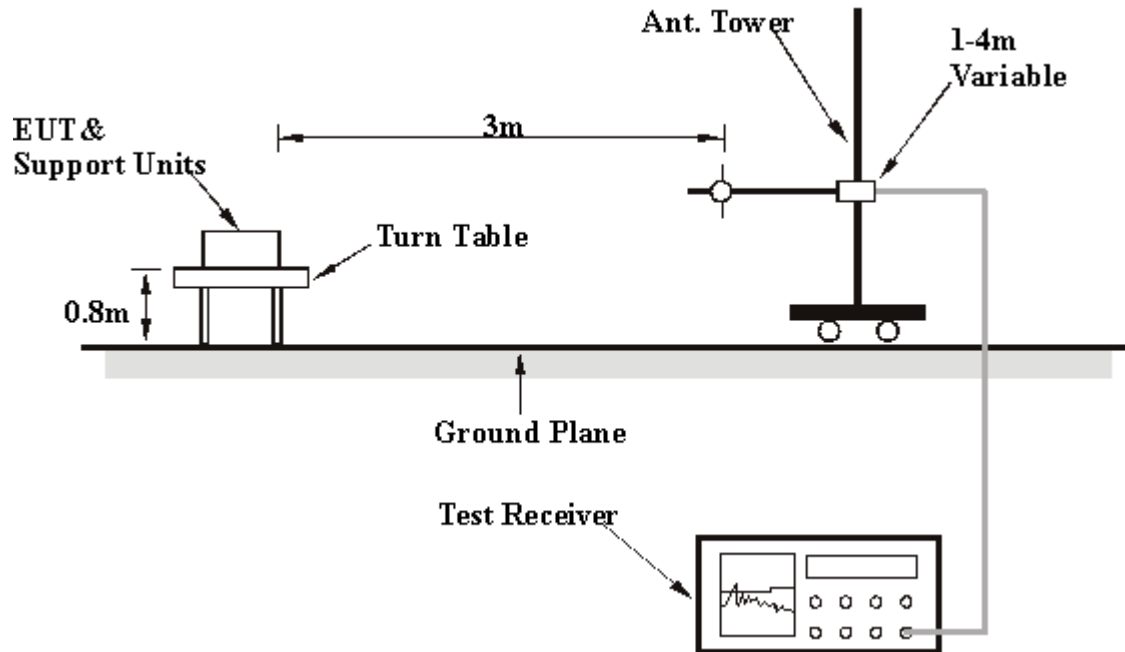


### 5.2.6 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

### 5.2.7 EUT OPERATING CONDITIONS

Same as 4.1.6



5.2.8 TEST RESULTS

Mode 1

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>MODE</b>	Channel 11	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>DETECTOR FUNCTION</b>	Quasi-Peak
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>TESTED BY:</b> Hardaway Lee	

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	131.90	30.17 QP	43.50	-13.33	2.15 H	111	17.71	12.46
2	167.43	40.00 QP	43.50	-3.50	1.71 H	163	29.39	10.61
3	199.85	30.62 QP	43.50	-12.88	1.56 H	65	19.86	10.76
4	211.98	32.68 QP	43.50	-10.82	1.30 H	243	21.24	11.44
5	217.55	35.54 QP	46.00	-10.46	1.49 H	59	23.78	11.76
6	233.50	33.53 QP	46.00	-12.47	1.59 H	260	20.86	12.67
7	260.98	34.32 QP	46.00	-11.68	1.59 H	304	19.20	15.12
8	457.00	39.03 QP	46.00	-6.97	1.01 H	35	19.98	19.05
9	503.00	36.48 QP	46.00	-9.52	1.01 H	140	16.31	20.17

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	129.00	29.54 QP	43.50	-13.96	1.01 V	0	16.93	12.61
2	166.90	34.82 QP	43.50	-8.68	1.01 V	147	24.21	10.61
3	202.65	28.46 QP	43.50	-15.04	1.01 V	157	17.55	10.91
4	225.05	37.60 QP	46.00	-8.40	1.01 V	309	25.41	12.19
5	280.93	32.37 QP	46.00	-13.63	1.72 V	32	17.02	15.35
6	400.00	30.60 QP	46.00	-15.40	1.05 V	324	12.36	18.24
7	469.00	35.52 QP	46.00	-10.48	1.05 V	345	16.17	19.35
8	800.50	33.58 QP	46.00	-12.42	1.66 V	249	9.88	23.70

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  5. Margin value = Emission level – Limit value.



**Mode 2**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>MODE</b>	Channel 11	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>DETECTOR FUNCTION</b>	Quasi-Peak
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>TESTED BY:</b> Hardaway Lee	

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	133.38	40.18 QP	43.50	-3.32	2.10 H	120	27.80	12.38
2	167.13	30.11 QP	43.50	-13.39	2.17 H	216	19.50	10.61
3	200.58	31.11 QP	43.50	-12.39	2.06 H	207	20.32	10.79
4	233.15	33.42 QP	46.00	-12.58	1.59 H	228	20.77	12.65
5	301.00	35.18 QP	46.00	-10.82	1.01 H	120	19.51	15.67
6	326.00	32.23 QP	46.00	-13.77	1.25 H	218	16.19	16.04
7	501.00	33.90 QP	46.00	-12.10	1.01 H	27	13.76	20.14
8	802.00	36.27 QP	46.00	-9.73	1.57 H	1	12.55	23.72

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	133.55	30.47 QP	43.50	-13.03	1.01 V	159	18.09	12.38
2	167.75	26.60 QP	43.50	-16.90	1.01 V	347	16.00	10.60
3	196.65	28.34 QP	43.50	-15.16	1.01 V	12	17.63	10.71
4	200.00	26.75 QP	43.50	-16.75	2.15 V	259	15.99	10.76
5	225.05	30.21 QP	46.00	-15.79	1.50 V	133	18.02	12.19
6	260.98	33.29 QP	46.00	-12.71	1.84 V	332	18.17	15.12
7	375.00	31.46 QP	46.00	-14.54	1.23 V	303	14.14	17.32
8	457.00	38.05 QP	46.00	-7.95	1.39 V	162	19.00	19.05
9	498.00	35.95 QP	46.00	-10.05	1.83 V	139	15.87	20.08
10	913.00	34.20 QP	46.00	-11.80	1.23 V	344	9.69	24.51

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value.



**Mode 3**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>MODE</b>	Channel 11	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>DETECTOR FUNCTION</b>	Quasi-Peak
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>TESTED BY:</b> Martin Lee	

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.23	28.83 QP	40.00	-11.17	2.00 H	10	15.62	13.22
2	66.64	35.12 QP	40.00	-4.88	3.00 H	10	22.78	12.34
3	99.66	41.07 QP	43.50	-2.43	2.88 H	360	30.81	10.26
4	133.47	34.98 QP	43.50	-8.52	3.00 H	244	21.68	13.30
5	166.88	31.26 QP	43.50	-12.24	2.00 H	292	17.60	13.67
6	199.21	34.07 QP	43.50	-9.43	1.00 H	280	22.83	11.24
7	232.62	35.94 QP	46.00	-10.06	1.50 H	22	23.13	12.81
8	311.30	35.17 QP	46.00	-10.83	1.00 H	298	19.78	15.39
9	354.41	33.88 QP	46.00	-12.12	1.00 H	82	17.34	16.53
10	400.76	36.52 QP	46.00	-9.48	1.00 H	16	18.79	17.73
11	601.22	36.73 QP	46.00	-9.27	1.50 H	40	14.12	22.62
12	733.79	33.28 QP	46.00	-12.72	1.50 H	112	8.38	24.91
13	799.53	31.28 QP	46.00	-14.72	1.00 H	238	5.66	25.62
14	831.87	30.01 QP	46.00	-15.99	1.50 H	22	4.06	25.95
15	867.43	32.28 QP	46.00	-13.72	1.00 H	40	5.79	26.49
16	899.77	30.38 QP	46.00	-15.62	1.00 H	64	3.25	27.14
17	934.26	37.89 QP	46.00	-8.11	1.00 H	172	10.36	27.53

