

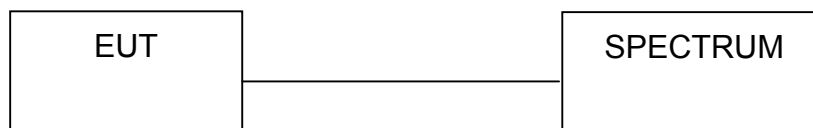
5.3.3 TEST PROCEDURE

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.

5.3.4 DEVIATION FROM TEST STANDARD

No deviation

5.3.5 TEST SETUP



5.3.6 EUT OPERATING CONDITIONS

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

5.3.7 TEST RESULTS

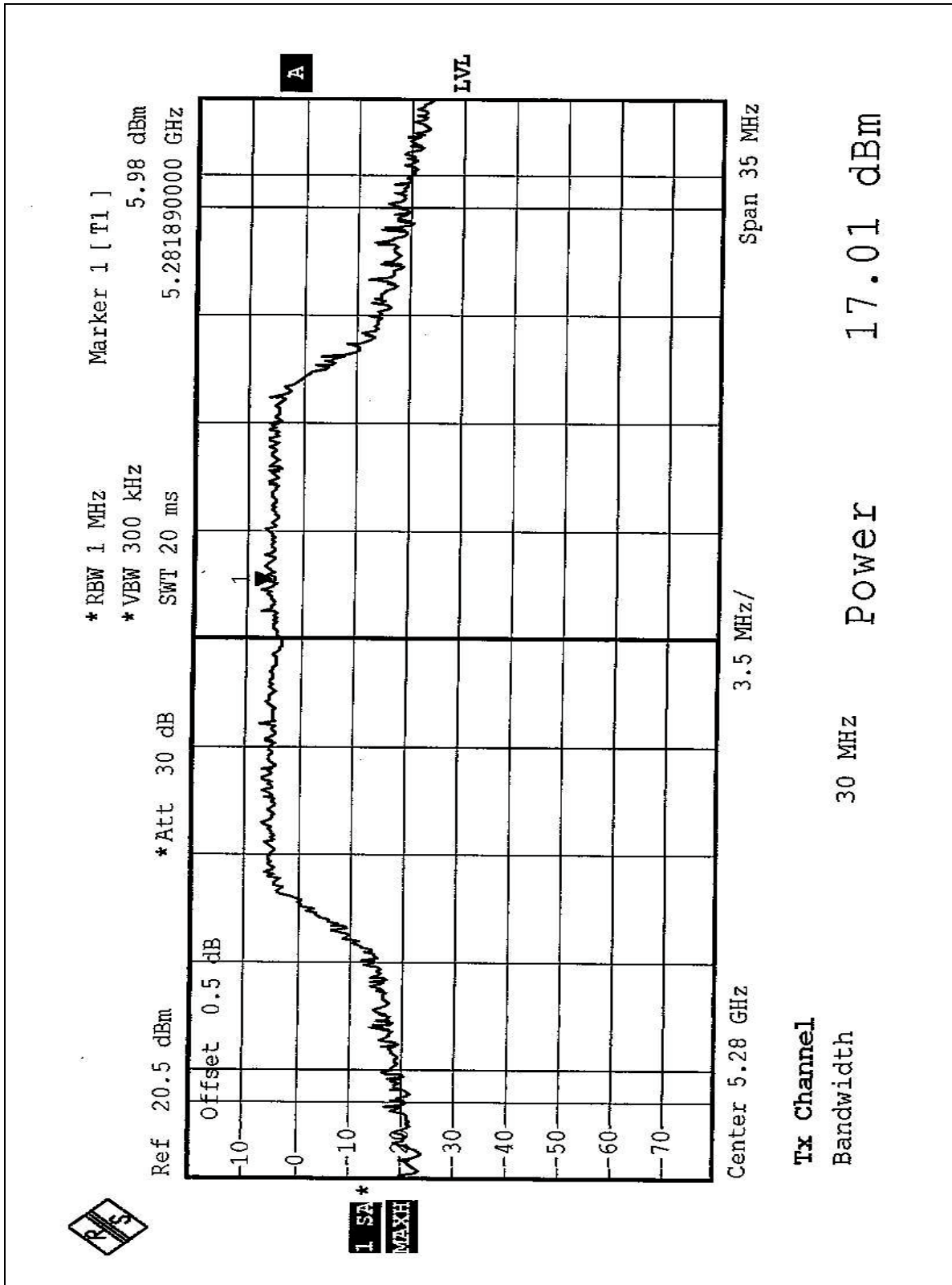
EUT	D-Link Air Premier AG 11a/11g Dualband Wireless 108Mbps PCI Adapter	MODEL	DWL-AG520
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	28deg. C, 56%RH, 991hPa	TESTED BY	Hang Chung

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5280	17.01	24.00	30.08	PASS
3	5320	17.62	24.00	30.78	PASS
4	5745	18.09	30.00	28.35	PASS
7	5805	18.08	30.00	31.23	PASS

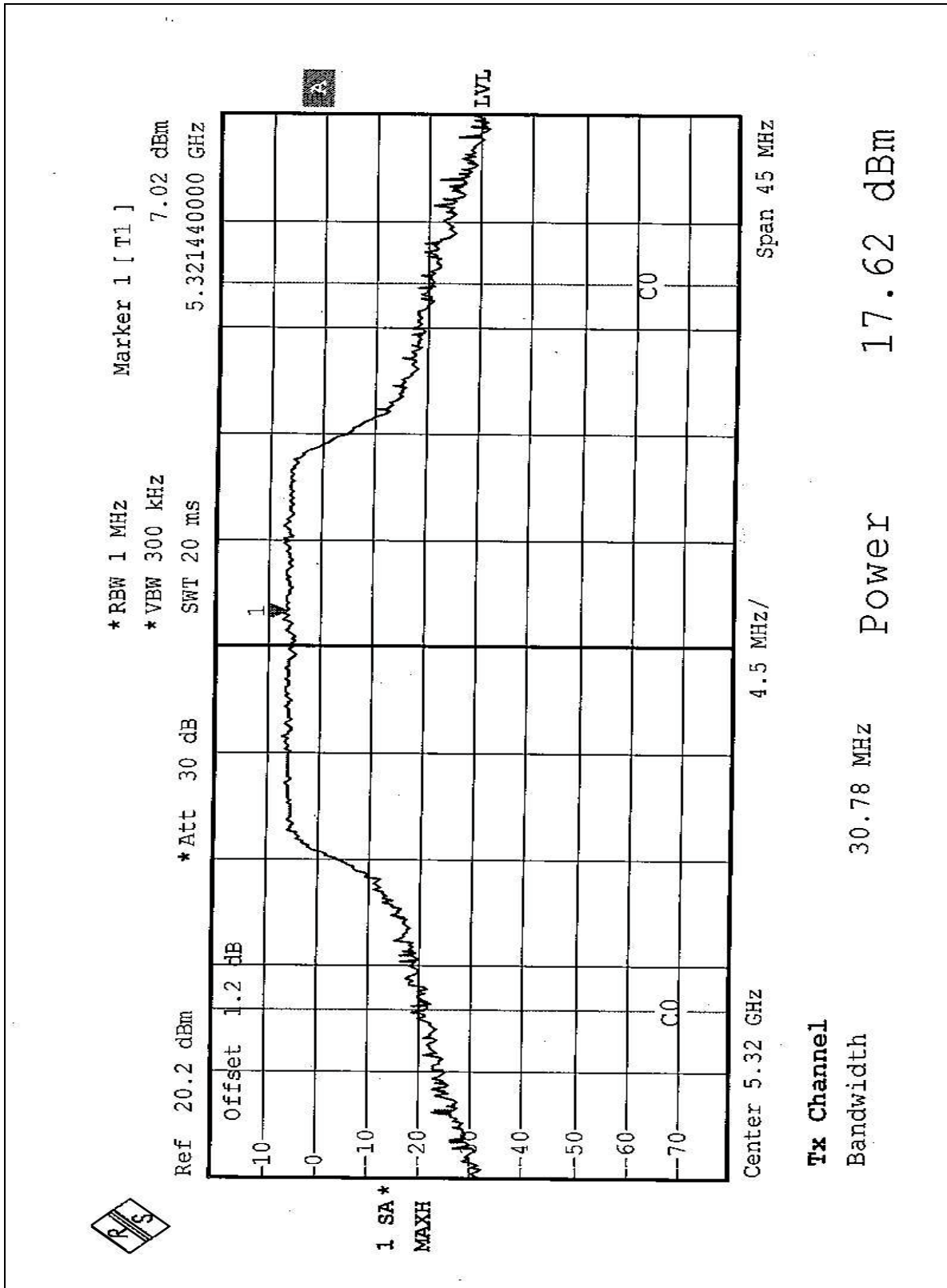
NOTE: The 26dBc Occupied Bandwidth plot, please refer to the following pages.



