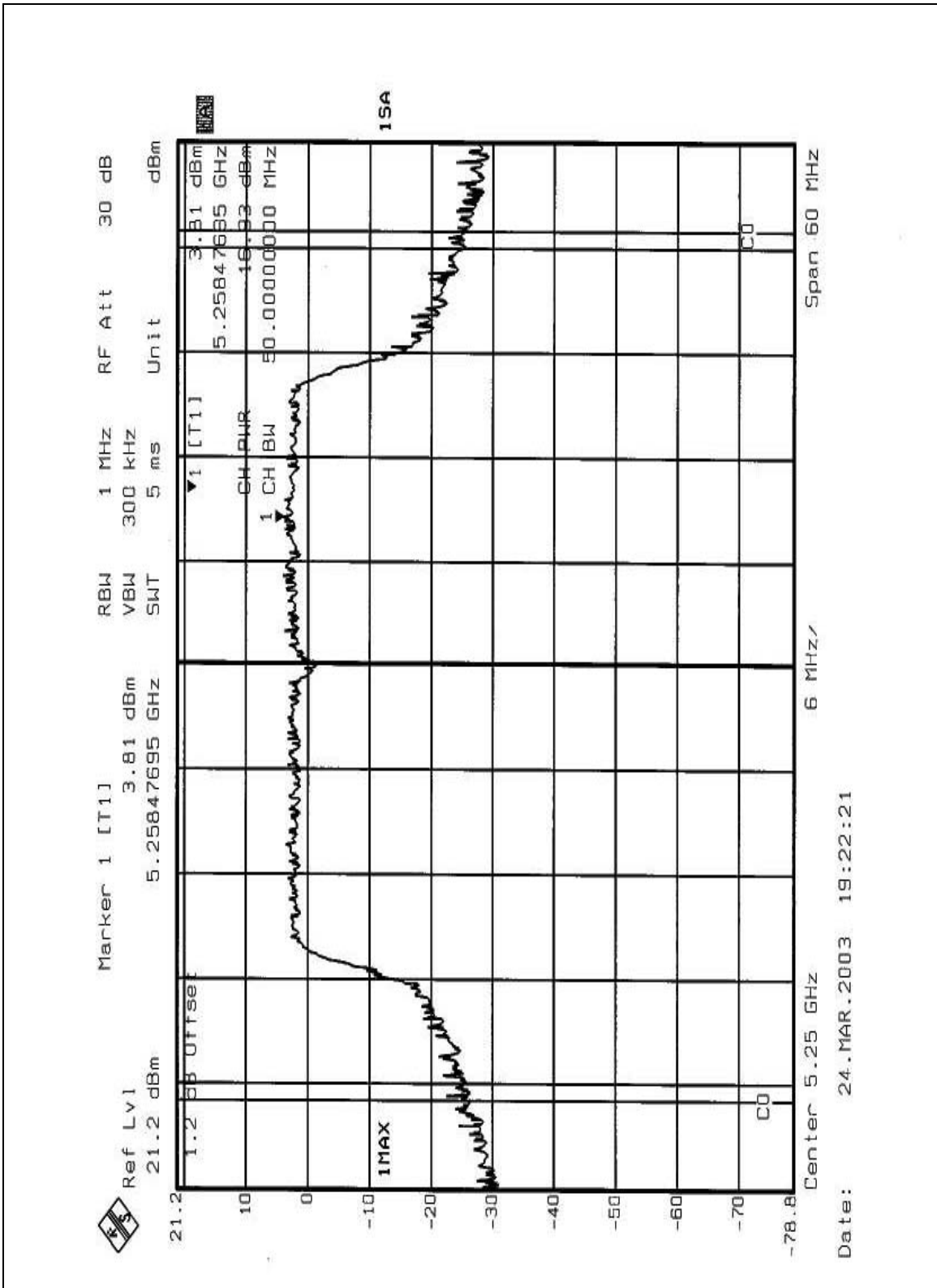
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5210	