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	38.62	27.93 QP	40.00	-12.07	1.00 V	340	13.79	14.14
2	73.11	32.26 QP	40.00	-7.74	1.00 V	340	21.15	11.11
3	162.57	28.35 QP	43.50	-15.15	1.00 V	274	14.29	14.05
4	284.36	32.00 QP	46.00	-14.00	2.00 V	178	17.27	14.73
5	321.00	37.89 QP	46.00	-8.11	1.50 V	202	22.24	15.65
6	353.33	33.26 QP	46.00	-12.74	2.00 V	190	16.76	16.51
7	601.22	30.18 QP	46.00	-15.82	1.50 V	130	7.57	22.62
8	664.81	37.30 QP	46.00	-8.70	1.00 V	142	13.84	23.47
9	934.26	36.04 QP	46.00	-9.96	1.00 V	358	8.50	27.53

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value



**Mode 4**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>MODE</b>	Channel 11	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>DETECTOR FUNCTION</b>	Quasi-Peak
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>TESTED BY:</b> Martin Lee	

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.23	28.91 QP	40.00	-11.09	3.00 H	10	15.69	13.22
2	66.64	35.19 QP	40.00	-4.81	1.50 H	358	22.85	12.34
3	100.06	40.20 QP	43.50	-3.30	2.00 H	22	29.90	10.30
4	133.47	32.47 QP	43.50	-11.03	1.50 H	304	19.17	13.30
5	166.88	32.18 QP	43.50	-11.32	1.50 H	298	18.51	13.67
6	200.29	35.30 QP	43.50	-8.20	1.50 H	268	24.10	11.20
7	232.62	33.83 QP	46.00	-12.17	1.50 H	352	21.02	12.81
8	284.36	34.03 QP	46.00	-11.97	1.00 H	286	19.30	14.73
9	333.93	36.15 QP	46.00	-9.85	1.00 H	214	20.16	15.99
10	366.27	32.10 QP	46.00	-13.90	1.00 H	346	15.26	16.84
11	398.60	39.76 QP	46.00	-6.24	1.00 H	238	22.09	17.67
12	467.58	33.08 QP	46.00	-12.92	1.00 H	208	13.53	19.55
13	601.22	38.64 QP	46.00	-7.36	1.50 H	28	16.02	22.62
14	654.03	31.46 QP	46.00	-14.54	1.00 H	322	8.15	23.31
15	733.79	32.80 QP	46.00	-13.20	1.50 H	100	7.90	24.91
16	801.69	31.55 QP	46.00	-14.45	1.00 H	208	5.91	25.64
17	867.43	32.45 QP	46.00	-13.55	1.00 H	82	5.97	26.49
18	934.26	37.43 QP	46.00	-8.57	1.00 H	58	9.90	27.53

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.23	34.34 QP	40.00	-5.66	1.00 V	358	21.13	13.22
2	66.64	35.62 QP	40.00	-4.38	1.00 V	46	23.28	12.34
3	162.57	28.98 QP	43.50	-14.52	1.00 V	322	14.93	14.05
4	200.29	29.77 QP	43.50	-13.73	2.00 V	262	18.56	11.20
5	310.22	33.59 QP	46.00	-12.41	2.00 V	220	18.23	15.36
6	352.26	33.01 QP	46.00	-12.99	2.00 V	148	16.53	16.48
7	533.32	37.30 QP	46.00	-8.70	1.00 V	256	16.55	20.75
8	601.22	32.26 QP	46.00	-13.74	1.50 V	118	9.65	22.62
9	794.14	32.82 QP	46.00	-13.18	1.50 V	274	7.24	25.59
10	934.26	36.90 QP	46.00	-9.10	1.50 V	142	9.37	27.53

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
  2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
  3. The other emission levels were very low against the limit.
  4. Margin value = Emission level – Limit value



5.2.9 TEST RESULTS (MODE 1)

**NORMAL MODE**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	1
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Hardaway Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	45.00 PK	74.00	-29.00	1.00 H	354	8.80	36.20
2	*5180.00	96.30 PK			1.00 H	354	60.10	36.20
2	*5180.00	87.10 AV			1.00 H	354	50.90	36.20
3	10358.00	56.40 PK	71.30	-14.90	1.29 H	354	11.90	44.50
4	#15543.00	61.90 PK	74.00	-12.10	1.22 H	16	15.10	46.70
4	#15543.00	48.50 AV	54.00	-5.50	1.22 H	16	1.70	46.70

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	60.40 PK	74.00	-13.60	1.00 V	135	24.20	36.20
1	#5150.00	50.60 AV	54.00	-3.40	1.00 V	135	14.40	36.20
2	*5180.00	111.70 PK			1.00 V	135	75.50	36.20
2	*5180.00	101.90 AV			1.00 V	135	65.70	36.20
3	6844.00	59.80 PK	71.30	-11.50	1.00 V	34	19.60	40.20
4	10354.00	56.00 PK	71.30	-15.30	1.00 V	34	11.50	44.50
5	#15545.00	52.40 PK	74.00	-21.60	1.03 V	353	18.60	46.70
5	#15545.00	37.70 AV	54.00	-16.30	1.03 V	353	5.00	46.70

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	4
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Hardaway Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	95.53 PK			1.80 H	291	59.20	36.33
1	*5240.00	88.33 AV			1.80 H	291	52.00	36.33
2	10480.00	57.70 PK	71.30	-13.60	1.51 H	238	13.00	44.70
3	#15720.00	63.59 PK	74.00	-10.41	1.64 H	248	17.09	46.51
3	#15720.00	49.52 AV	54.00	-4.48	1.64 H	248	3.02	46.51

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	111.02 PK			1.37 V	0	74.69	36.33
1	*5240.00	101.66 AV			1.37 V	0	65.33	36.33
2	10480.00	56.40 PK	71.30	-14.90	1.73 V	235	11.70	44.70
3	#15726.00	63.99 PK	74.00	-10.01	1.21 V	228	17.49	46.50
3	#15726.00	50.27 AV	54.00	-3.73	1.21 V	228	3.77	46.50

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
- 5 “\*” : Fundamental frequency
6. “# “ : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	5
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Hardaway Lee

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	98.38 PK			1.82 H	291	62.02	36.36
1	*5260.00	89.80 AV			1.82 H	291	53.44	36.36
2	10520.00	58.51 PK	71.30	-12.79	1.63 H	227	13.73	44.78
3	#15780.00	61.23 PK	74.00	-12.77	1.52 H	315	14.79	46.43
3	#15780.00	48.27 AV	54.00	-5.73	1.52 H	315	1.83	46.43

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	108.97 PK			1.36 V	358	72.61	36.36
1	*5260.00	99.66 AV			1.36 V	358	63.30	36.36
2	10520.00	59.51 PK	71.30	-11.79	1.36 V	247	14.73	44.78
3	#15780.00	62.51 PK	74.00	-11.49	1.00 V	8	16.07	46.43
3	#15780.00	49.41 AV	54.00	-4.59	1.00 V	8	2.97	46.43

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.