CHANNEL 1

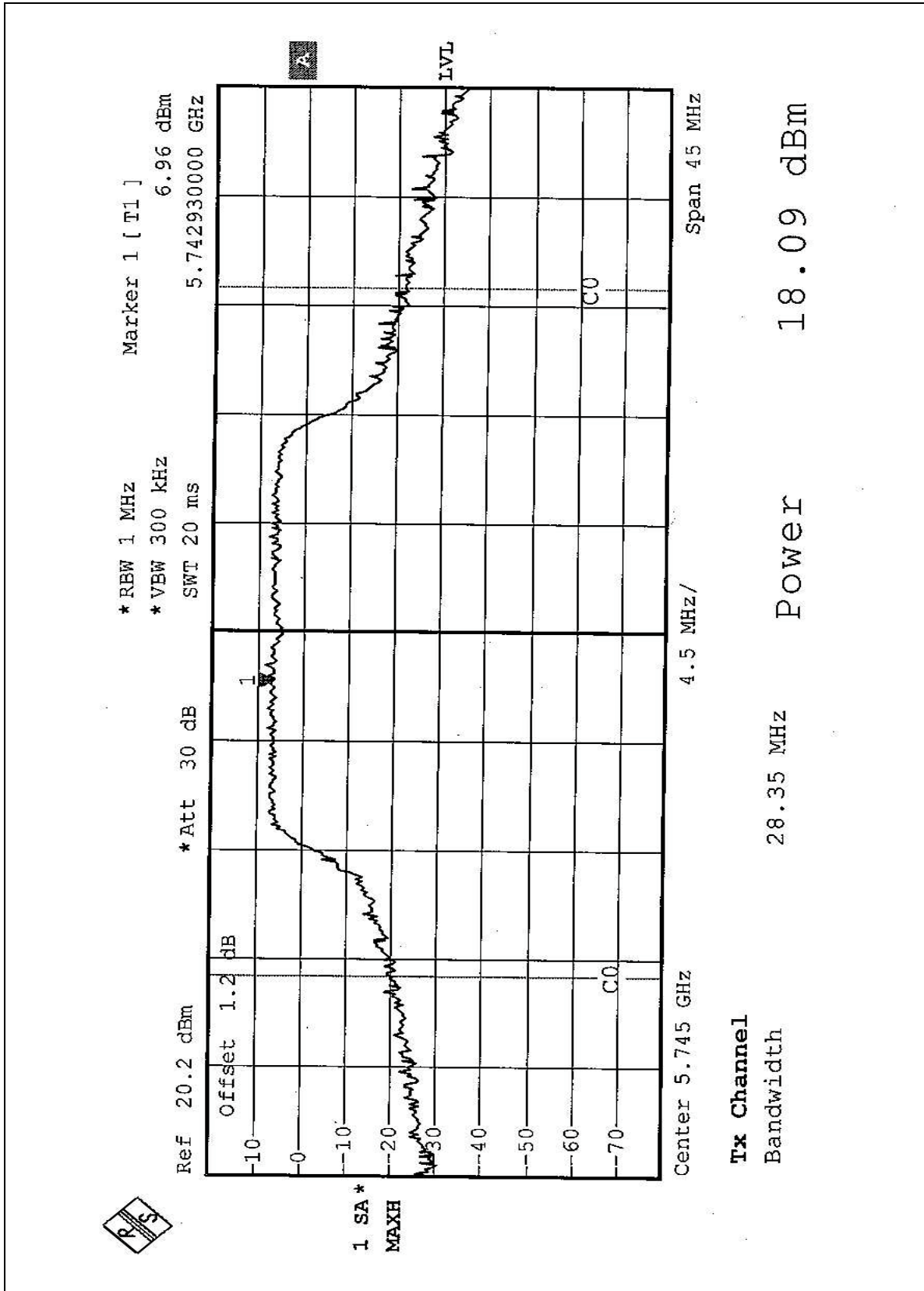


CHANNEL 3





CHANNEL 4

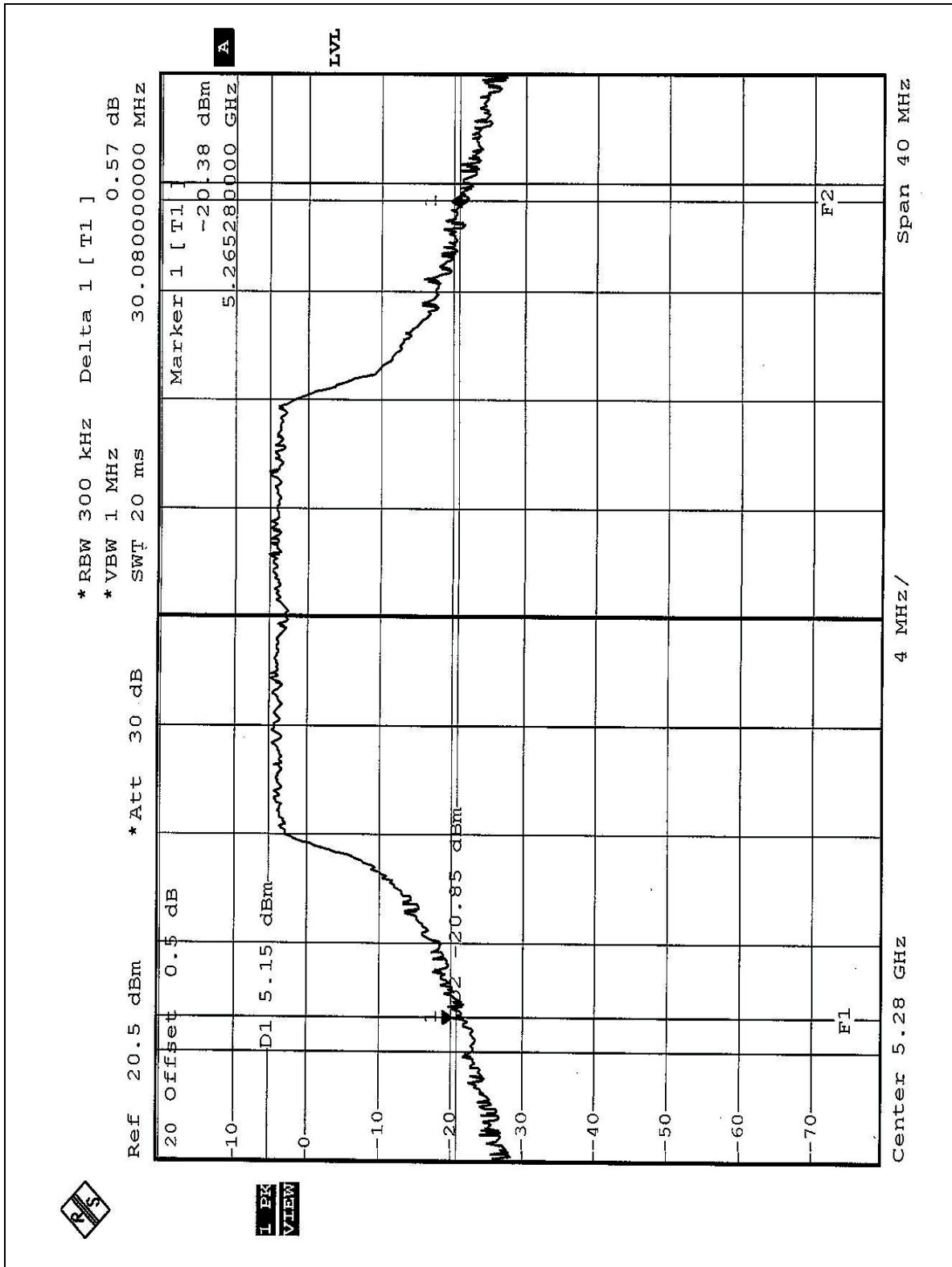


The figure is a spectrum analyzer display showing a signal at 5.805 GHz. The vertical axis represents power in dBm, ranging from -70 to -10. The horizontal axis represents frequency in MHz, with a center frequency of 5.805 GHz and a span of 45 MHz. The signal trace shows a peak at 5.805 GHz with a power of 18.08 dBm. The plot includes a grid and various measurement parameters.

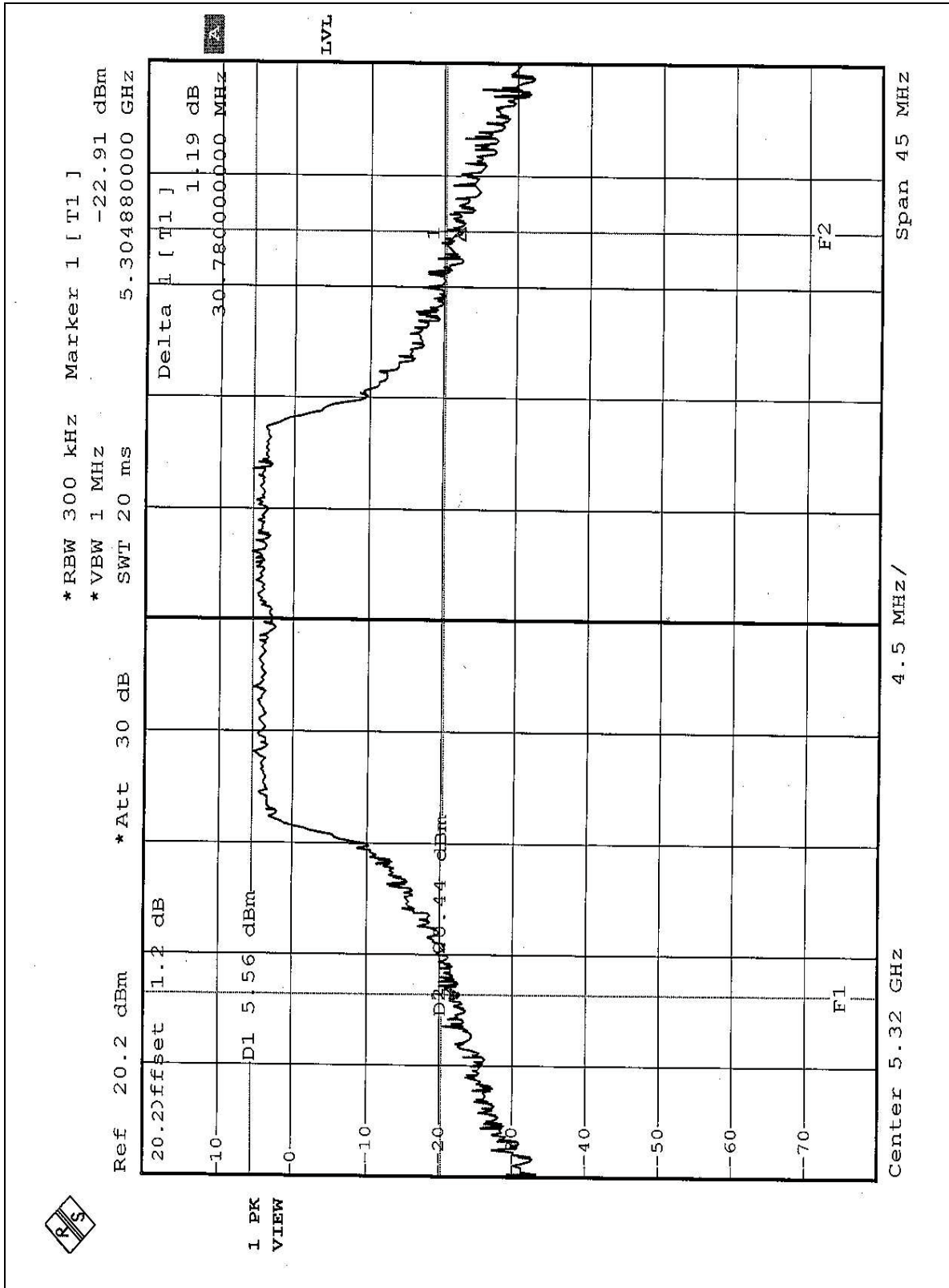
Parameters displayed on the plot:

- Ref 20.2 dBm
- *Att 30 dB
- *RBW 1 MHz
- *VBW 300 kHz
- SWT 20 ms
- Marker 1 [T1]
- 7.46 dBm
- 5.802030000 GHz
- Center 5.805 GHz
- Span 45 MHz
- 4.5 MHz/
- 1 SA *
- MAXH
- Offset 1.2 dB
- 1
- LVL
- C0
- C0
- C0

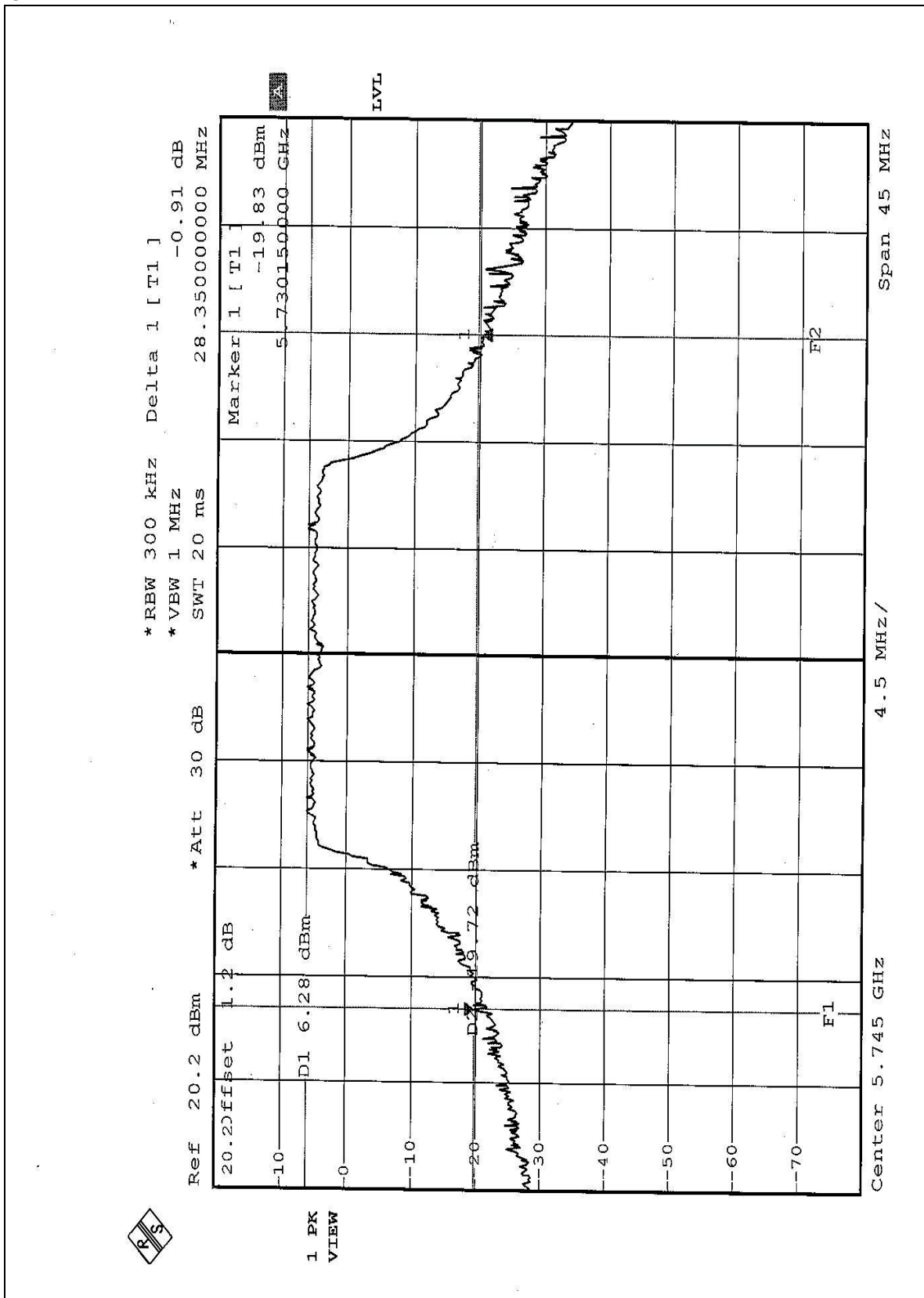
CHANNEL 1



CHANNEL 3



CHANNEL 4



1 PK VIEW

Ref 20.2 dBm

*Att 30 dB

*RBW 300 kHz

Delta 1 [T1]

1.48 dB

SWT 20 ms

31.230000000 MHz

Center 5.805 GHz

Span 45 MHz

4.5 MHz

Marker 1 [T1]

-21.19 dBm

5.789880000 GHz

D1 6.36 dBm

D2 9.64 dBm

F1

F2

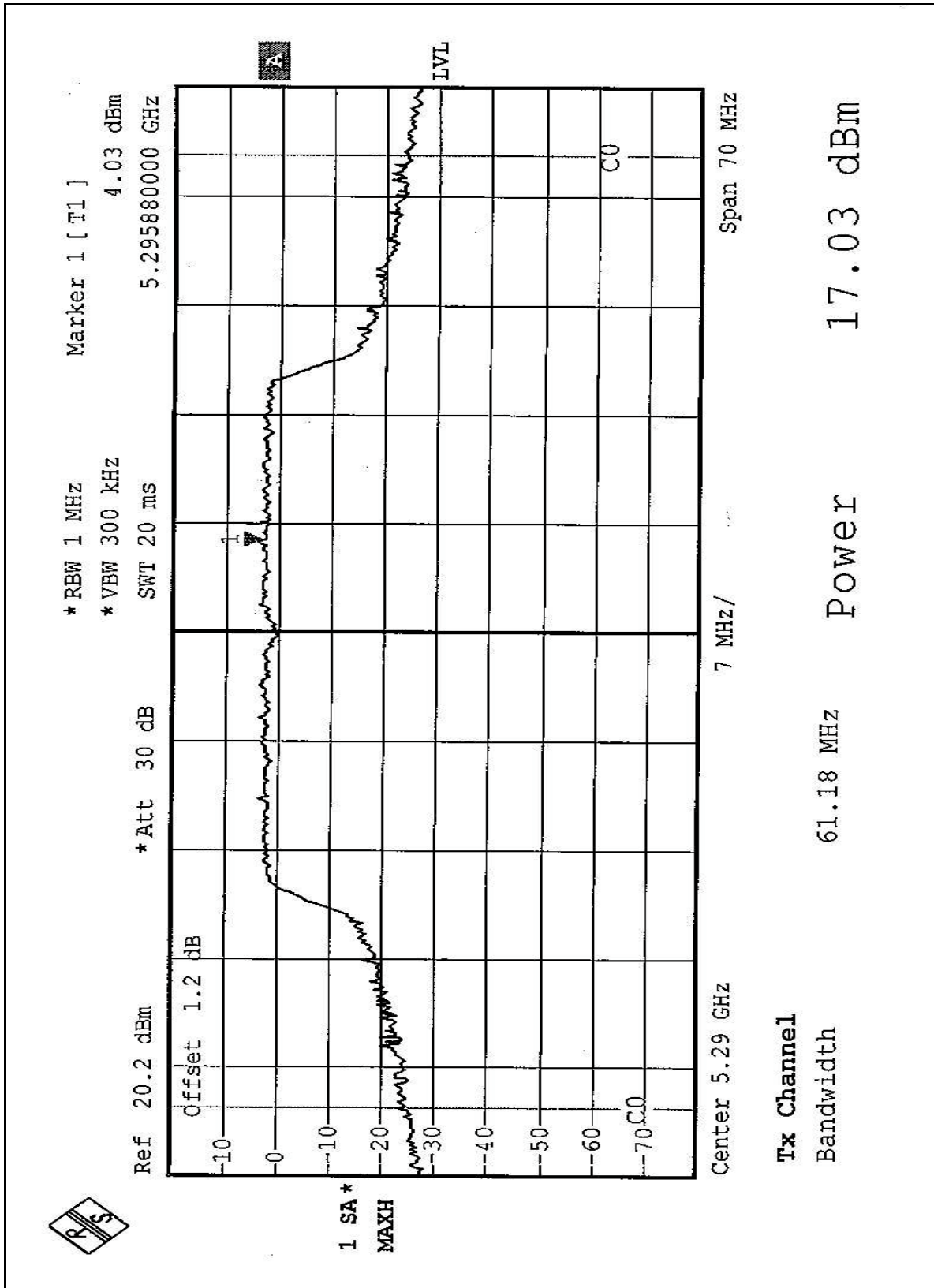


EUT	D-Link Air Premier AG 11a/11g Dualband Wireless 108Mbps PCI Adapter	MODEL	DWL-AG520
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	28deg. C, 64%RH, 991hPa	TESTED BY	Hank Chung

