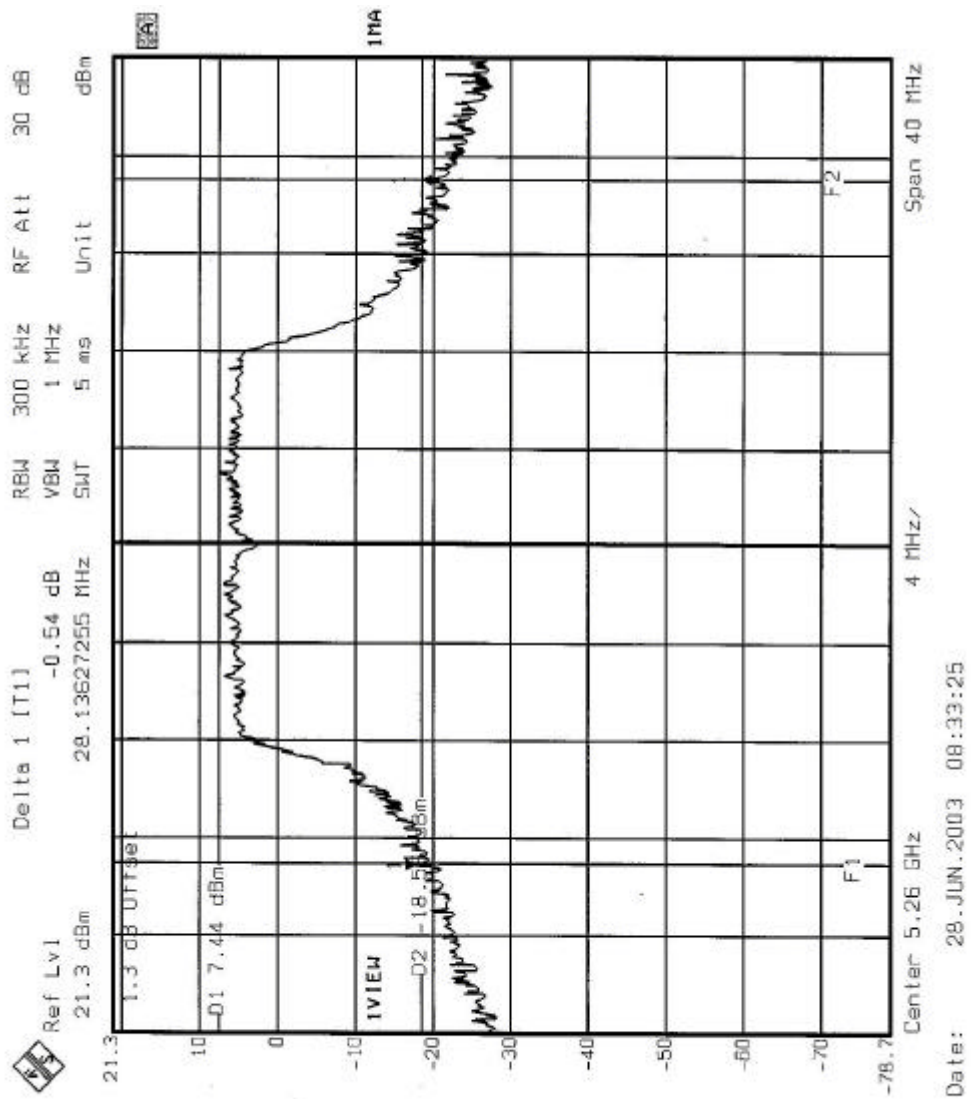
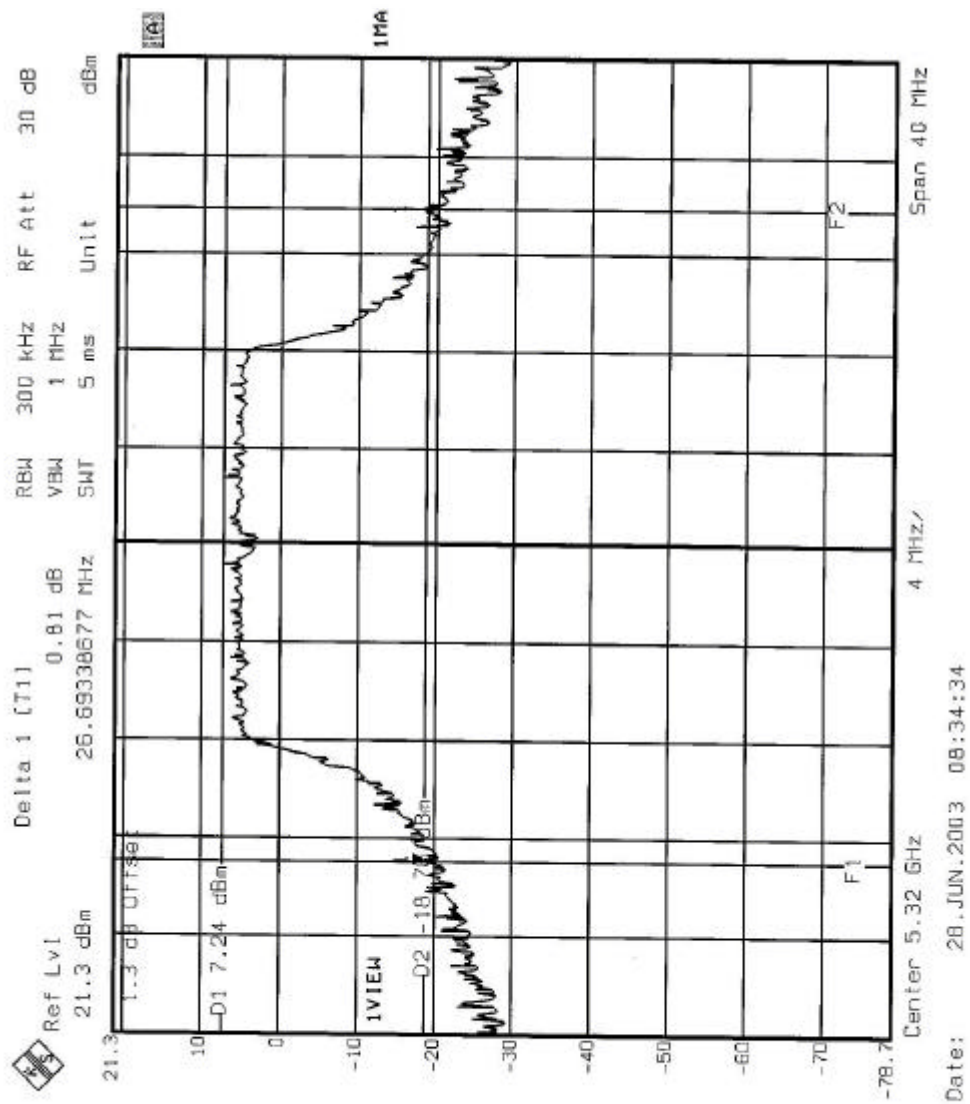