<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	8
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Hardaway Lee

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	94.40 PK			1.24 H	132	57.90	36.40
1	*5320.00	85.20 AV			1.24 H	132	48.70	36.40
2	#5350.00	43.60 PK	74.00	-30.40	1.24 H	132	7.20	36.50
3	#10638.00	56.90 PK	74.00	-17.10	1.60 H	315	11.80	45.10
3	#10638.00	43.30 AV	54.00	-10.70	1.60 H	315	-1.80	45.10
4	#15959.00	61.40 PK	74.00	-12.60	1.07 H	18	15.20	46.20
4	#15959.00	47.50 AV	54.00	-6.50	1.07 H	18	1.30	46.20

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.20 PK			1.12 V	131	69.80	36.40
1	*5320.00	95.30 AV			1.12 V	131	58.90	36.40
2	#5350.00	55.50 PK	74.00	-18.50	1.12 V	131	19.00	36.50
2	#5350.00	44.50 AV	54.00	-9.50	1.12 V	131	8.10	36.50
3	7093.00	53.70 PK	71.30	-17.60	1.04 V	293	12.90	40.80
4	#10638.00	60.00 PK	74.00	-14.00	1.19 V	293	15.00	45.10
4	#10638.00	44.30 AV	54.00	-9.70	1.19 V	293	-0.70	45.10
5	#15959.00	60.30 PK	74.00	-13.70	1.34 V	49	14.10	46.20
5	#15959.00	46.70 AV	54.00	-7.30	1.34 V	49	0.50	46.20

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	9
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Hardaway Lee

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	60.40 PK	71.30	-10.90	1.18 H	183	23.30	37.10
2	5725.00	68.30 PK	81.30	-13.00	1.18 H	183	31.20	37.10
3	*5745.00	94.90 PK			1.18 H	183	57.80	37.10
3	*5745.00	84.50 AV			1.18 H	183	47.40	37.10
4	#11489.00	60.40 PK	74.00	-13.60	1.31 H	94	14.70	45.80
4	#11489.00	46.90 AV	54.00	-7.10	1.31 H	94	1.20	45.80

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	62.50 PK	71.30	-8.80	1.09 V	360	25.40	37.10
2	5725.00	73.80 PK	81.30	-7.50	1.09 V	360	36.70	37.10
3	*5745.00	108.30 PK			1.09 V	360	71.10	37.10
3	*5745.00	98.20 AV			1.09 V	360	61.00	37.10
4	#11489.00	63.50 PK	74.00	-10.50	1.25 V	134	17.70	45.80
4	#11489.00	50.50 AV	54.00	-3.50	1.25 V	134	4.70	45.80

#### REMARKS:

7. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
8. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
9. The other emission levels were very low against the limit.
10. Margin value = Emission level – Limit value.
11. "\*" : Fundamental frequency
12. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	12
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Hardaway Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	99.3 PK			1.86 H	19	62.10	37.20
1	*5805.00	88.9 AV			1.86 H	19	51.70	37.20
2	5825.00	70.3 PK	81.30	-11.00	1.86 H	19	33.00	37.30
3	5835.00	62.1 PK	71.30	-9.20	1.86 H	19	24.80	37.30
4	#11604.00	59.3 PK	74.00	-14.70	1.12H	88	13.60	45.70
4	#11604.00	45.6 AV	54.00	-8.40	1.12H	88	-0.1	45.70

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	106.50 PK			1.03 V	330	69.30	37.20
1	*5805.00	96.80 AV			1.03 V	330	59.60	37.20
2	5825.00	75.40 PK	81.30	-5.90	1.03 V	330	38.10	37.30
3	5835.00	60.30 PK	71.30	-11.00	1.03 V	330	23.00	37.30
4	#11604.00	65.10 PK	74.00	-8.90	1.22 V	113	19.50	45.70
4	#11604.00	50.90 AV	54.00	-3.10	1.22 V	113	5.30	45.70

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “\*” : Fundamental frequency
6. “# “ : The radiated frequency falling in the restricted band.



5.2.10 TEST RESULTS (MODE 2)

**NORMAL MODE**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	1
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Jun Wu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	49.21 PK	74.00	-24.79	1.17 H	283	13.01	36.20
2	*5180.00	99.51 PK			1.17 H	283	63.26	36.25
2	*5180.00	90.15 AV			1.17 H	283	53.90	36.25
3	6851.00	55.86 PK	73.30	-17.44	1.45 H	196	15.86	39.99
4	10360.00	55.95 PK	73.30	-17.35	1.52 H	224	11.45	44.50
5	#15542.00	62.12 PK	74.00	-11.88	1.27 H	322	15.38	46.74
5	#15542.00	48.18 AV	54.00	-5.82	1.27 H	322	1.44	46.74

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	48.50 PK	74.00	-25.50	1.00 V	360	12.30	36.20
2	*5180.00	98.80 PK			1.00 V	360	62.55	36.25
2	*5180.00	90.93 AV			1.00 V	360	54.68	36.25
3	6796.00	59.06 PK	73.30	-14.24	1.16 V	174	19.27	39.79
4	10375.00	56.43 PK	73.30	-16.87	1.52 V	2	11.90	44.52
5	#15540.00	65.33 PK	74.00	-8.67	1.23 V	331	18.59	46.74
5	#15540.00	51.53 AV	54.00	-2.47	1.23 V	331	4.79	46.74

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	4
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Jun Wu

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	97.39 PK			1.99 H	259	61.06	36.33
1	*5240.00	88.26 AV			1.99 H	259	51.93	36.33
2	10479.00	61.57 PK	73.30	-11.73	1.39 H	3	16.87	44.70
3	#15718.00	60.33 PK	74.00	-13.67	1.56 H	271	13.82	46.51

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	101.17 PK			1.00 V	89	64.84	36.33
1	*5240.00	91.72 AV			1.00 V	89	55.39	36.33
2	10480.00	58.40 PK	73.30	-14.90	1.77 V	332	13.70	44.70
3	#15717.00	62.62 PK	74.00	-11.38	1.35 V	300	16.11	46.51
3	#15717.00	49.93 AV	54.00	-4.07	1.35 V	300	3.42	46.51

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	5
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Jun Wu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	95.91 PK			1.82 H	269	59.55	36.36
1	*5260.00	87.08 AV			1.82 H	269	50.72	36.36
2	#15780.00	60.41 PK	74.00	-13.59	1.38 H	335	13.97	46.43
2	#15780.00	48.01 AV	54.00	-5.99	1.38 H	335	1.57	46.43

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	98.57 PK			1.98 V	305	62.21	36.36
1	*5260.00	90.53 AV			1.98 V	305	54.17	36.36
2	#15780.00	63.58 PK	74.00	-10.42	1.33 V	264	17.14	46.43
2	#15780.00	49.19 AV	54.00	-4.81	1.33 V	264	2.75	46.43

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	8
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Jun Wu

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	96.71 PK			1.75 H	295	60.27	36.44
1	*5320.00	86.50 AV			1.75 H	295	50.06	36.44
2	#5350.00	44.98 PK	74.00	-29.02	1.75 H	295	8.49	36.49
3	#10640.00	56.15 PK	74.00	-17.85	1.54 H	226	11.07	45.08
3	#10640.00	41.83 AV	54.00	-12.17	1.54 H	226	-3.25	45.08
4	#15960.00	60.35 PK	74.00	-13.65	1.27 H	332	14.15	46.20
4	#15960.00	47.35 AV	54.00	-6.65	1.27 H	332	1.15	46.20