16.94	17.00	48.34	PASS
2	5250	16.93	17.00	46.77	PASS
3	5290	21.76	24.00	49.54	PASS
4	5760	19.14	30.00	54.83	PASS
5	5800	16.03	30.00	51.82	PASS

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

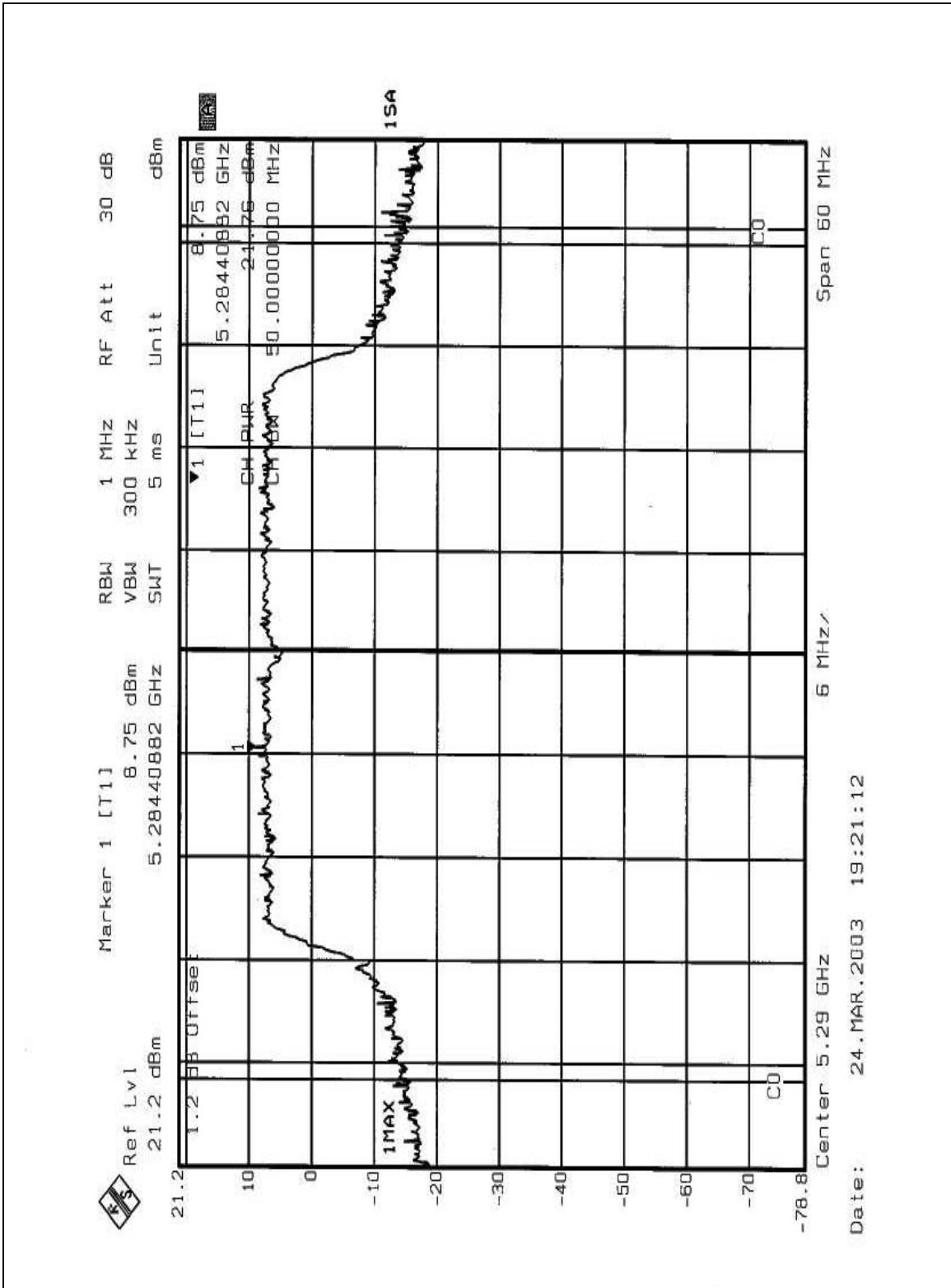
CHANNEL 1



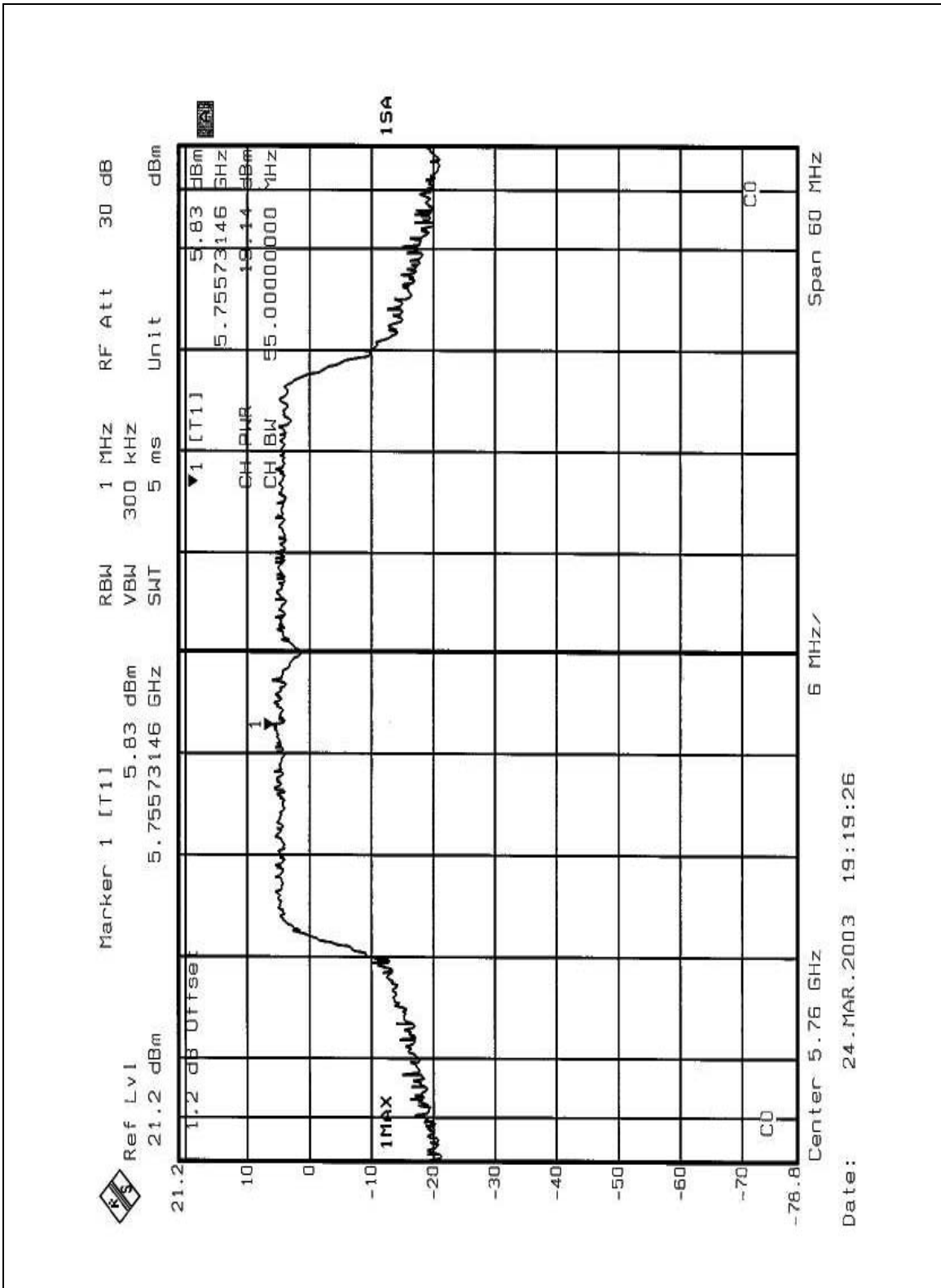