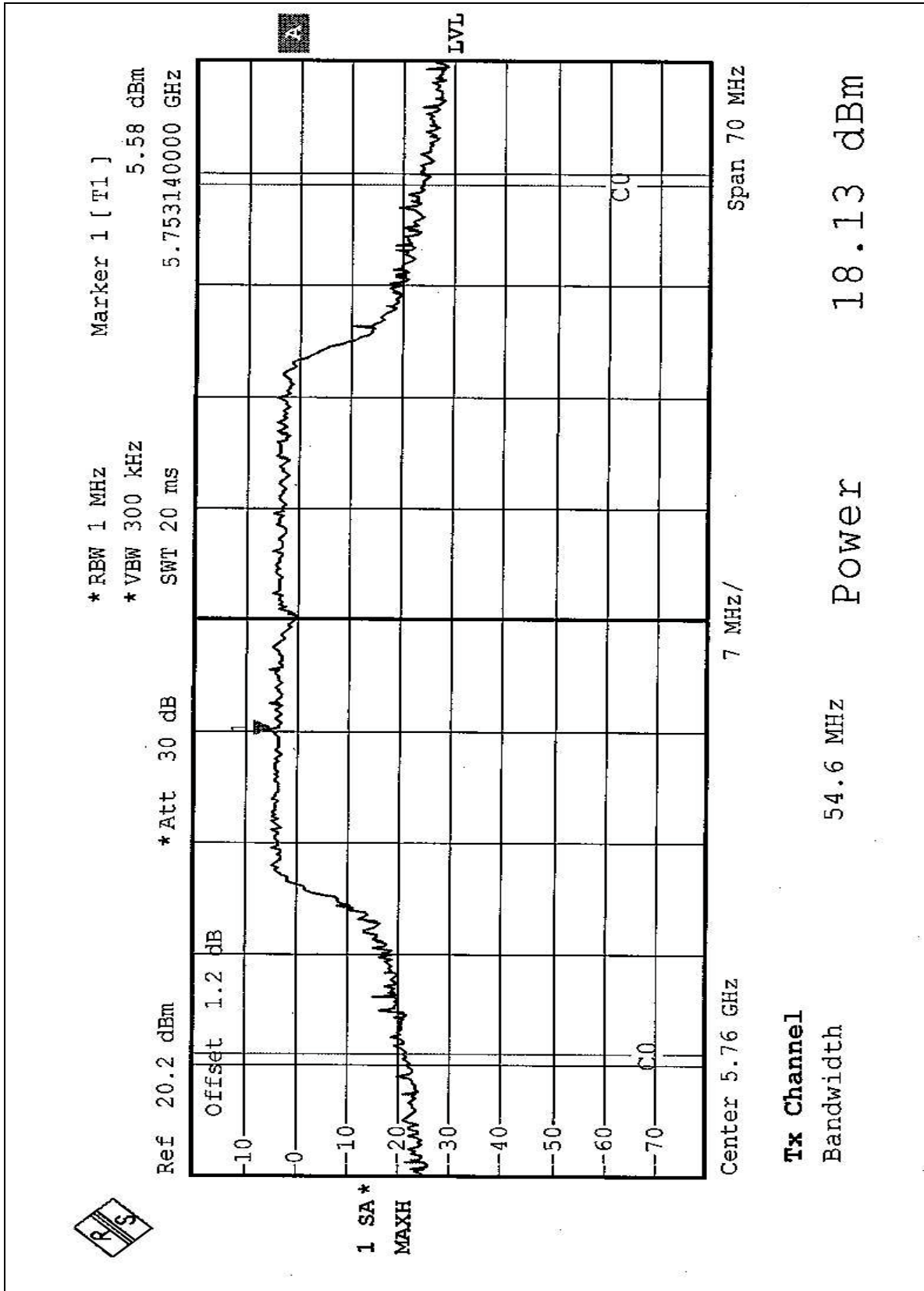
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5290	17.03	24.00	61.18	PASS
2	5760	18.13	30.00	54.60	PASS
3	5800	18.12	30.00	59.50	PASS