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	99.05 PK			1.01 V	258	62.61	36.44
1	*5320.00	88.99 AV			1.01 V	258	52.55	36.44
2	#5350.00	47.33 PK	74.00	-26.67	1.01 V	258	10.84	36.49
3	#10640.00	56.05 PK	74.00	-17.95	1.48 V	24	10.97	45.08
3	#10640.00	42.89 AV	54.00	-11.11	1.48 V	24	-2.19	45.08
4	#15959.00	61.05 PK	74.00	-12.95	1.14 V	356	14.85	46.20
4	#15959.00	48.75 AV	54.00	-5.25	1.14 V	356	2.55	46.20

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	9
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Jun Wu

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	66.74 PK	73.30	-6.56	1.93 H	282	29.66	37.08
2	5725.00	68.09 PK	83.30	-15.21	1.93 H	282	30.99	37.10
3	*5745.00	99.99 PK			1.93 H	282	62.86	37.13
3	*5745.00	90.29 AV			1.93 H	282	53.16	37.13
4	#11490.00	57.15 PK	74.00	-16.85	1.52 H	12	11.40	45.75
4	#11490.00	43.61 AV	54.00	-10.39	1.52 H	12	-2.14	45.75

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5710.00	65.80 PK	73.30	-7.50	1.69 V	13	28.73	37.07
2	5725.00	71.90 PK	83.30	-11.40	1.69 V	13	34.80	37.10
3	*5745.00	102.40 PK			1.69 V	13	65.27	37.13
3	*5745.00	93.12 AV			1.69 V	13	55.99	37.13
4	#11490.00	58.31 PK	74.00	-15.69	1.24 V	335	12.56	45.75
4	#11490.00	44.41 AV	54.00	-9.59	1.24 V	335	-1.34	45.75

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.





<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	12
<b>ENVIRONMENTAL CONDITIONS</b>	30deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Jun Wu

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	98.73 PK			1.79 H	300	61.49	37.24
1	*5805.00	87.96 AV			1.79 H	300	50.72	37.24
2	5825.00	68.16 PK	83.30	-15.14	1.79 H	300	30.89	37.27
3	5835.00	66.54 PK	73.30	-6.76	1.79 H	300	29.25	37.29
4	#11610.00	57.88 PK	74.00	-16.12	1.56 H	35	12.24	45.64
4	#11610.00	44.98 AV	54.00	-9.02	1.56 H	35	-0.66	45.64

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	102.64 PK			1.61 V	360	65.40	37.24
1	*5805.00	94.56 AV			1.61 V	360	57.32	37.24
2	5825.00	71.19 PK	83.30	-12.11	1.61 V	360	33.92	37.27
3	5835.00	66.80 PK	73.30	-6.50	1.61 V	360	29.51	37.29
4	#11610.00	60.68 PK	74.00	-13.32	1.37 V	2	15.04	45.64
4	#11610.00	48.98 AV	54.00	-5.02	1.37 V	2	3.34	45.64

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



5.2.11 TEST RESULTS (MODE 2)

**Turbo Mode**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	1
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	48.04 PK	74.00	-25.96	1.20 H	36	9.50	38.54
2	*5210.00	94.63 PK			1.20 H	36	55.95	38.68
2	*5210.00	83.33 AV			1.20 H	36	44.65	38.68
3	10420.00	57.66 PK	73.30	-15.64	1.00 H	189	12.76	44.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	50.86 PK	74.00	-23.14	1.59 V	170	12.32	38.54
2	*5210.00	97.45 PK			1.59 V	170	58.77	38.68
2	*5210.00	84.68 AV			1.59 V	170	46.00	38.68
3	10420.00	59.22 PK	73.30	-14.08	1.23 V	84	14.32	44.90

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “\*” : Fundamental frequency
6. “#” : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	2
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5250.00	93.75 PK			1.54 H	132	55.01	38.74
1	*5250.00	82.38 AV			1.54 H	132	43.64	38.74
2	10500.00	57.30 PK	73.30	-16.00	1.00 H	338	12.23	45.07

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5250.00	98.98 PK			1.24 V	25	60.24	38.74
1	*5250.00	88.22 AV			1.24 V	25	49.48	38.74
2	10500.00	56.08 PK	73.30	-17.22	1.05 V	87	11.01	45.07

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	3
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	93.12 PK			1.00 H	58	54.33	38.79
1	*5290.00	85.80 AV			1.00 H	58	47.01	38.79
2	#5350.00	44.59 PK	74.00	-29.41	1.00 H	58	5.72	38.87
3	10580.00	58.50 PK	73.30	-14.80	1.07 H	23	13.24	45.25

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	96.32 PK			1.53 V	105	57.53	38.79
1	*5290.00	86.74 AV			1.53 V	105	47.95	38.79
2	#5350.00	47.79 PK	74.00	-26.21	1.53 V	105	8.92	38.87
3	10580.00	59.59 PK	73.30	-13.71	1.00 V	0	14.33	45.25

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	4
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	60.10 PK	73.30	-13.20	1.30 H	166	20.51	39.59
2	5725.00	75.01 PK	83.30	-8.29	1.30 H	166	35.40	39.61
3	*5760.00	94.84 PK			1.30 H	166	55.14	39.70
3	*5760.00	86.66 AV			1.30 H	166	46.96	39.70
4	#11520.00	62.34 PK	74.00	-11.66	1.30 H	325	16.44	45.90
4	#11520.00	47.21 AV	54.00	-6.79	1.30 H	325	1.31	45.90

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	61.20 PK	73.30	-12.10	1.14 V	333	21.61	39.59
2	5725.00	75.21 PK	83.30	-8.09	1.14 V	333	35.60	39.61
3	*5760.00	98.93 PK			1.14 V	333	59.23	39.70
3	*5760.00	88.34 AV			1.14 V	333	48.64	39.70
4	#11520.00	66.43 PK	74.00	-7.57	1.35 V	347	20.53	45.90
4	#11520.00	51.48 AV	54.00	-2.52	1.35 V	347	5.58	45.90

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	5
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5800.00	93.69 PK			1.54 H	151	53.90	39.79
1	*5800.00	85.43 AV			1.54 H	151	45.64	39.79
2	5825.00	73.86 PK	83.30	-9.44	1.54 H	151	34.11	39.75
3	5835.00	59.70 PK	73.30	-13.60	1.54 H	151	19.96	39.74
4	#11600.00	60.66 PK	74.00	-13.34	1.40 H	136	14.81	45.85
4	#11600.00	48.33 AV	54.00	-5.67	1.40 H	136	2.48	45.85

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5800.00	98.59 PK			1.15 V	332	58.80	39.79
1	*5800.00	86.75 AV			1.15 V	332	46.96	39.79
2	5825.00	76.12 PK	83.30	-7.18	1.15 V	332	36.37	39.75
3	5835.00	60.50 PK	73.30	-12.80	1.15 V	332	20.76	39.74
4	#11600.00	61.30 PK	74.00	-12.70	1.39 V	172	15.45	45.85
4	#11600.00	47.51 AV	54.00	-6.49	1.39 V	172	1.66	45.85