CHANNEL 2



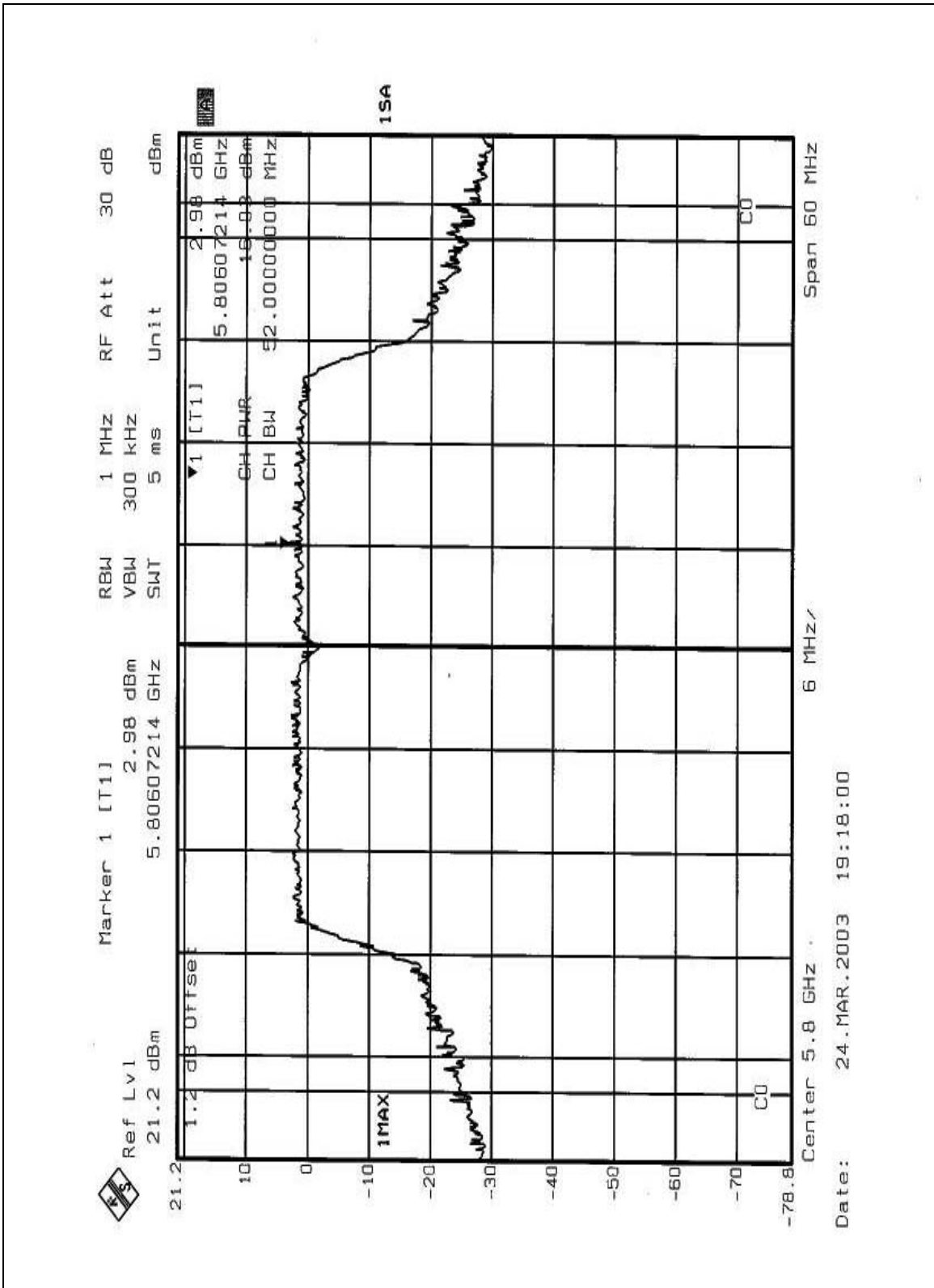