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

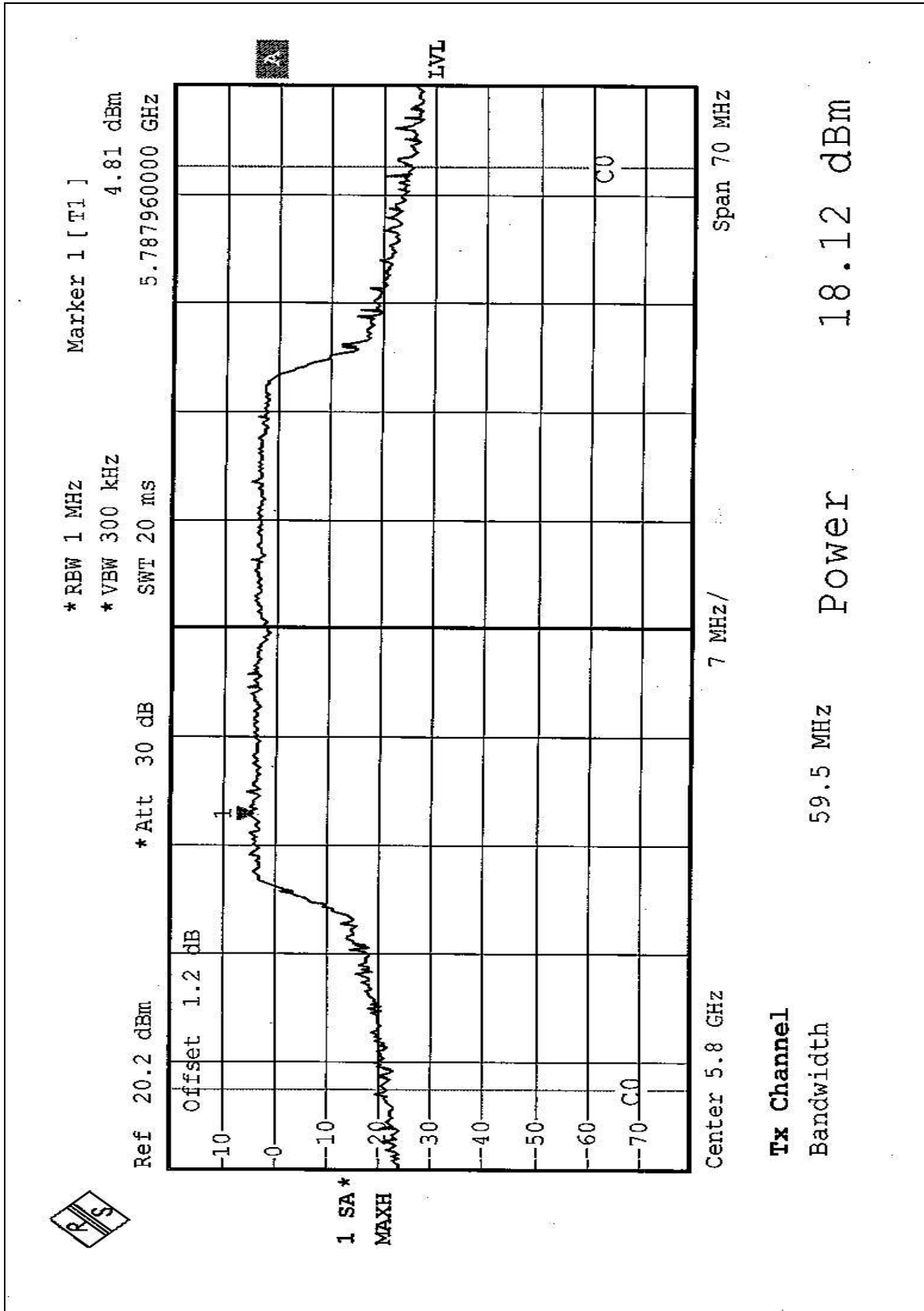
CHANNEL 1



CHANNEL 2

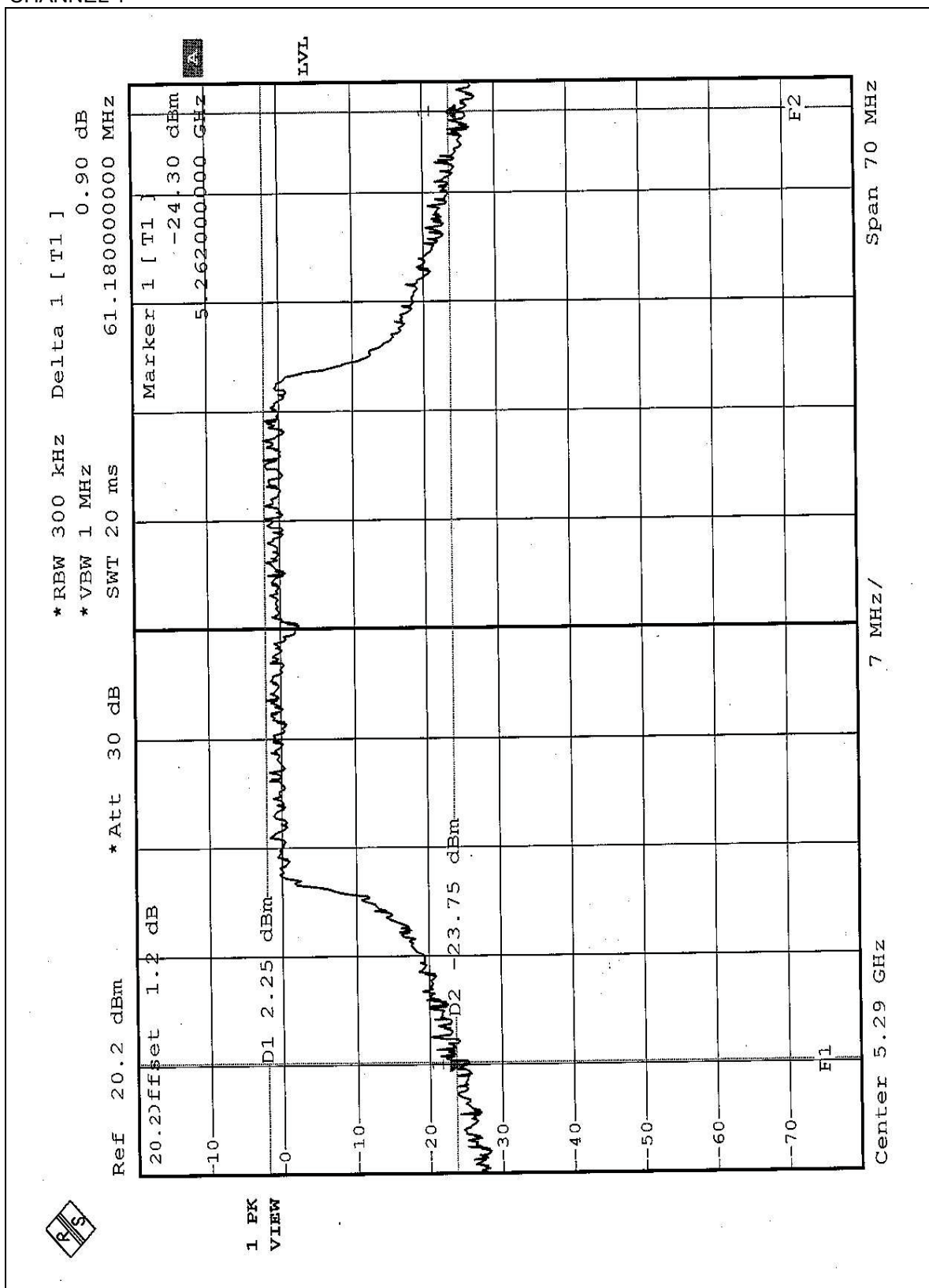


CHANNEL 3



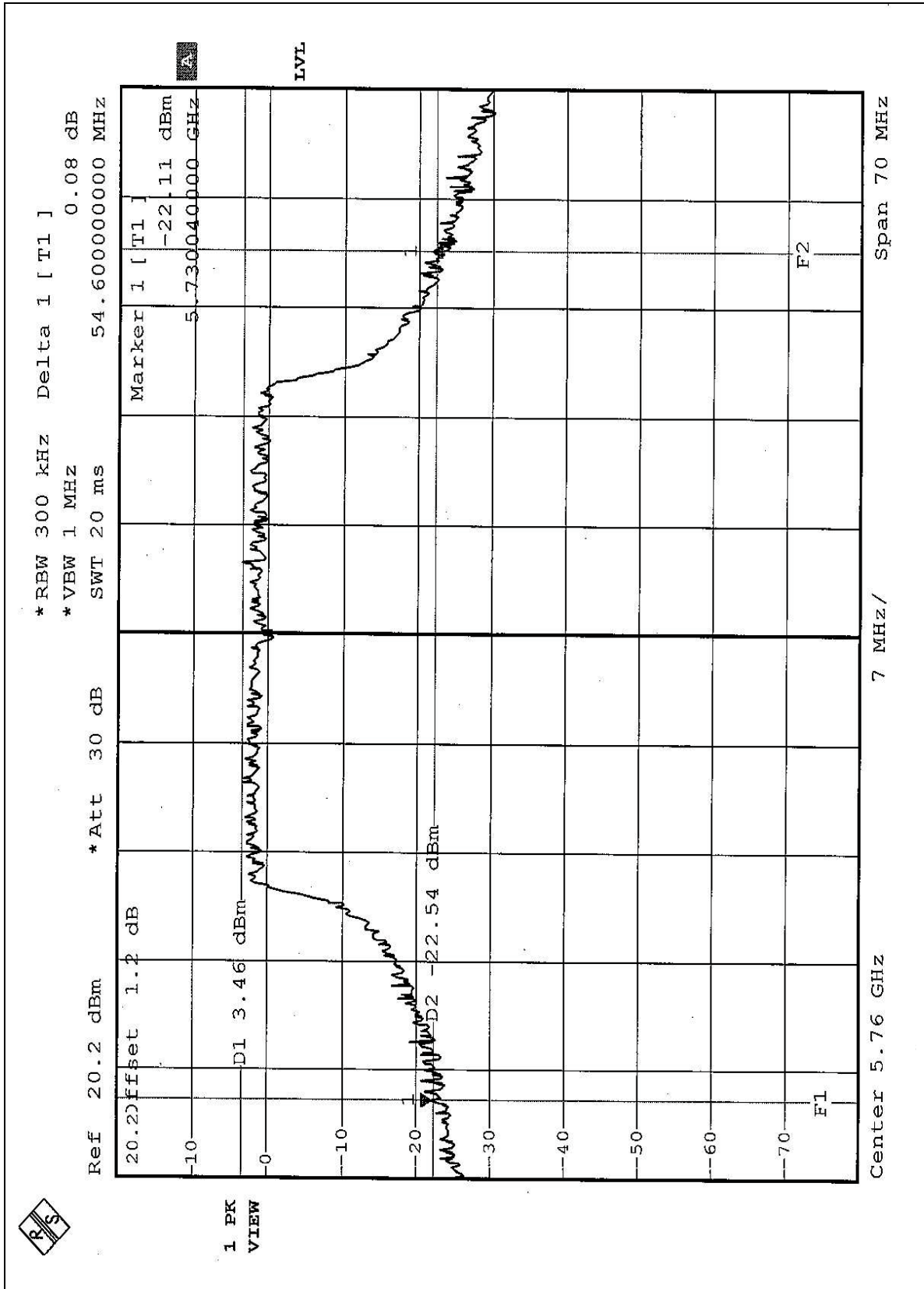


CHANNEL 1

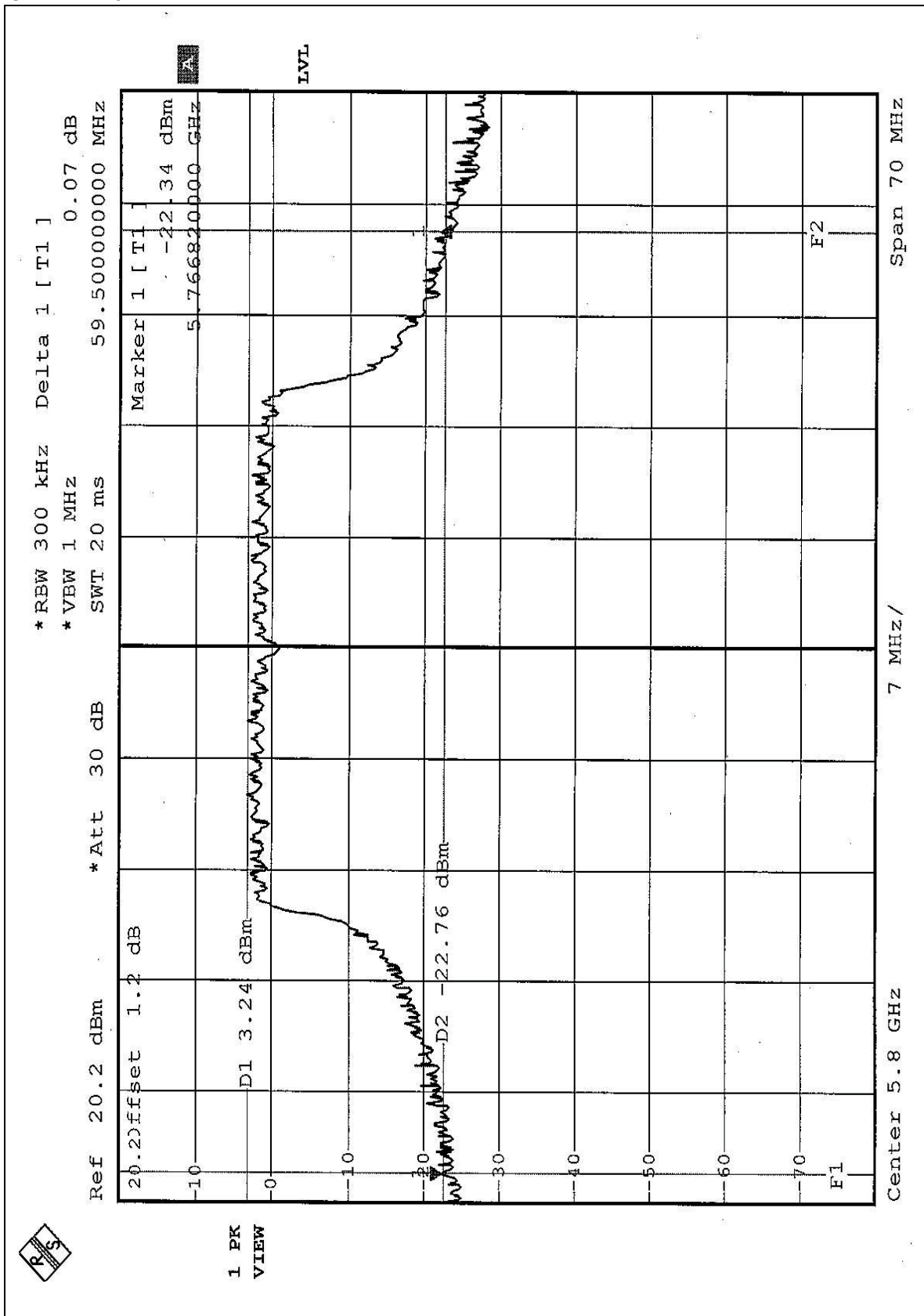




CHANNEL 2



CHANNEL 3



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
SPECTRUM ANALYZER	8564EC	4208A00660	Nov. 19, 2004