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



5.2.12 TEST RESULTS (MODE 3)

**NORMAL MODE**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	1
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	44.45 PK	74.00	-29.55	1.36 H	224	5.91	38.54
2	*5180.00	94.94 PK			1.36 H	224	56.32	38.62
2	*5180.00	85.52 AV			1.36 H	224	46.90	38.62
3	10359.00	59.67 PK	71.30	-11.63	1.09 H	82	14.80	44.87
4	#15540.00	62.02 PK	74.00	-11.98	1.16 H	247	15.03	46.98
4	#15540.00	46.02 AV	54.00	-7.98	1.16 H	247	-0.97	46.98

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	46.88 PK	74.00	-27.12	1.35 V	133	8.34	38.54
2	*5180.00	97.37 PK			1.35 V	133	58.75	38.62
2	*5180.00	86.17 AV			1.35 V	133	47.55	38.62
3	10357.00	59.28 PK	71.30	-12.02	1.17 V	360	14.41	44.87
4	#15540.00	66.05 PK	74.00	-7.95	1.16 V	198	19.06	46.98
4	#15540.00	50.16 AV	54.00	-3.84	1.16 V	198	3.17	46.98

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “\*” : Fundamental frequency
6. “#” : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	4
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	95.61 PK			1.16 H	271	56.89	38.72
1	*5240.00	84.07 AV			1.16 H	271	45.35	38.72
2	10480.00	61.05 PK	71.30	-10.25	1.26 H	58	16.02	45.03
3	#15720.00	61.89 PK	74.00	-12.11	1.09 H	45	15.38	46.51
3	#15720.00	46.57 AV	54.00	-7.43	1.09 H	45	0.06	46.51

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	99.32 PK			1.21 V	0	60.60	38.72
1	*5240.00	89.72 AV			1.21 V	0	51.00	38.72
2	10480.00	59.29 PK	71.30	-12.01	1.21 V	0	14.26	45.03
3	#15720.00	64.95 PK	74.00	-9.05	1.15 V	143	18.44	46.51
3	#15720.00	49.21 AV	54.00	-4.79	1.15 V	143	2.70	46.51

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.





<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	5
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	94.52 PK			1.60 H	19	55.77	38.75
1	*5260.00	82.87 AV			1.60 H	19	44.12	38.75
2	10520.00	55.96 PK	71.30	-15.34	1.33 H	199	10.85	45.12
3	#15780.00	66.13 PK	74.00	-7.87	1.48 H	290	19.86	46.27
3	#15780.00	50.77 AV	54.00	-3.23	1.48 H	290	4.50	46.27

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	101.63 PK			1.61 V	226	62.88	38.75
1	*5260.00	90.73 AV			1.61 V	226	51.98	38.75
2	10520.00	57.46 PK	71.30	-13.84	1.23 V	21	12.35	45.12
3	#15780.00	65.98 PK	74.00	-8.02	1.15 V	247	19.72	46.25
3	#15780.00	51.54 AV	54.00	-2.46	1.15 V	247	5.28	46.25

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	8
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	97.37 PK			1.10 H	232	58.54	38.83
1	*5320.00	84.25 AV			1.10 H	232	45.42	38.83
2	#5350.00	45.93 PK	74.00	-28.07	1.10 H	232	7.06	38.87
3	#10640.00	58.80 PK	74.00	-15.20	1.06 H	117	13.50	45.31
3	#10640.00	44.36 AV	54.00	-9.64	1.06 H	117	-0.94	45.31
4	#15960.00	61.35 PK	74.00	-12.65	1.09 H	333	14.41	46.93
4	#15960.00	46.22 AV	54.00	-7.78	1.09 H	333	-0.72	46.93

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	99.12 PK			1.41 V	226	60.29	38.83
1	*5320.00	89.43 AV			1.41 V	226	50.60	38.83
2	#5350.00	47.68 PK	74.00	-26.32	1.20 V	236	8.81	38.87
3	#10640.00	60.91 PK	74.00	-13.09	1.24 V	360	15.61	45.31
3	#10640.00	45.93 AV	54.00	-8.07	1.24 V	360	0.63	45.31
4	#15960.00	65.54 PK	74.00	-8.46	1.20 V	236	18.60	46.93
4	#15960.00	50.02 AV	54.00	-3.98	1.20 V	236	3.08	46.93

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	9
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	59.70 PK	71.30	-11.60	1.03 H	145	20.11	39.59
2	5725.00	72.48 PK	81.30	-8.82	1.03 H	145	32.87	39.61
3	*5745.00	89.48 PK			1.03 H	145	49.82	39.66
3	*5745.00	77.68 AV			1.03 H	145	38.02	39.66
4	#11490.00	50.16 PK	74.00	-23.84	1.32 H	47	4.23	45.93
4	#11490.00	34.40 AV	54.00	-19.60	1.32 H	47	-11.53	45.93

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	60.30 PK	71.30	-11.00	1.25 V	36	20.71	39.59
2	5725.00	73.27 PK	81.30	-8.03	1.25 V	36	33.66	39.61
3	*5745.00	94.04 PK			1.03 V	162	54.38	39.66
3	*5745.00	83.56 AV			1.03 V	162	43.90	39.66
4	#11490.00	66.04 PK	74.00	-7.96	1.03 V	162	20.12	45.93
4	#11490.00	51.74 AV	54.00	-2.26	1.03 V	162	5.82	45.93

#### REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	12
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	92.51 PK			1.67 H	244	52.73	39.78
1	*5805.00	82.63 AV			1.67 H	244	42.85	39.78
2	5825.00	72.06 PK	81.30	-9.24	1.67 H	244	32.31	39.75
3	5835.00	58.60 PK	71.30	-12.70	1.03 H	145	18.86	39.74
4	#11610.00	60.36 PK	74.00	-13.64	1.03 H	145	14.48	45.89
4	#11610.00	44.26 AV	54.00	-9.74	1.03 H	145	-1.62	45.89

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	96.90 PK			1.40 V	224	57.12	39.78
1	*5805.00	85.63 AV			1.40 V	224	45.85	39.78
2	5825.00	73.61 PK	81.30	-7.69	1.40 V	224	33.86	39.75
3	5835.00	61.30 PK	71.30	-10.00	1.20 V	36	21.56	39.74
4	#11610.00	65.46 PK	74.00	-8.54	1.11 V	161	19.58	45.89
4	#11610.00	51.76 AV	54.00	-2.24	1.11 V	161	5.88	45.89

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



5.2.13 TEST RESULTS (MODE 4)

**NORMAL MODE**

<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	1
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5150.00	43.32 PK	74.00	-30.68	1.00 H	54	4.78	38.54
2	*5180.00	93.81 PK			1.00 H	54	55.19	38.62
2	*5180.00	82.36 AV			1.00 H	54	43.74	38.62
3	10360.00	59.23 PK	69.80	-10.57	1.30 H	350	14.36	44.87
4	#15540.00	62.73 PK	74.00	-11.27	1.25 H	56	15.74	46.98
4	#15540.00	47.72 AV	54.00	-6.28	1.25 H	56	0.73	46.98

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	47.36 PK	74.00	-26.64	1.00 V	162	8.82	38.54
2	*5180.00	97.85 PK			1.00 V	162	59.23	38.62
2	*5180.00	86.45 AV			1.00 V	162	47.83	38.62
3	10360.00	60.01 PK	69.80	-9.79	1.00 V	45	15.14	44.87
4	#15540.00	66.36 PK	74.00	-7.64	1.19 V	37	19.37	46.98
4	#15540.00	50.92 AV	54.00	-3.08	1.19 V	37	3.93	46.98