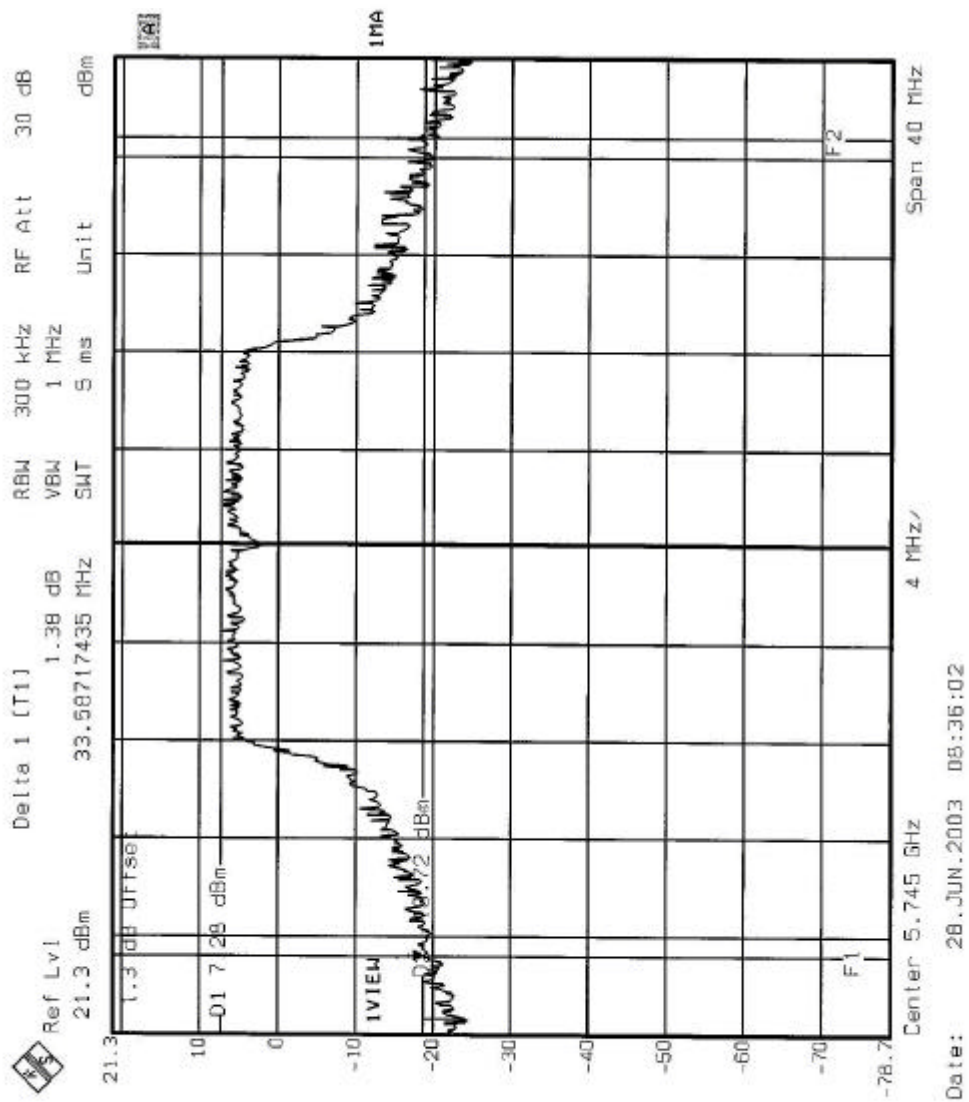
CH5



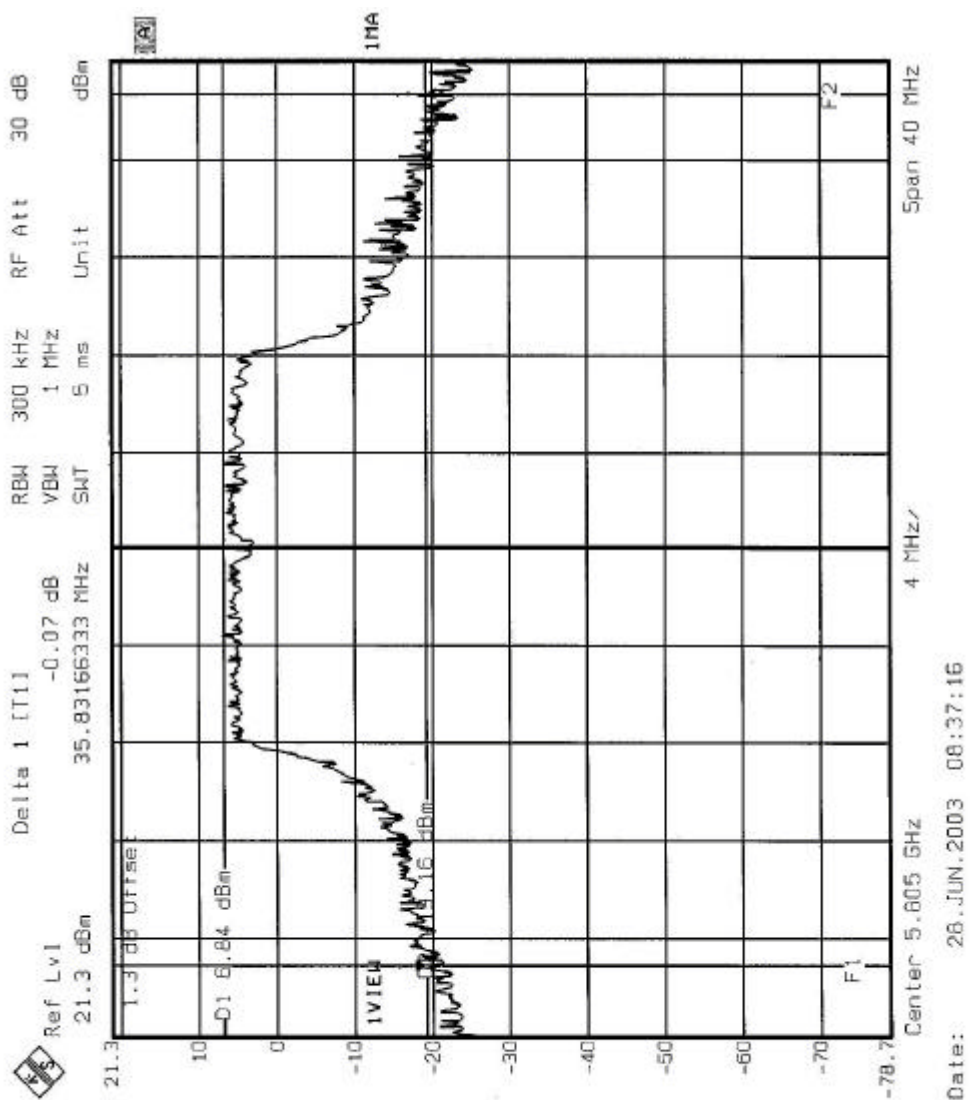
CH8



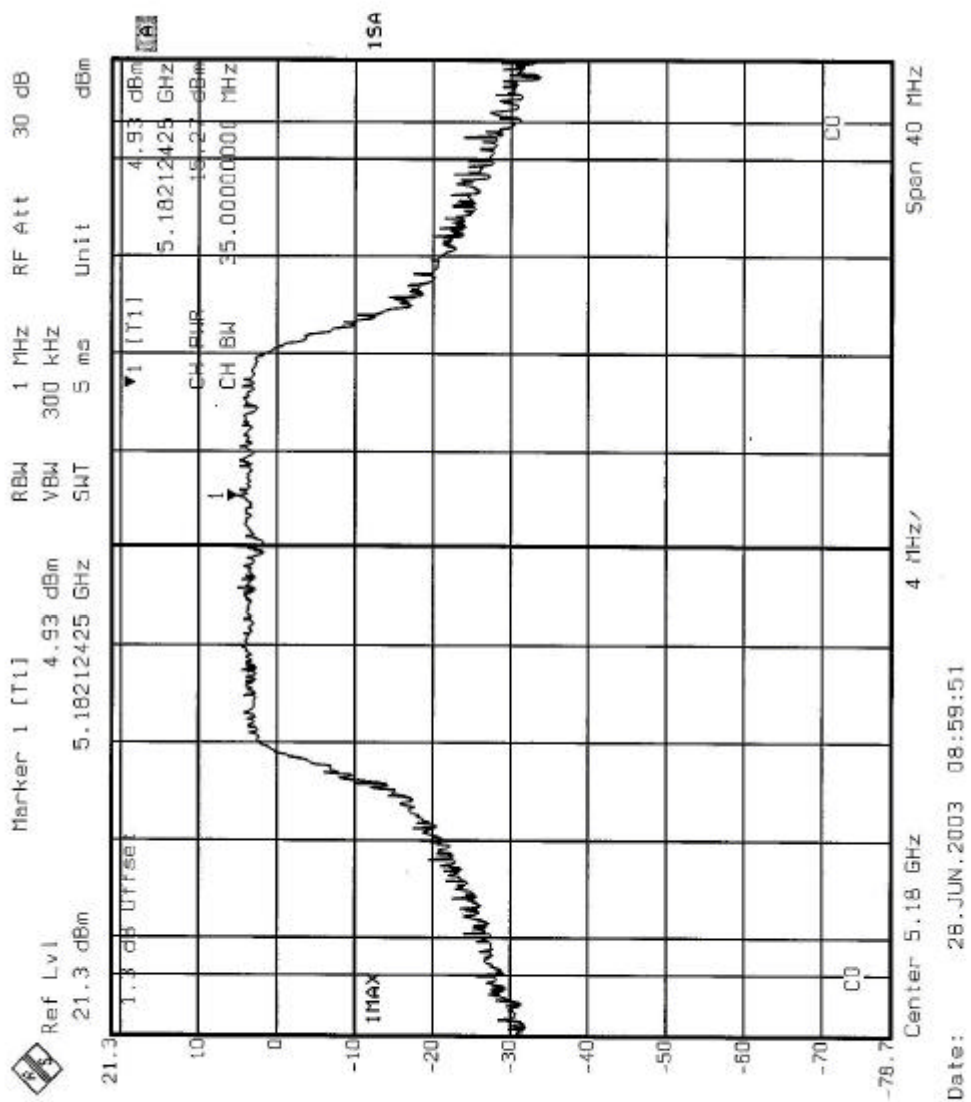
CH9



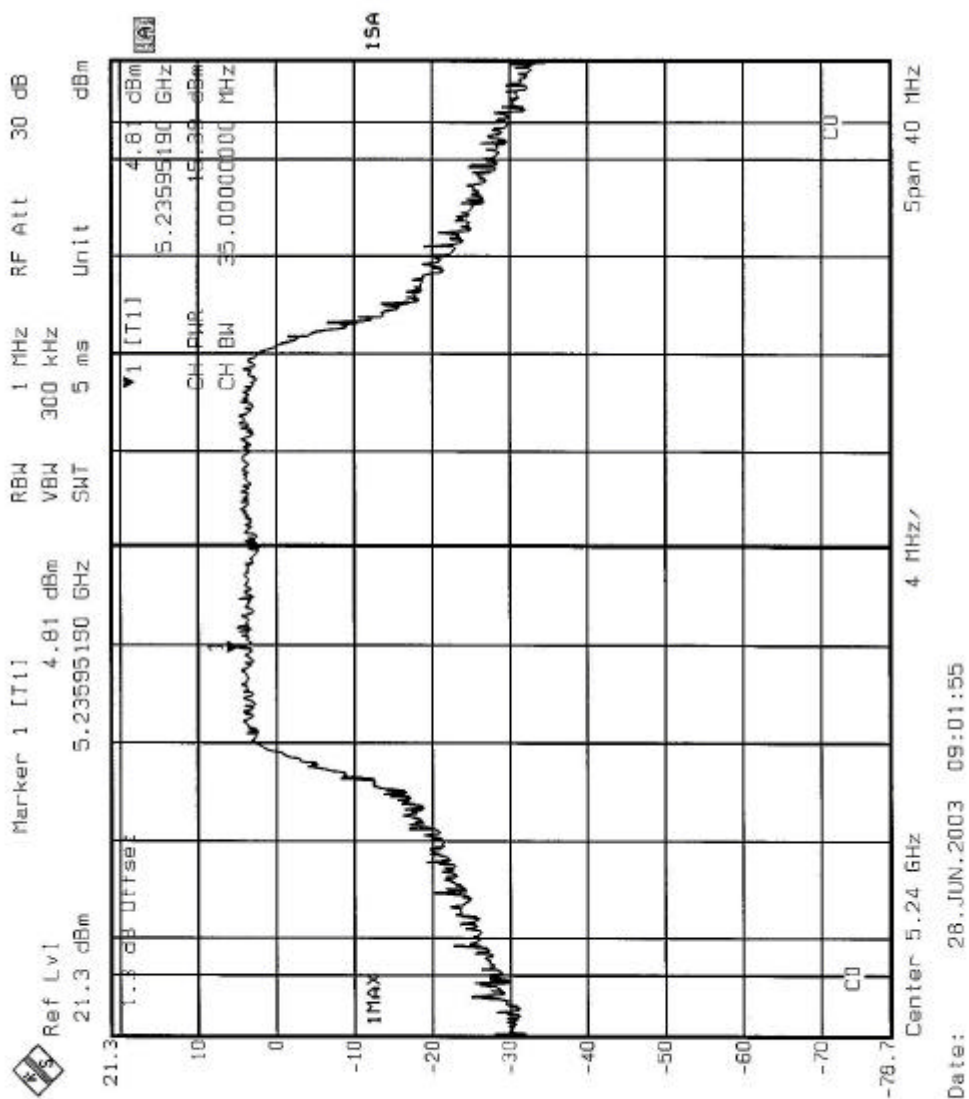
CH12