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

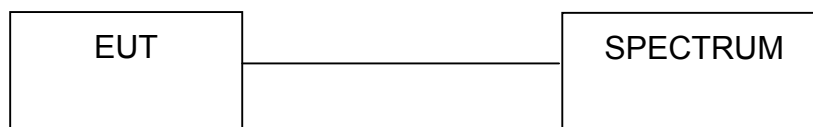
5.4.3 TEST PROCEDURE

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

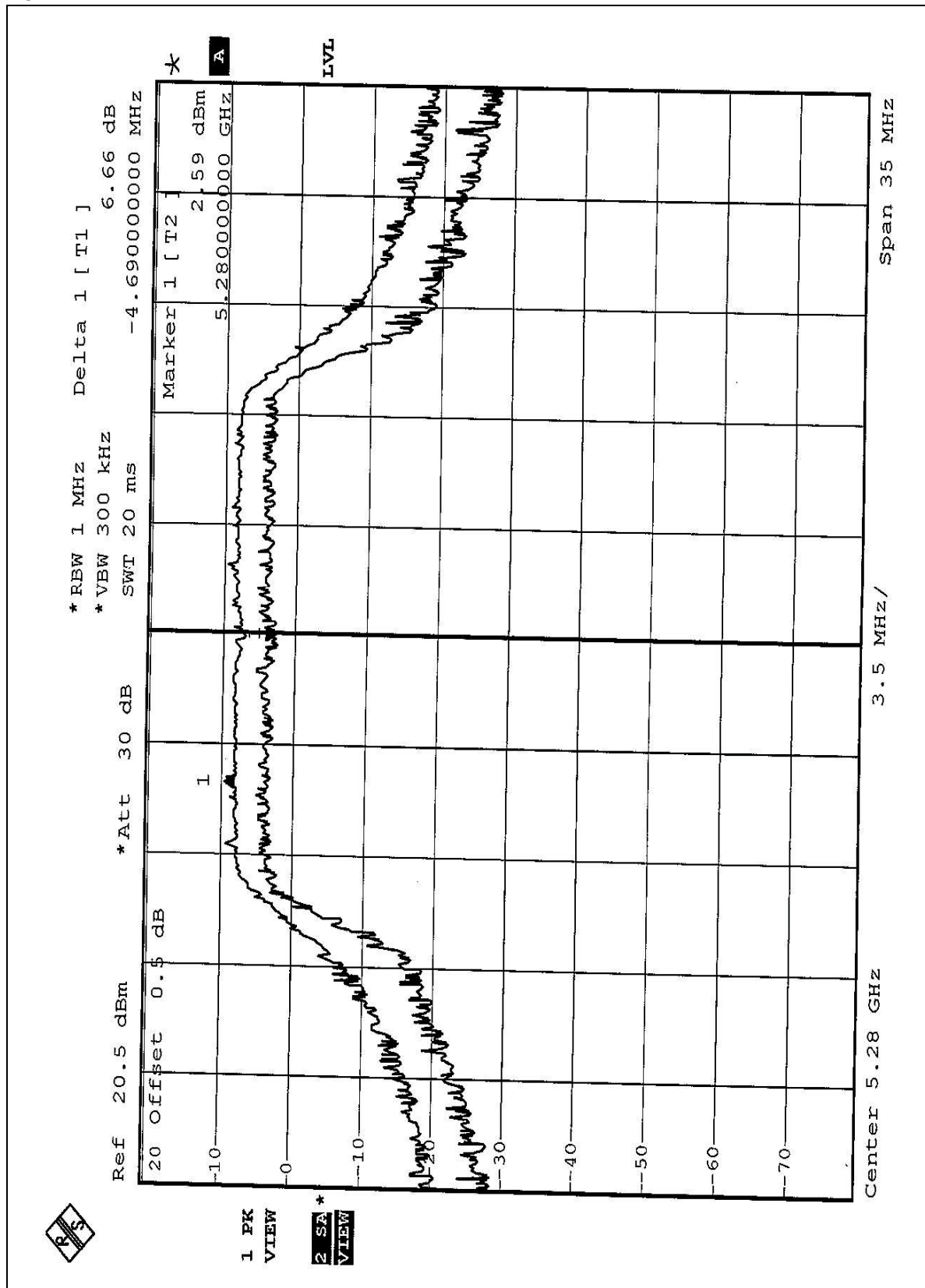
The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

5.4.7 TEST RESULTS

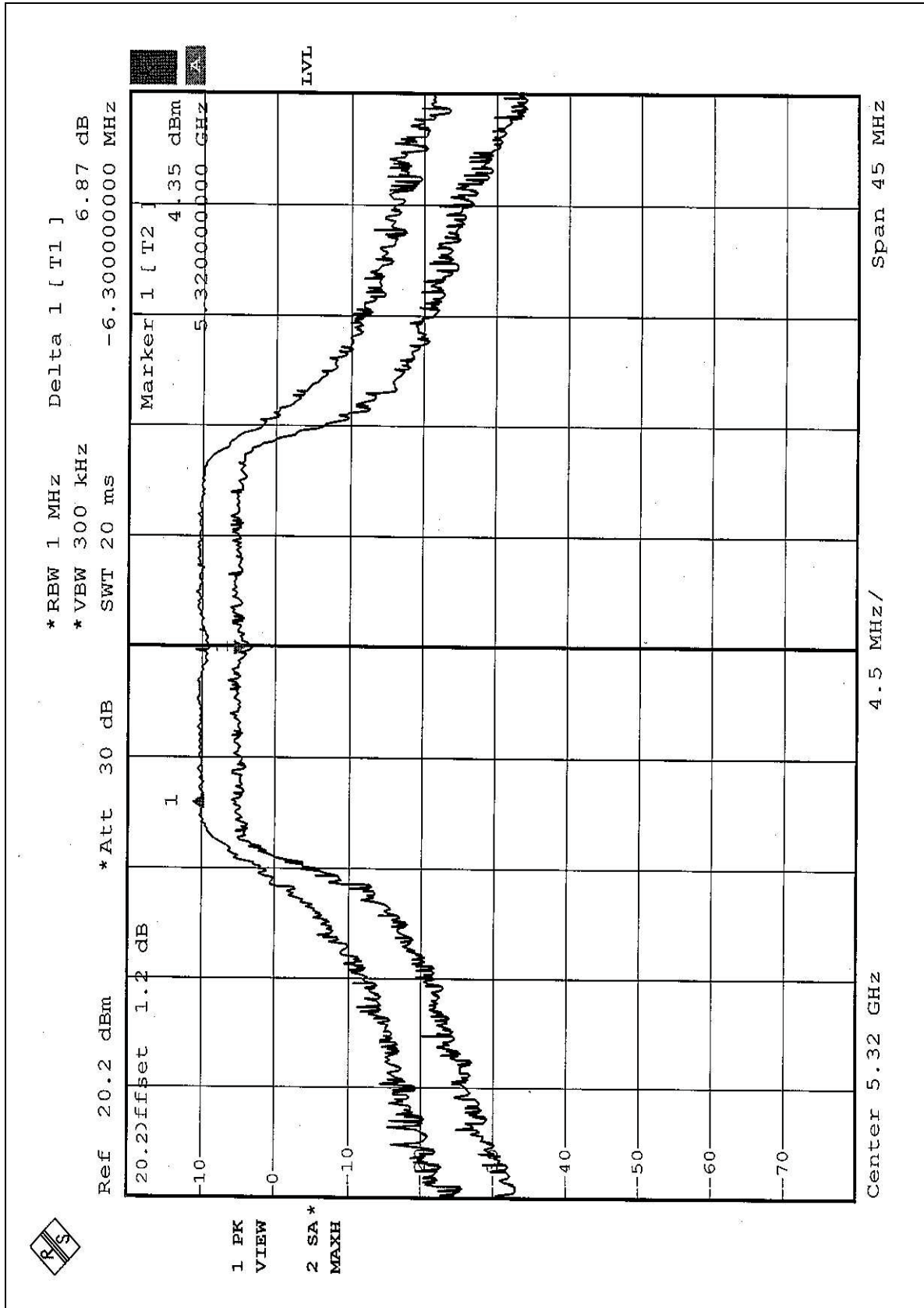
EUT	D-Link Air Premier AG 11a/11g Dualband Wireless 108Mbps PCI Adapter	MODEL	DWL-AG520
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	28deg. C, 64%RH, 991hPa	TESTED BY	Hank Chung

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5280	6.66	13	PASS
3	5320	6.87	13	PASS
4	5745	4.77	13	PASS
7	5805	7.52	13	PASS