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	4
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	95.09 PK			1.05 H	51	56.26	38.83
1	*5320.00	84.90 AV			1.05 H	51	46.07	38.83
2	10480.00	59.22 PK	69.80	-10.58	1.20 H	349	14.19	45.03
3	#15728.00	65.27 PK	74.00	-8.73	1.36 H	37	18.79	46.48
3	#15728.00	48.46 AV	54.00	-5.54	1.36 H	37	1.98	46.48

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	96.63 PK			1.31 V	96	57.91	38.72
1	*5240.00	84.95 AV			1.31 V	96	46.23	38.72
2	10478.00	61.80 PK	69.80	-8.00	1.18 V	24	16.78	45.02
3	#15728.00	64.83 PK	74.00	-9.17	1.20 V	156	18.31	46.52
3	#15728.00	49.98 AV	54.00	-4.02	1.20 V	156	3.46	46.52

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	5
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	94.95 PK			1.54 H	265	56.20	38.75
1	*5260.00	83.81 AV			1.54 H	265	45.06	38.75
2	10520.00	58.98 PK	69.80	-10.82	1.32 H	14	13.87	45.12
3	#15780.00	64.76 PK	74.00	-9.24	1.12 H	57	18.49	46.27
3	#15780.00	48.94 AV	54.00	-5.06	1.12 H	57	2.67	46.27

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	96.81 PK			1.12 V	138	58.06	38.75
1	*5260.00	86.40 AV			1.12 V	138	47.65	38.75
2	10520.00	60.25 PK	69.80	-9.55	1.25 V	28	15.14	45.12
3	#15780.00	67.18 PK	74.00	-6.82	1.10 V	158	20.91	46.27
3	#15780.00	50.24 AV	54.00	-3.76	1.10 V	158	3.97	46.27

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	8
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	94.53 PK			1.25 H	57	55.70	38.83
1	*5320.00	82.33 AV			1.25 H	57	43.50	38.83
2	#5350.00	43.09 PK	74.00	-30.91	1.25 H	57	4.22	38.87
3	#10640.00	60.68 PK	74.00	-13.32	1.34 H	356	15.38	45.31
3	#10640.00	47.27 AV	54.00	-6.73	1.34 H	356	1.97	45.31
4	#15960.00	63.56 PK	74.00	-10.44	1.39 H	91	16.62	46.93
4	#15960.00	48.12 AV	54.00	-5.88	1.39 H	91	1.18	46.93

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	96.31 PK			1.57 V	255	57.48	38.83
1	*5320.00	85.64 AV			1.57 V	255	46.81	38.83
2	#5350.00	44.87 PK	74.00	-29.13	1.57 V	255	6.00	38.87
3	#10640.00	62.20 PK	74.00	-11.80	1.58 V	54	16.89	45.31
3	#10640.00	47.35 AV	54.00	-6.65	1.58 V	54	2.04	45.31
4	#15960.00	67.16 PK	74.00	-6.84	1.10 V	49	20.22	46.93
4	#15960.00	50.86 AV	54.00	-3.14	1.10 V	49	3.92	46.93

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.





<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	9
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	57.60 PK	69.80	-12.20	1.20 H	25	18.01	39.59
2	5725.00	73.42 PK	79.80	-6.38	1.25 H	25	33.81	39.61
3	*5745.00	93.86 PK			1.25 H	25	54.20	39.66
3	*5745.00	81.34 AV			1.25 H	25	41.68	39.66
4	#11490.00	61.28 PK	74.00	-12.72	1.05 H	57	15.36	45.93
4	#11490.00	48.18 AV	54.00	-5.82	1.05 H	57	2.26	45.93

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5715.00	58.30 PK	69.80	-11.50	1.35 V	158	18.71	39.59
2	5725.00	73.57 PK	79.80	-6.23	1.35 V	158	33.96	39.61
3	*5745.00	94.22 PK			1.35 V	158	54.56	39.66
3	*5745.00	82.33 AV			1.35 V	158	42.67	39.66
4	#11490.00	66.36 PK	74.00	-7.64	1.46 V	176	20.44	45.93
4	#11490.00	52.32 AV	54.00	-1.68	1.46 V	176	6.40	45.93

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>FREQUENCY RANGE</b>	Above 1000 MHz	<b>CHANNEL</b>	12
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 60%RH, 991hPa	<b>DETECTOR FUNCTION</b>	Peak(PK) Average (AV)
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60Hz	<b>TESTED BY</b>	Martin Lee

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	92.22 PK			1.25 H	47	52.44	39.78
1	*5805.00	79.75 AV			1.25 H	47	39.97	39.78
2	5825.00	70.43 PK	79.80	-9.37	1.25 H	47	30.68	39.75
3	5835.00	58.95 PK	69.80	-10.85	1.25 H	47	19.21	39.74
4	#11610.00	63.03 PK	74.00	-10.97	1.44 H	136	17.15	45.89
4	#11610.00	49.19 AV	54.00	-4.81	1.44 H	136	3.31	45.89

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5805.00	93.50 PK			1.05 V	175	53.72	39.78
1	*5805.00	81.81 AV			1.05 V	175	42.03	39.78
2	5825.00	71.30 PK	79.80	-8.50	1.05 V	175	31.55	39.75
3	5835.00	60.50 PK	69.80	-9.30	1.05 V	175	20.76	39.74
4	#11610.00	66.99 PK	74.00	-7.01	1.51 V	173	21.11	45.89
4	#11610.00	52.03 AV	54.00	-1.97	1.51 V	173	6.15	45.89

**REMARKS:**

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. "\*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