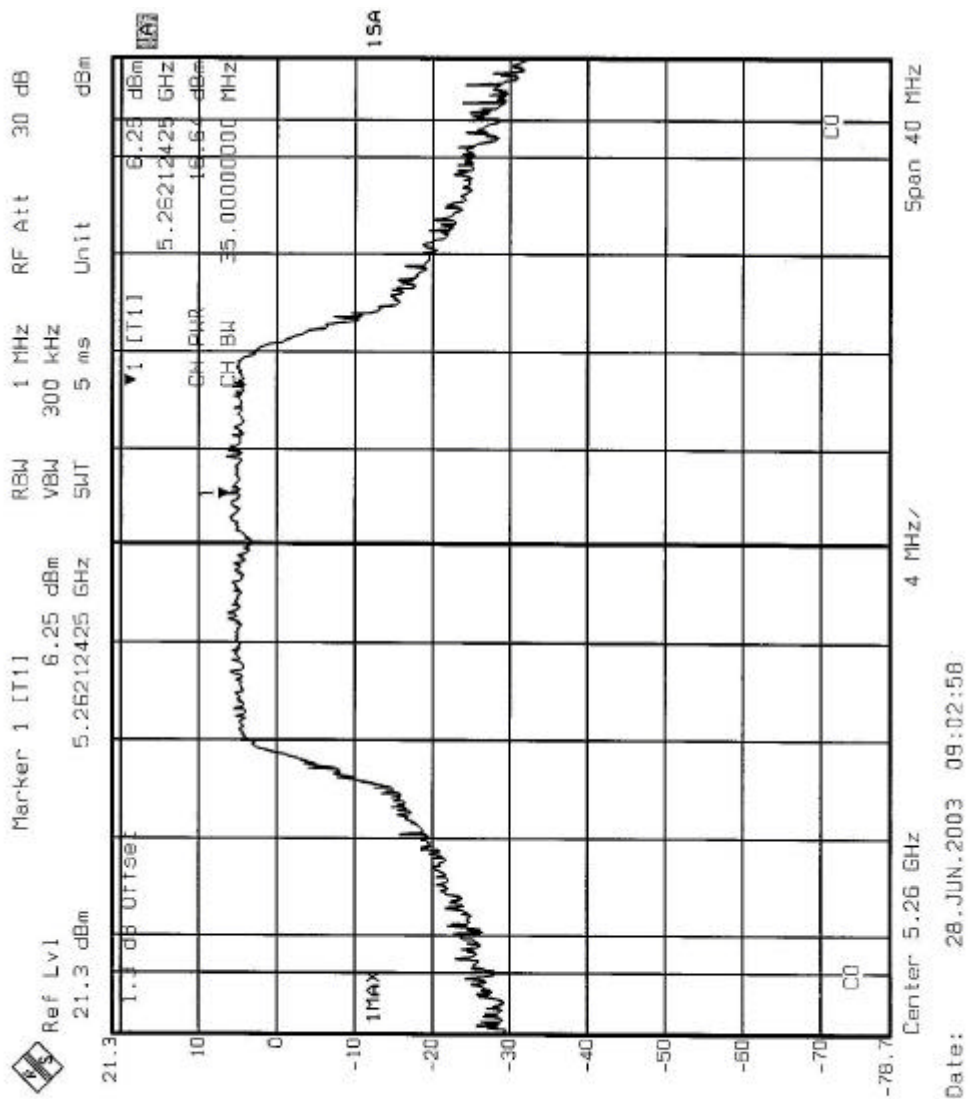
CHANNEL 1



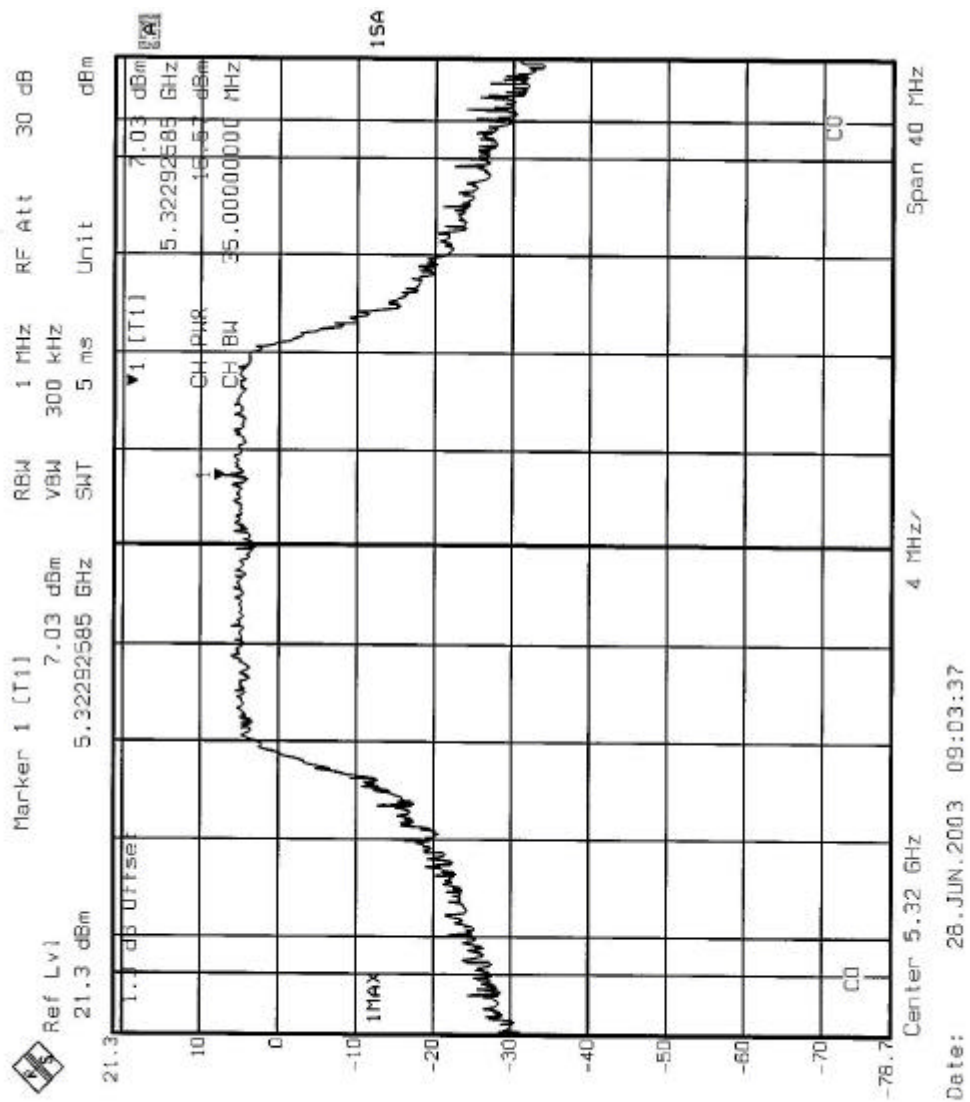
CHANNEL 4



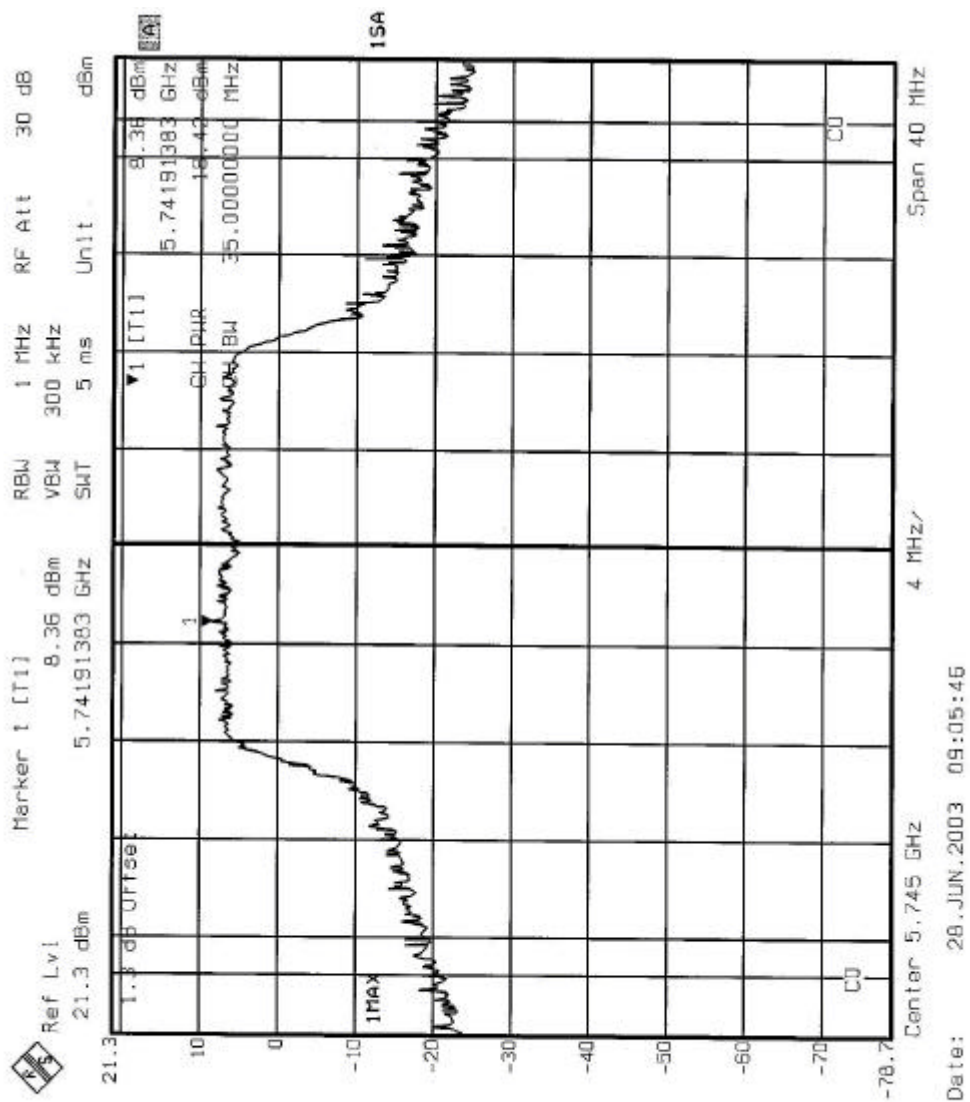
CHANNEL 5



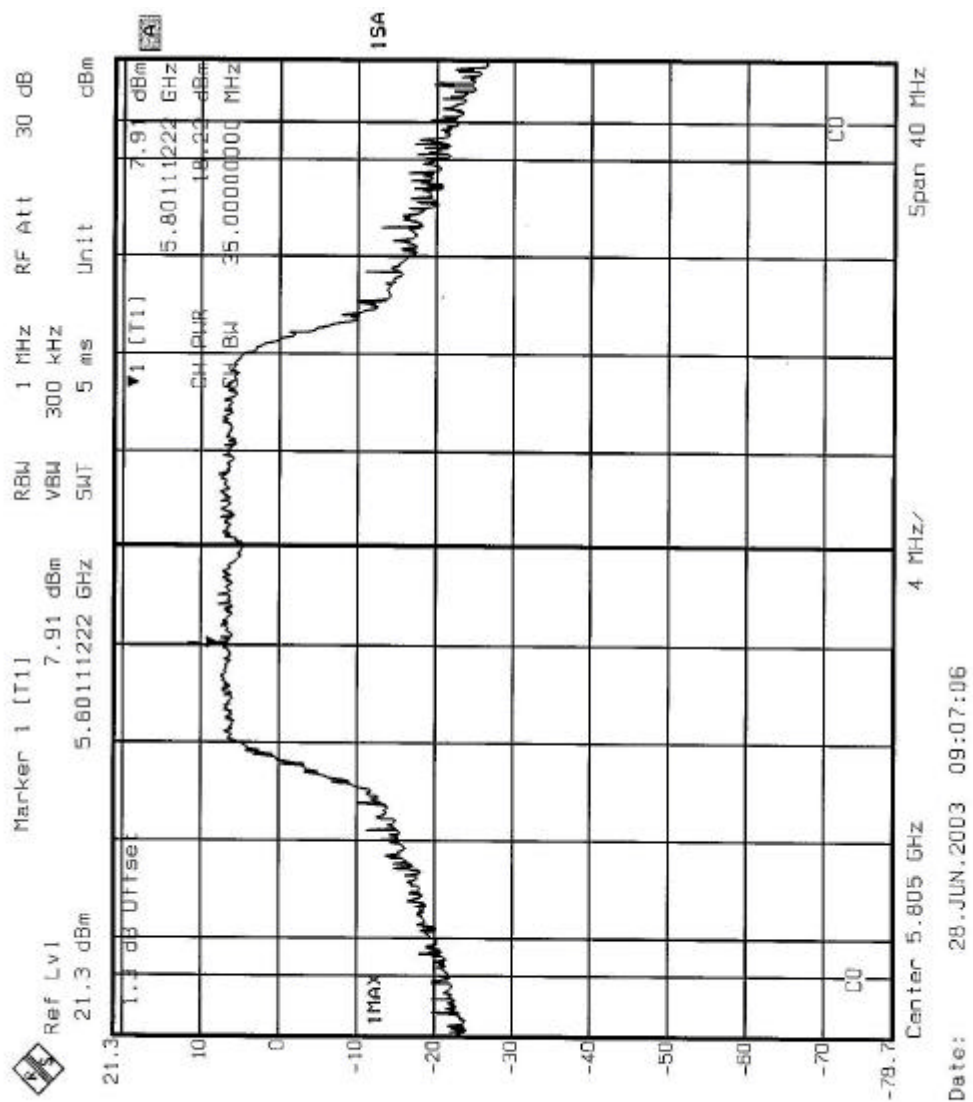
CHANNEL 8



CHANNEL 9



CHANNEL 12



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	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.

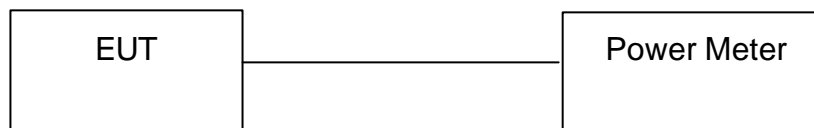
5.4.3 TEST PROCEDURE

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

EUT	Mini- PCI CARD	MODEL	WLL4030
ENVIRONMENTAL CONDITIONS	26deg. C, 68%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Ansen Lei		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	5.88	13	PASS
4	5240	5.74	13	PASS
5	5260	6.32	13	PASS
8	5320	6.21	13	PASS
9	5745	6.01	13	PASS
12	5805	7.03	13	PASS