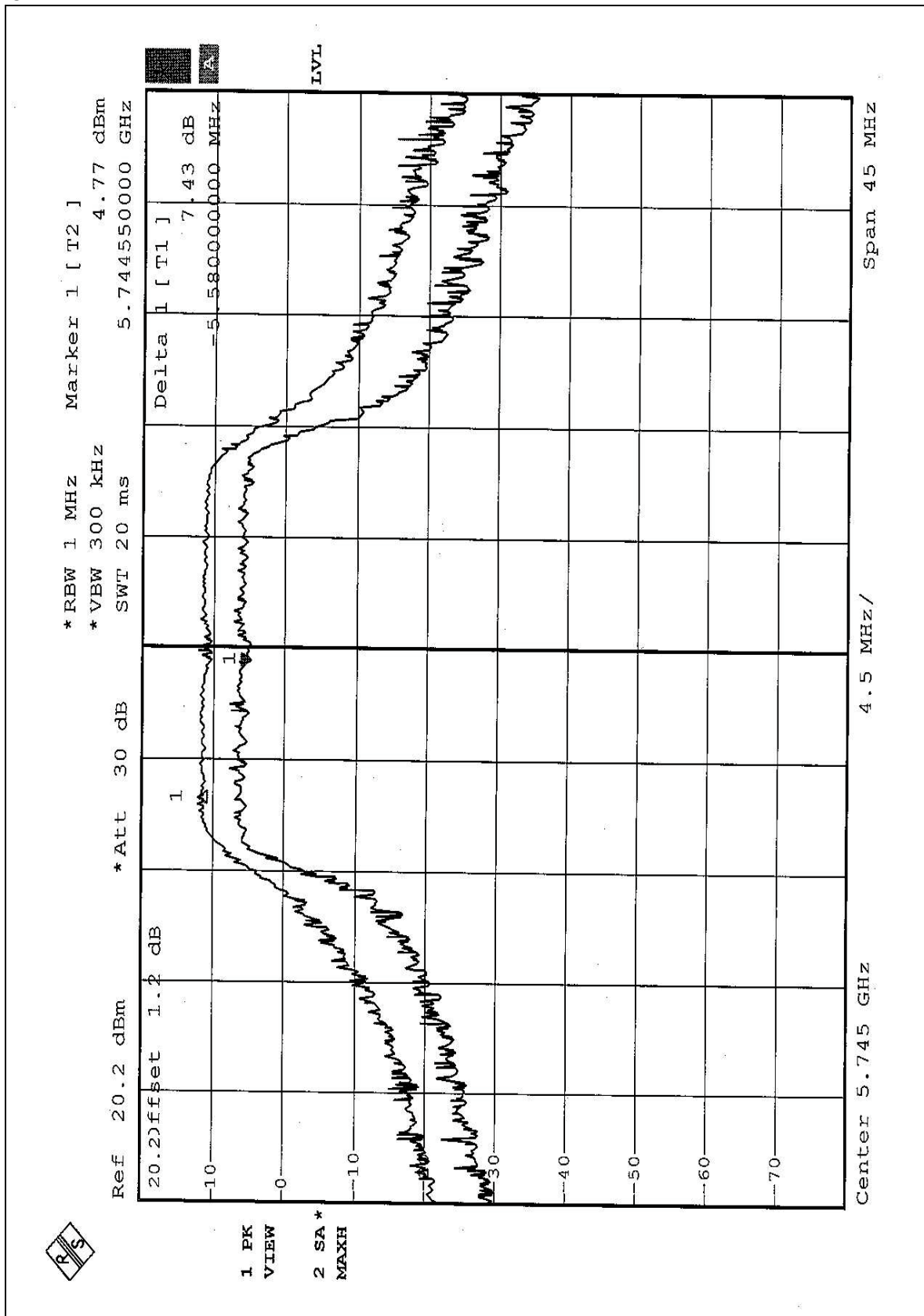
CHANNEL 1



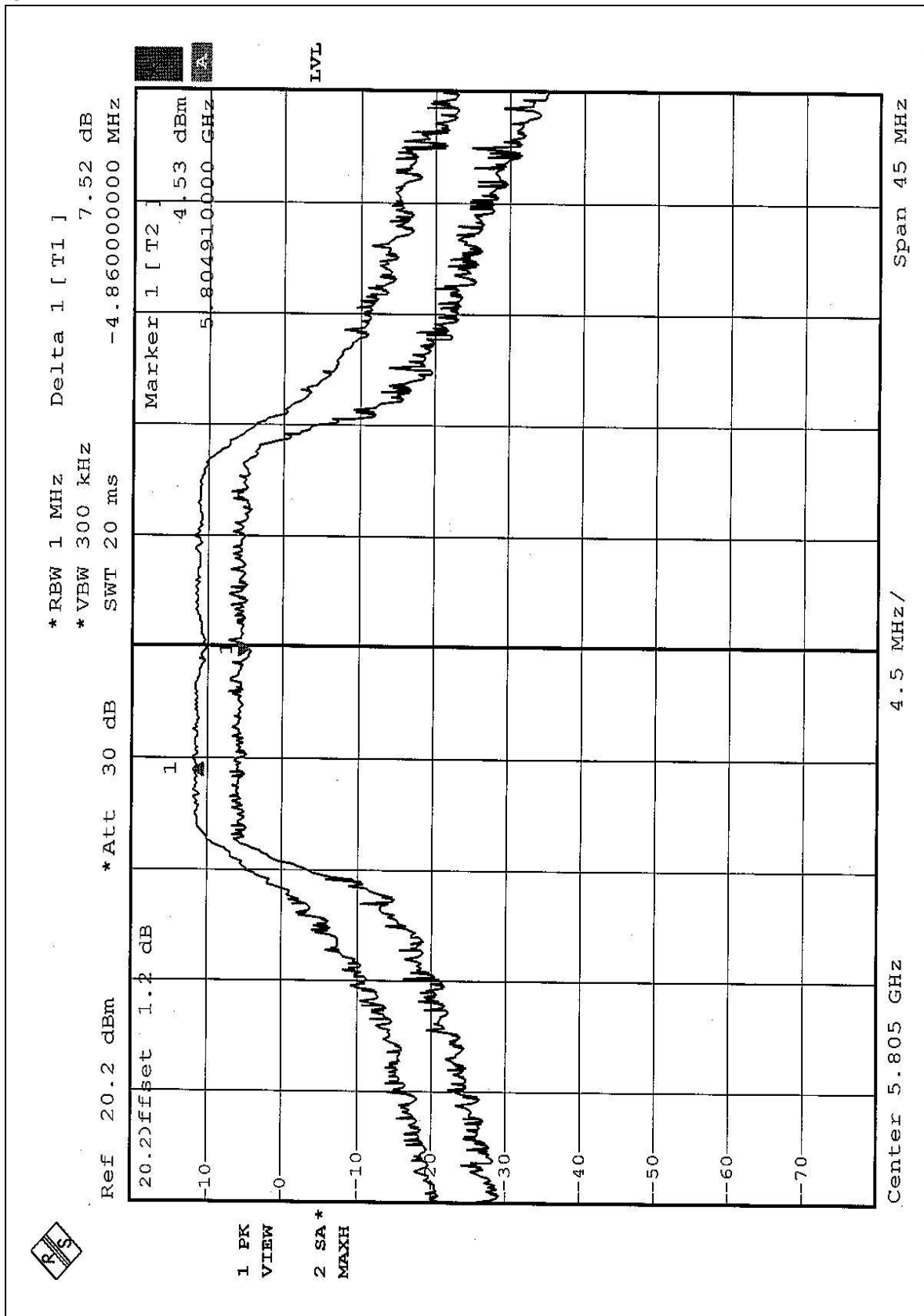
CHANNEL 3



CHANNEL 4



CHANNEL 7

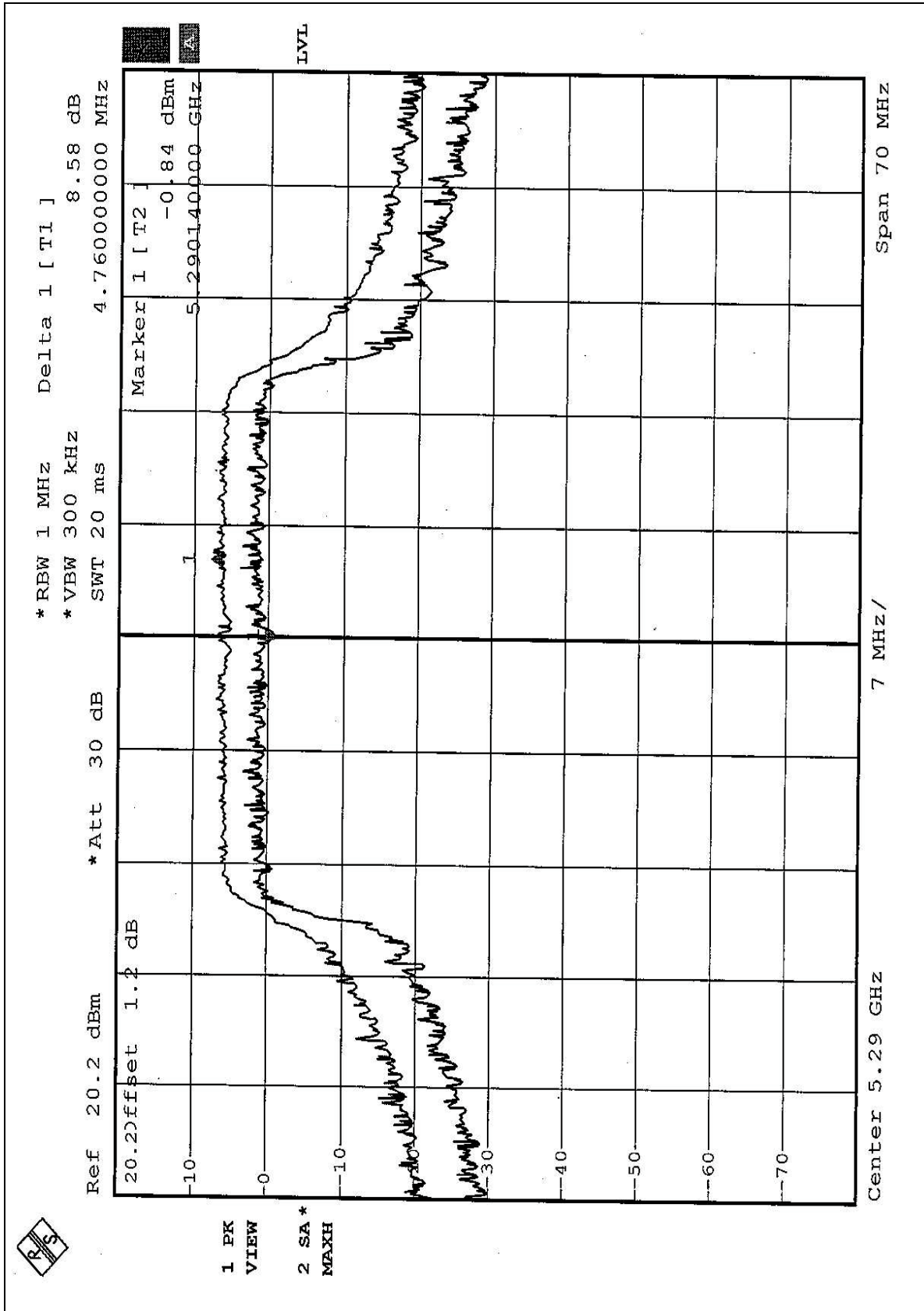




EUT	D-Link Air Premier AG 11a/11g Dualband Wireless 108Mbps PCI Adapter	MODEL	DWL-AG520
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	28deg. C, 64%RH, 991hPa	TESTED BY	Hank Chung

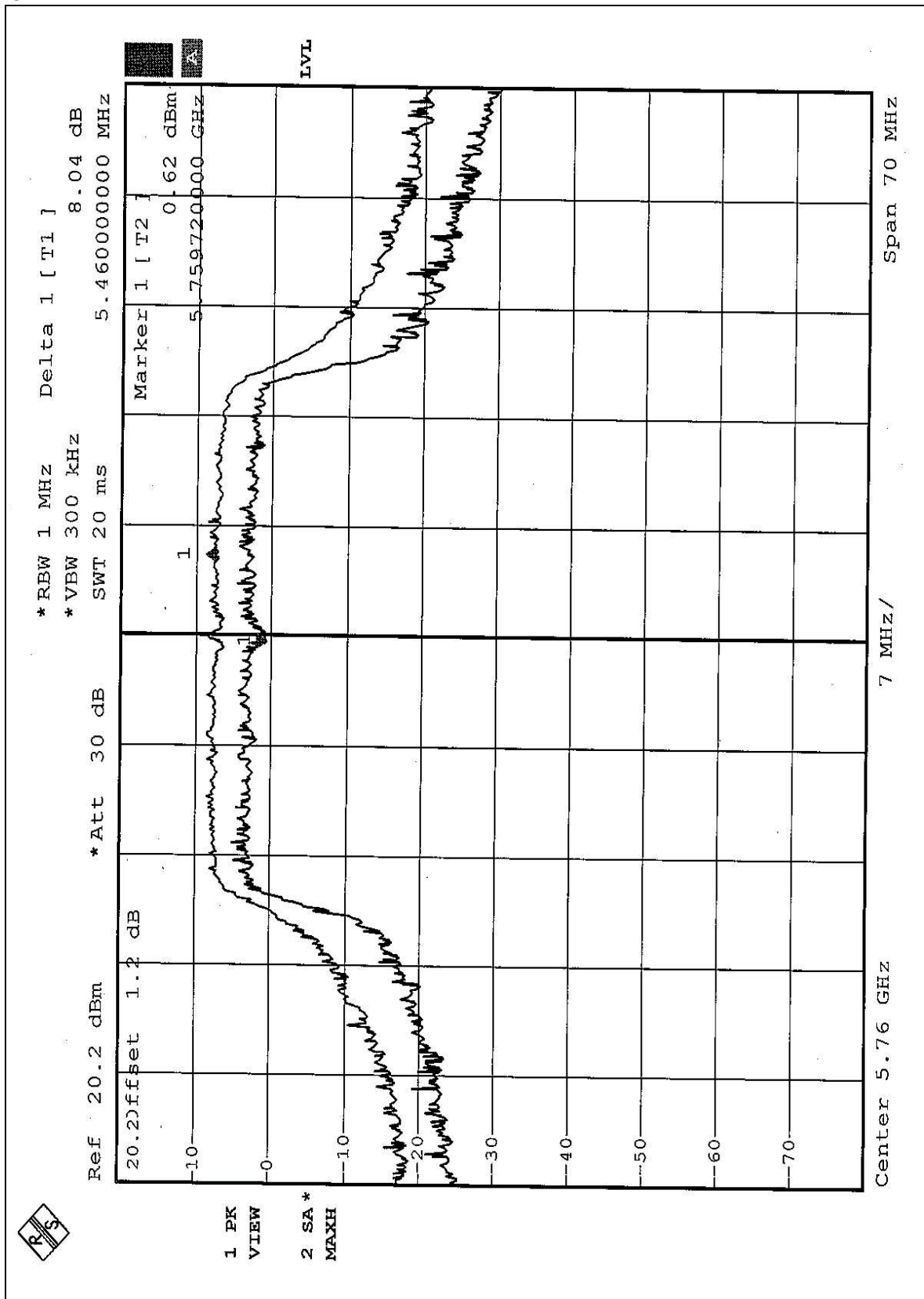