### 5.3 PEAK TRANSMIT POWER MEASUREMENT

#### 5.3.1 LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

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

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

#### 5.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	August 12, 2004

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



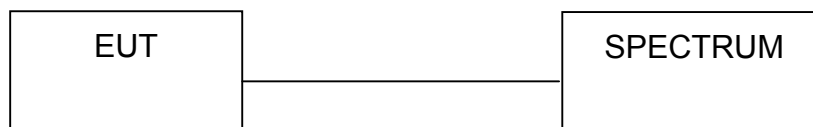
### 5.3.3 TEST PROCEDURE

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

**NORMAL(MODE 1、2)**

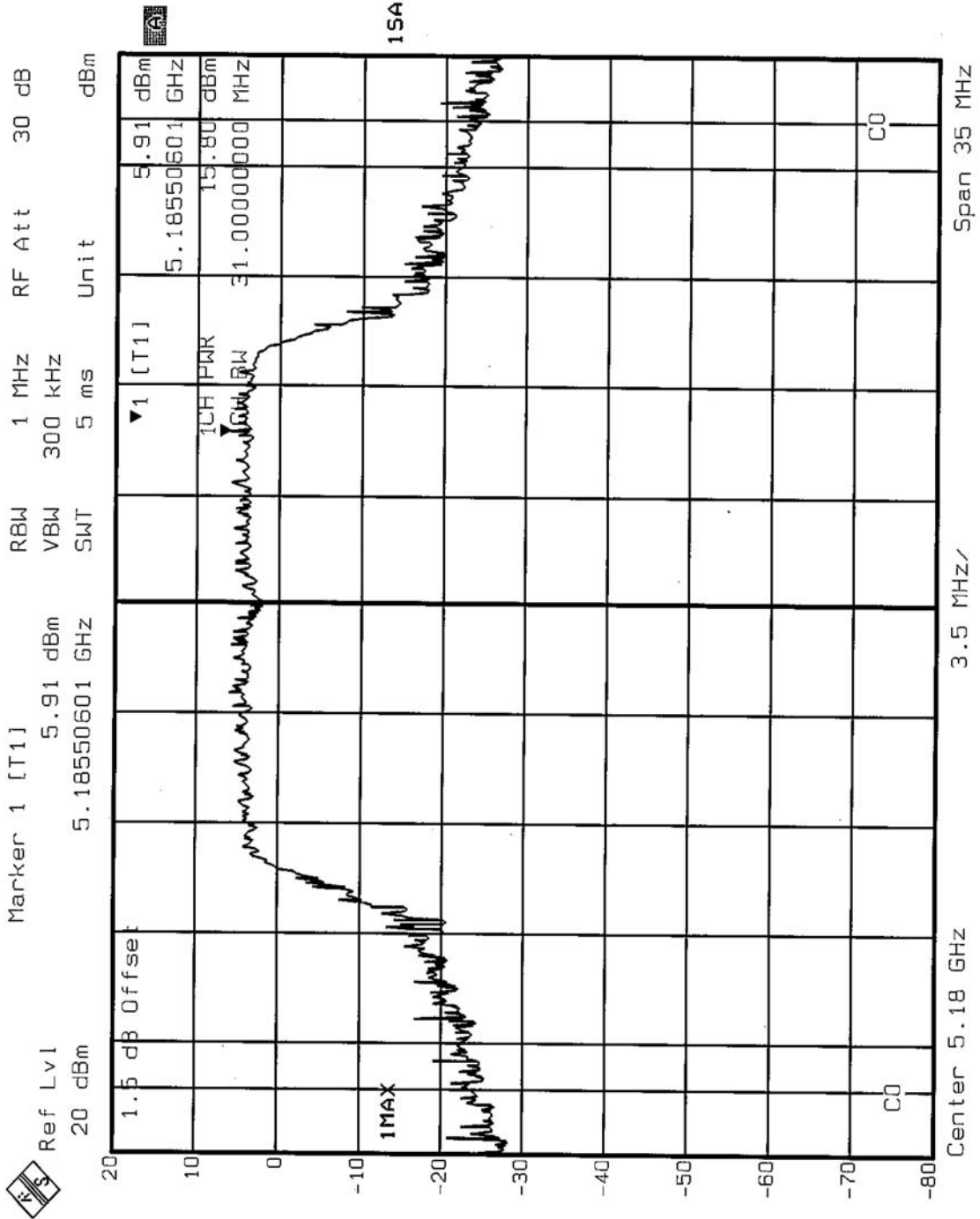
<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>ENVIRONMENTAL CONDITIONS</b>	24deg. C, 63%RH, 991hPa	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>TESTED BY</b>	Ansen Lei		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz)</b>	<b>PEAK POWER OUTPUT (dBm)</b>	<b>PEAK POWER LIMIT (dBm)</b>	<b>26dBc Occupied Bandwidth (MHz)</b>	<b>PASS/FAIL</b>
1	5180	15.80	17.00	28.38	PASS
4	5240	16.15	17.00	30.54	PASS
5	5260	16.52	24.00	27.25	PASS
8	5320	15.25	24.00	27.90	PASS
9	5745	15.01	30.00	25.73	PASS
12	5805	14.35	30.00	26.53	PASS