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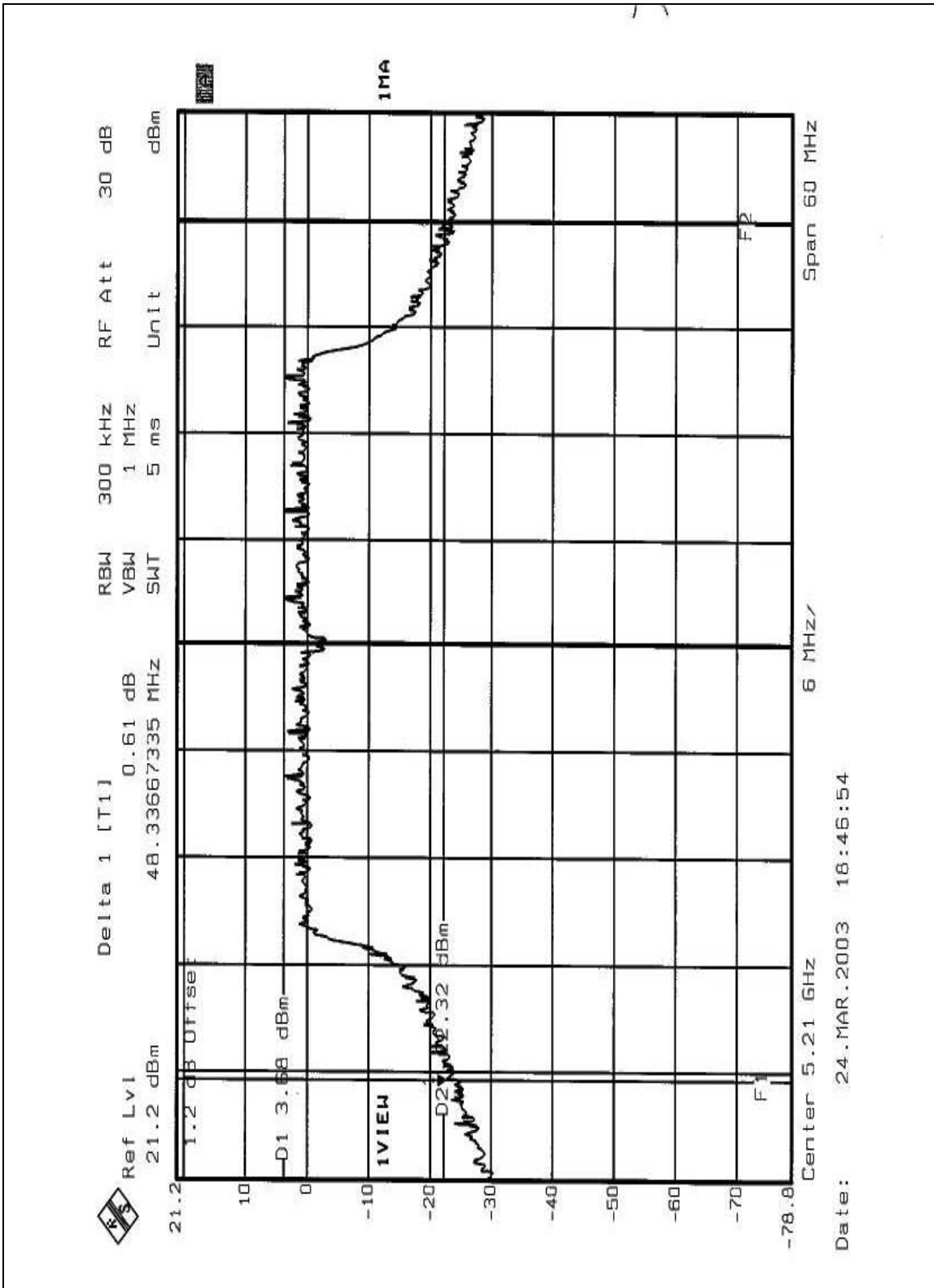
CHANNEL 4