Marker 1 [T2]
 1.17 dBm
 5.18024549 GHz

Ref Lvl
 21.3 dBm

RBW 1 MHz
 VBW 300 kHz
 SWT 5 ms

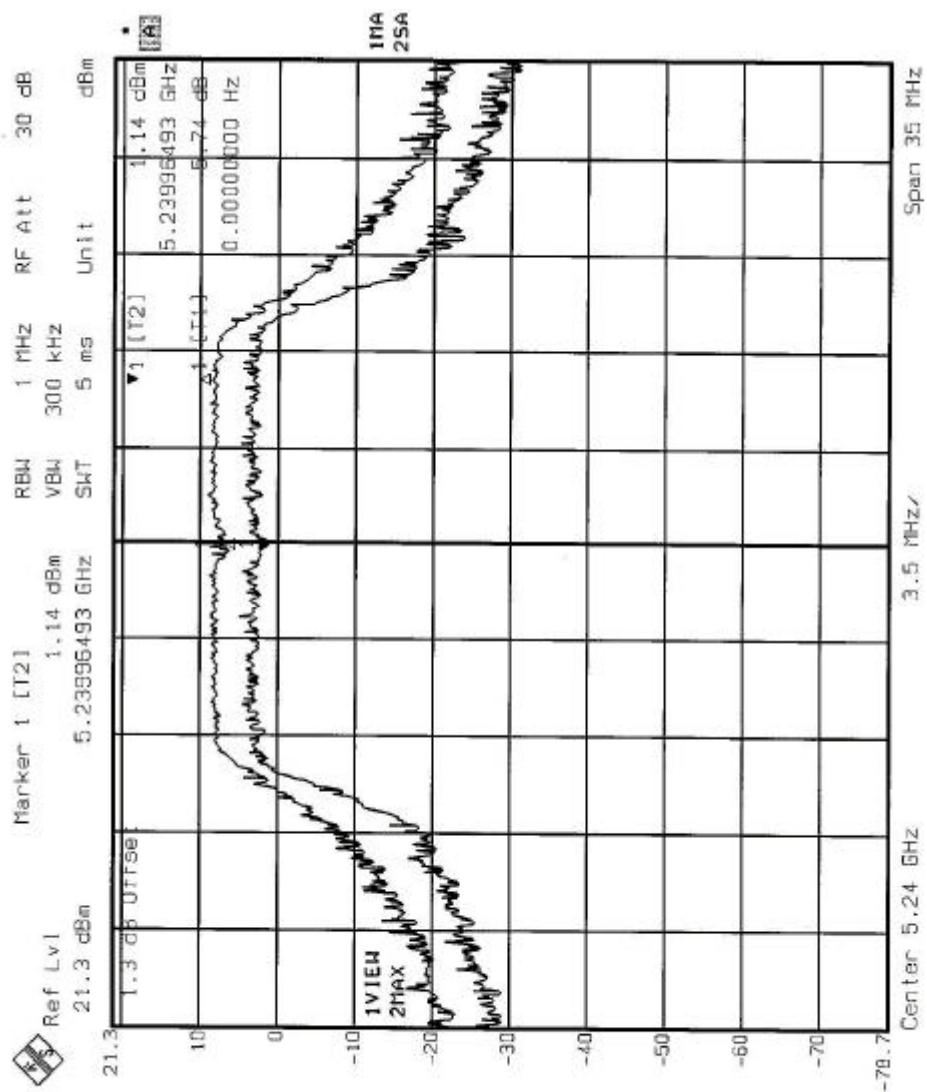
RF Att 30 dB
 Unit dBm

1V1EW
 2MAX

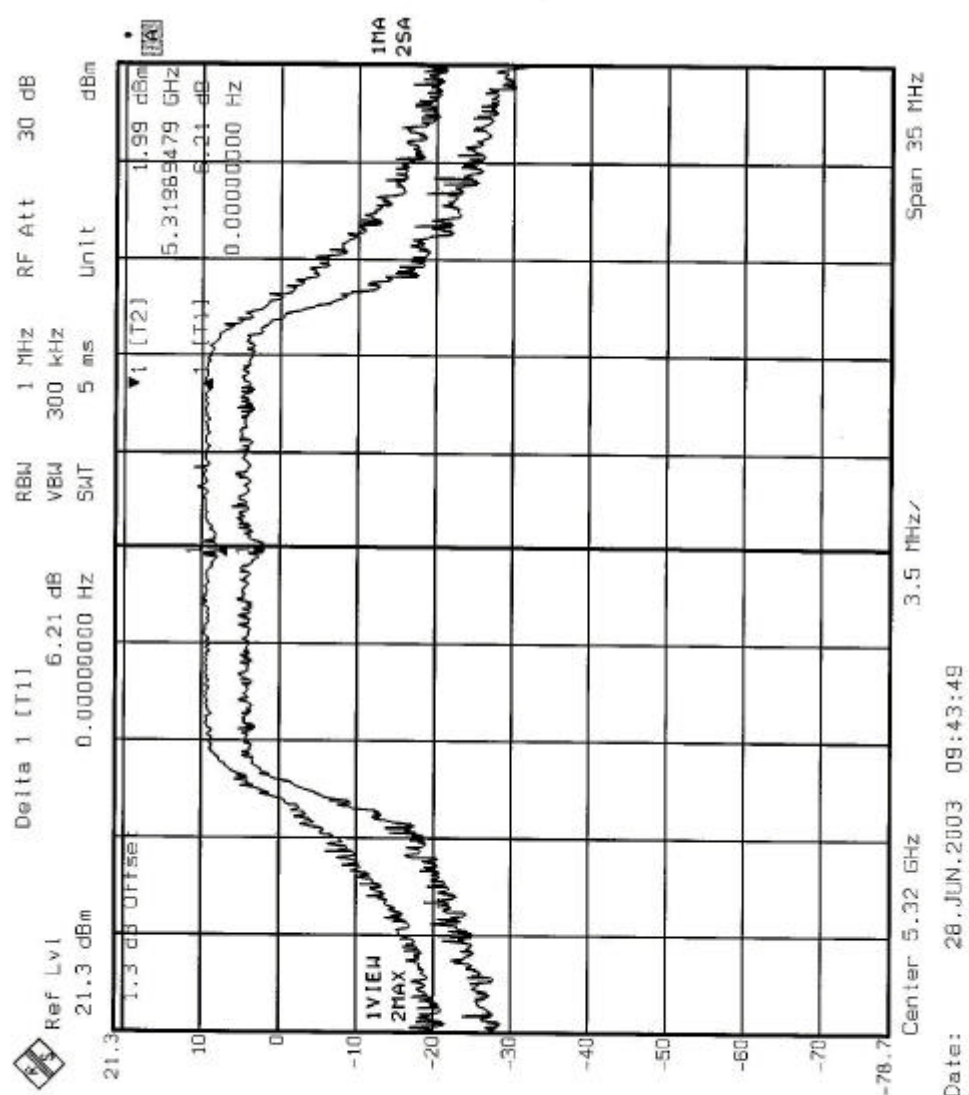
Center 5.18 GHz
 Span 35 MHz

Date: 26 JUN 2003 09:41:34

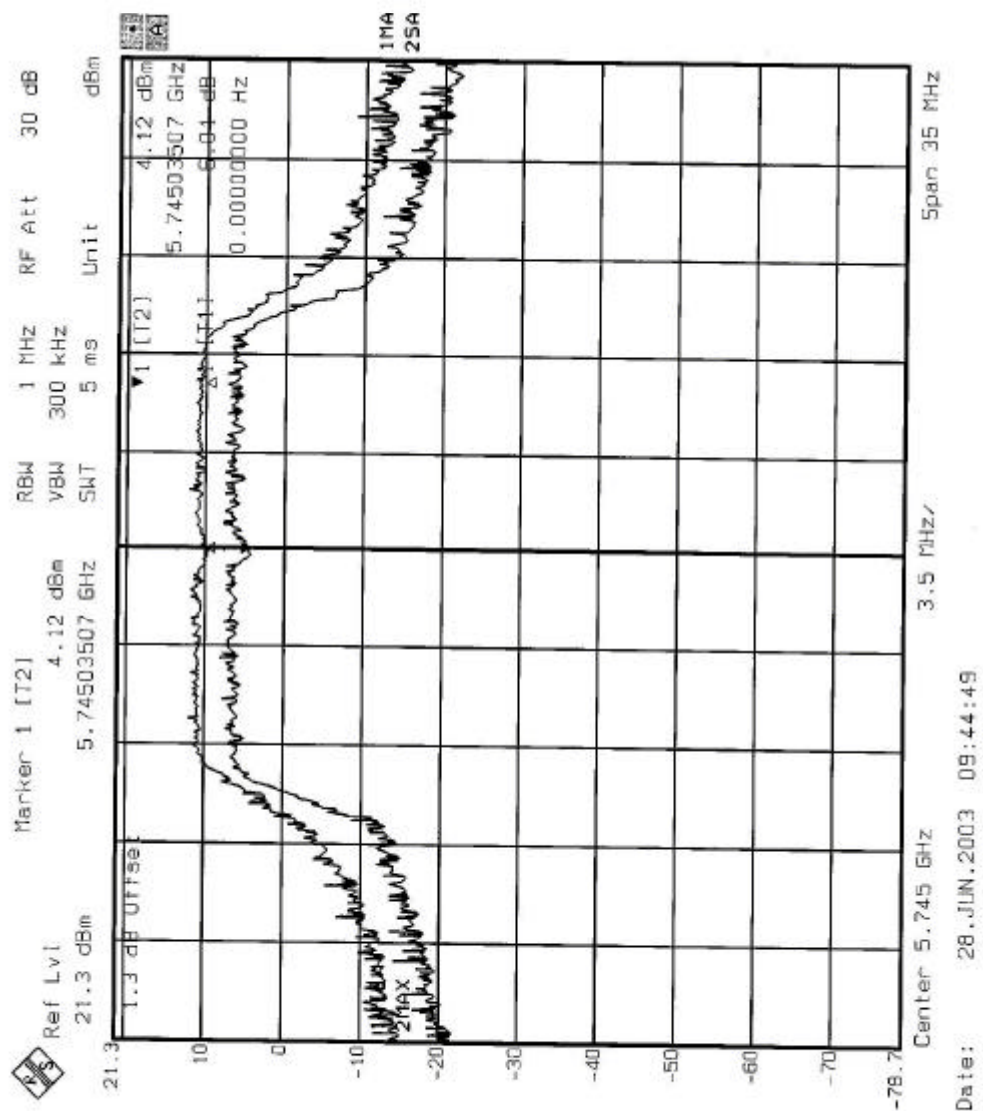
CHANNEL 4



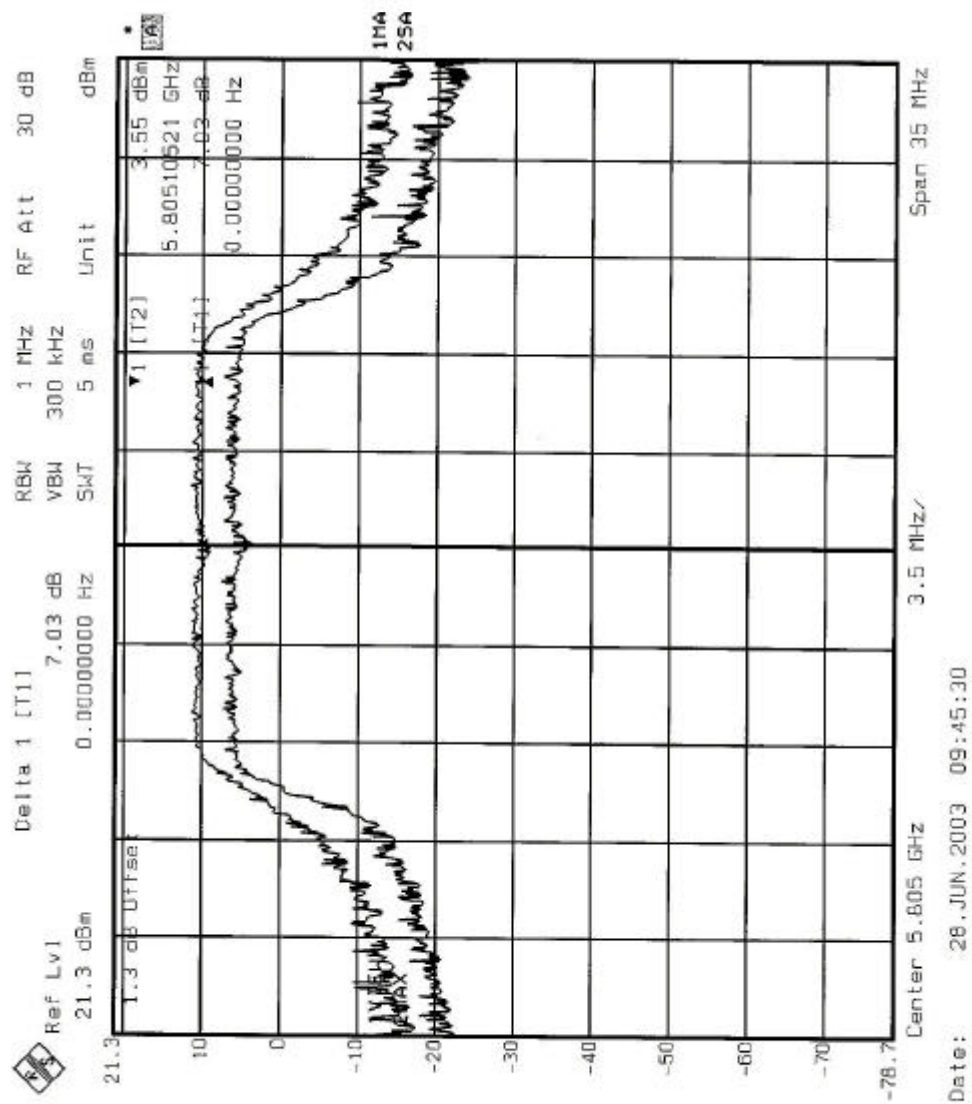
Marker 1 [T2]
 Ref Lvl 21.3 dBm
 2.09 dBm
 5.25982465 GHz
 RBW 1 MHz
 VBW 300 kHz
 SWT 5 ms
 Unit dBm
 RF Att 30 dB
 Span 35 MHz
 Center 5.26 GHz
 Date: 28 JUN 2003 09:42:59



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
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

EUT	Mini- PCI CARD	MODEL	WLL4030
ENVIRONMENTAL CONDITIONS	26deg. C, 68%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Ansen Lei		

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 1MHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5180	-1.73	4	PASS
4	5240	-1.25	4	PASS
5	5260	-0.14	11	PASS
8	5320	0.01	11	PASS
9	5745	1.91	17	PASS
12	5805	1.64	17	PASS