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5290	8.58	13	PASS
2	5760	8.04	13	PASS
3	5800	8.47	13	PASS

CHANNEL 1

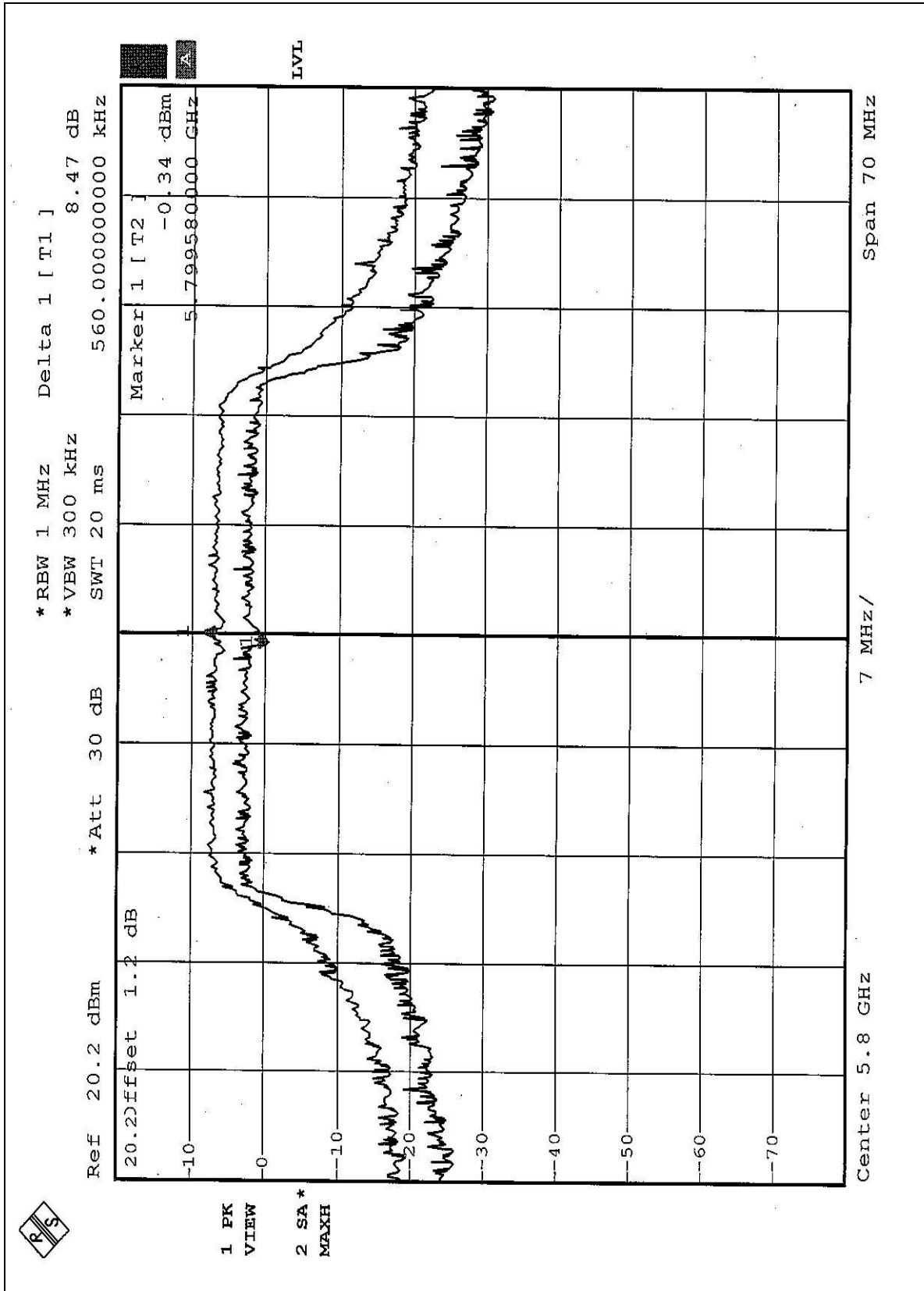




CHANNEL 2



CHANNEL 3



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. 19, 2004

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

5.5.3 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