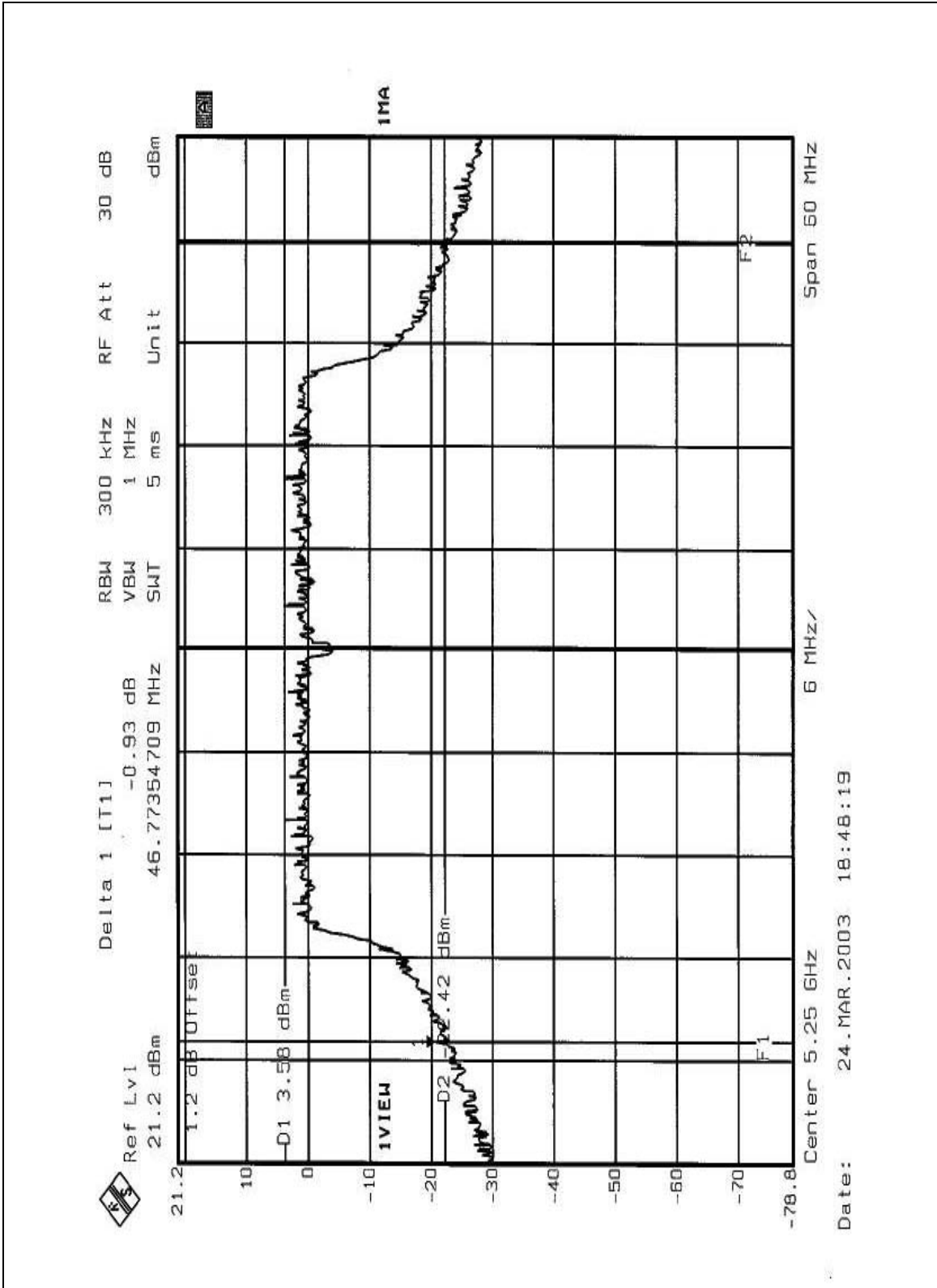
CHANNEL 5



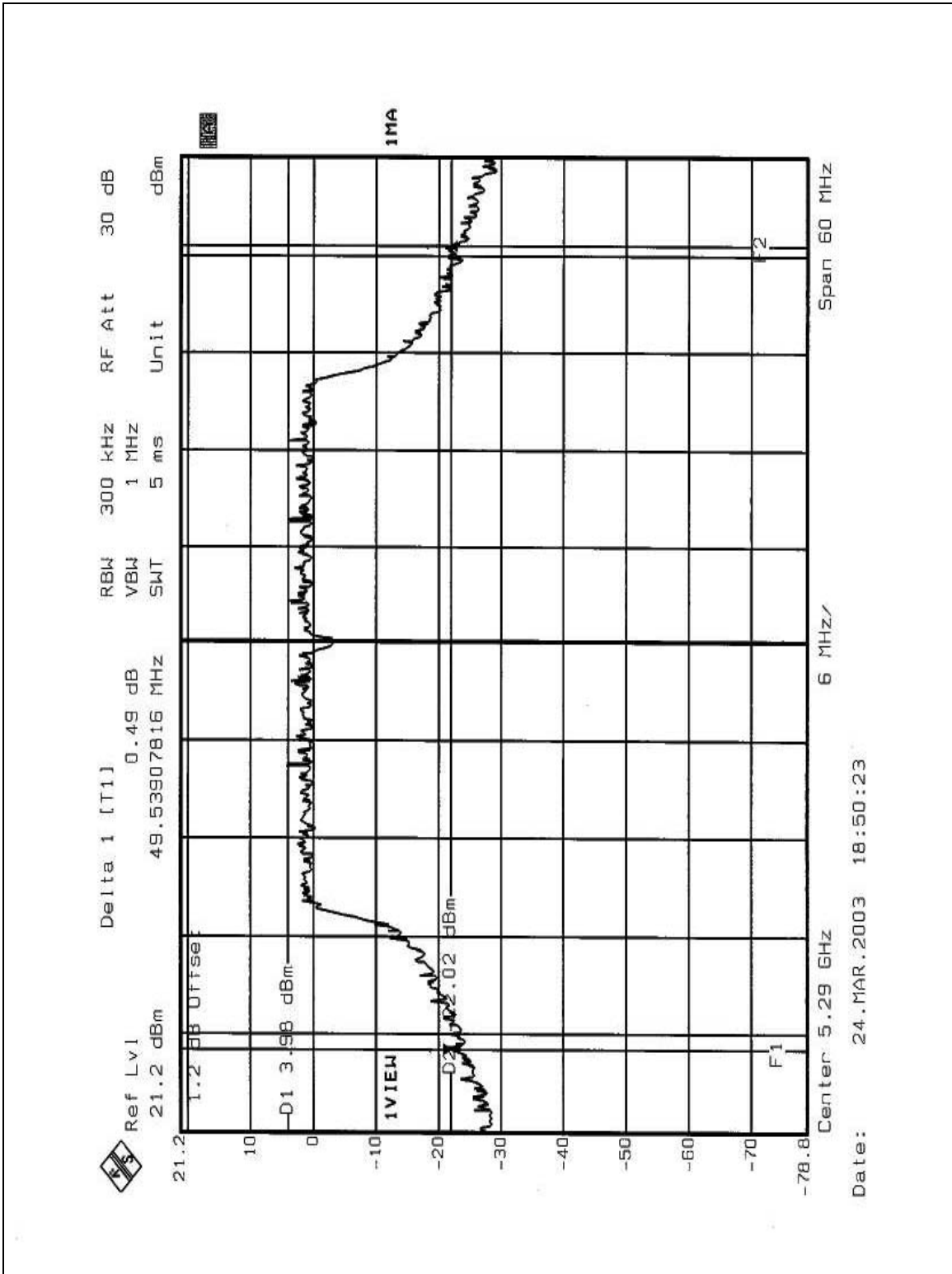
CHANNEL 1



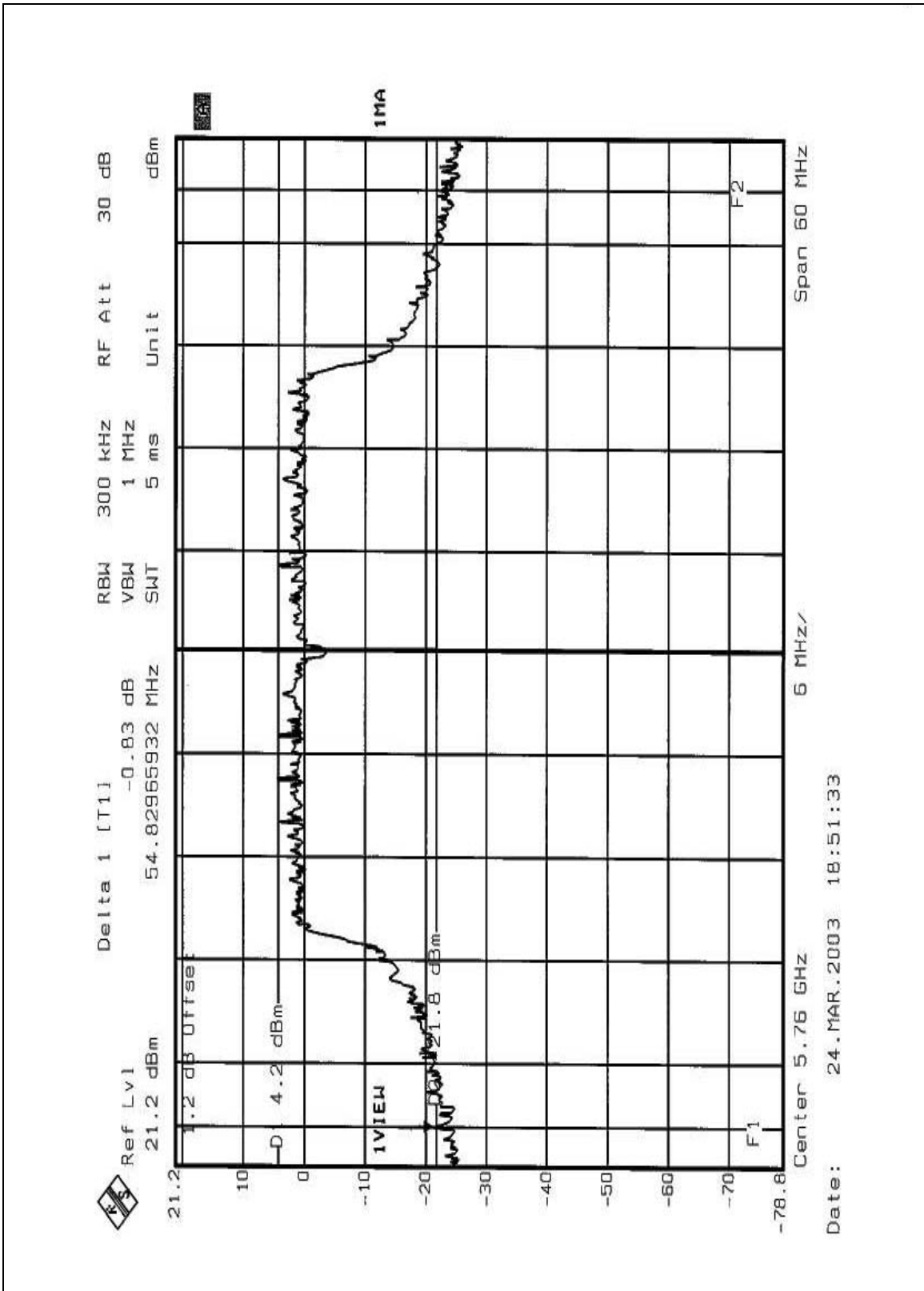
CHANNEL 2



CHANNEL 3



CHANNEL 4



CHANNEL 5