**NOTE:** For the plot of 26dBc Occupied Bandwidth and Peak Power Output value, please refer to the following pages.

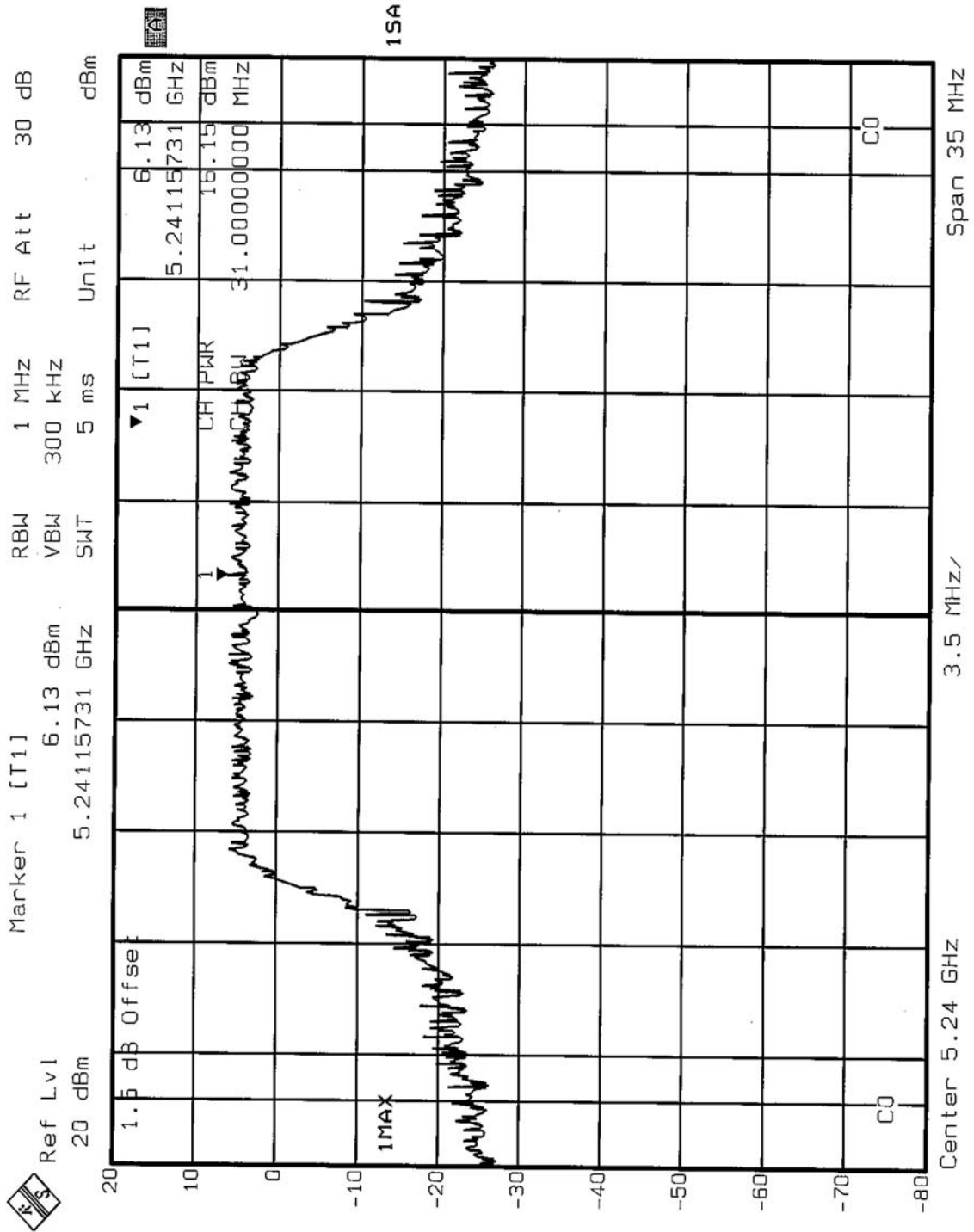


CH1



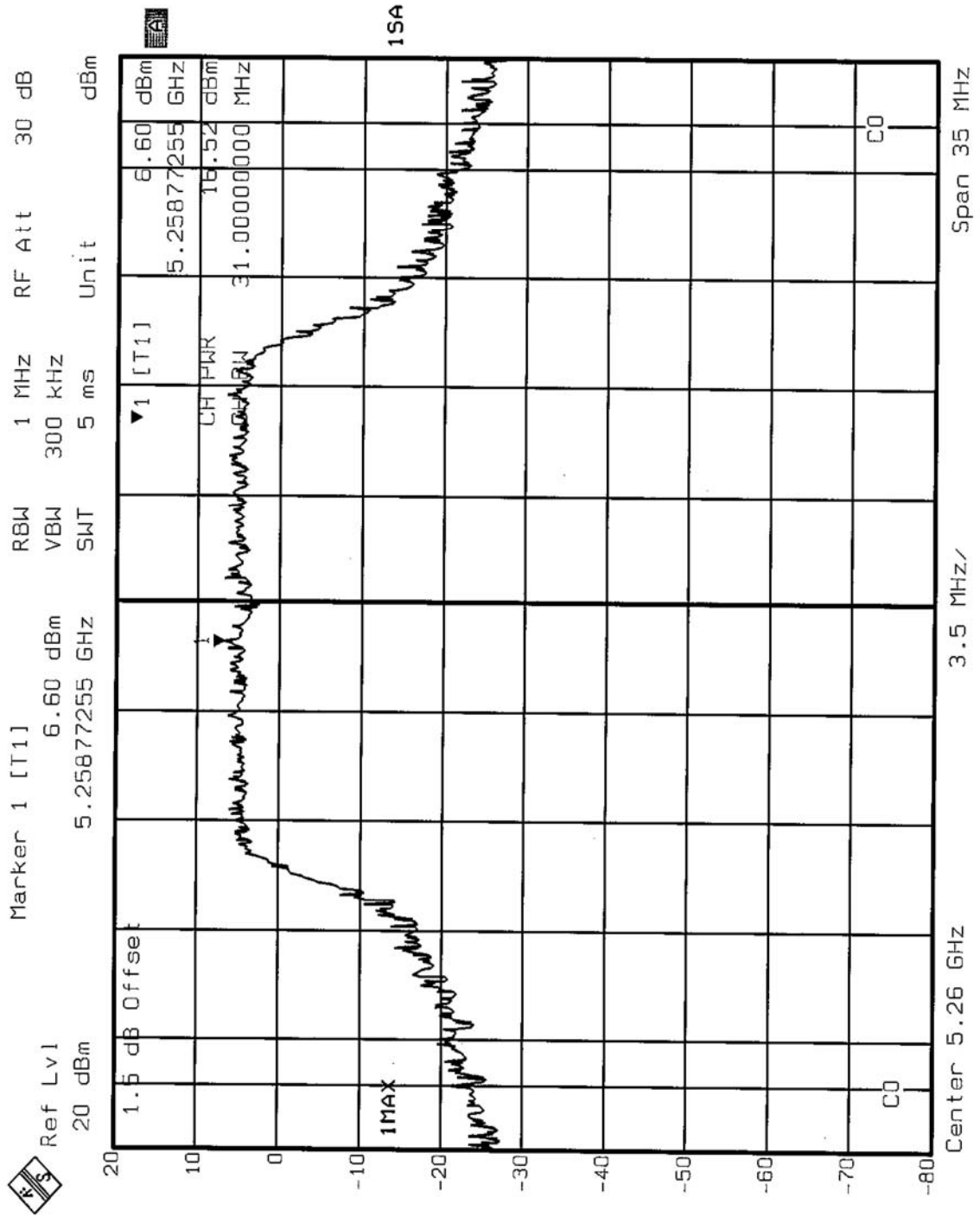


CH4





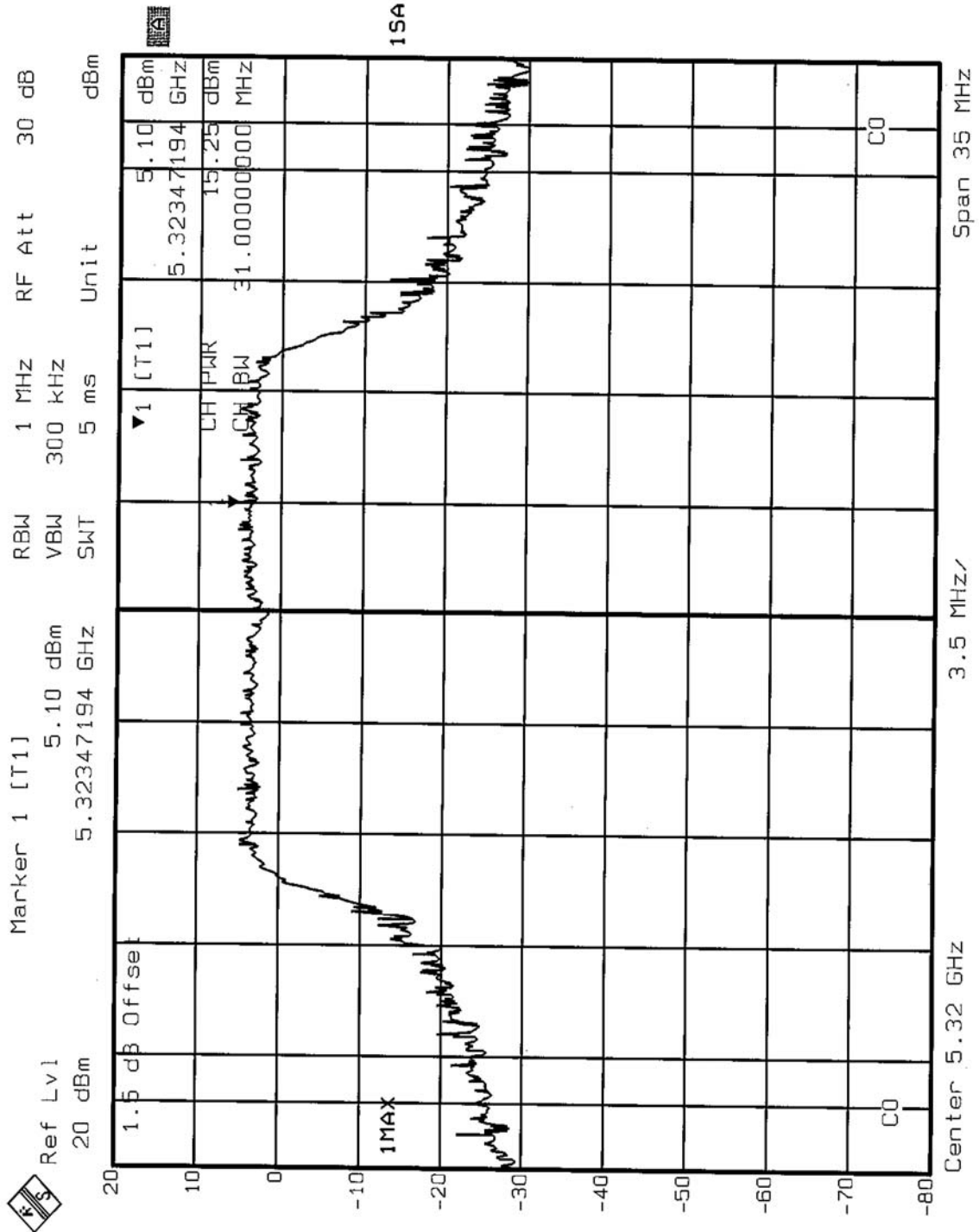
CH5





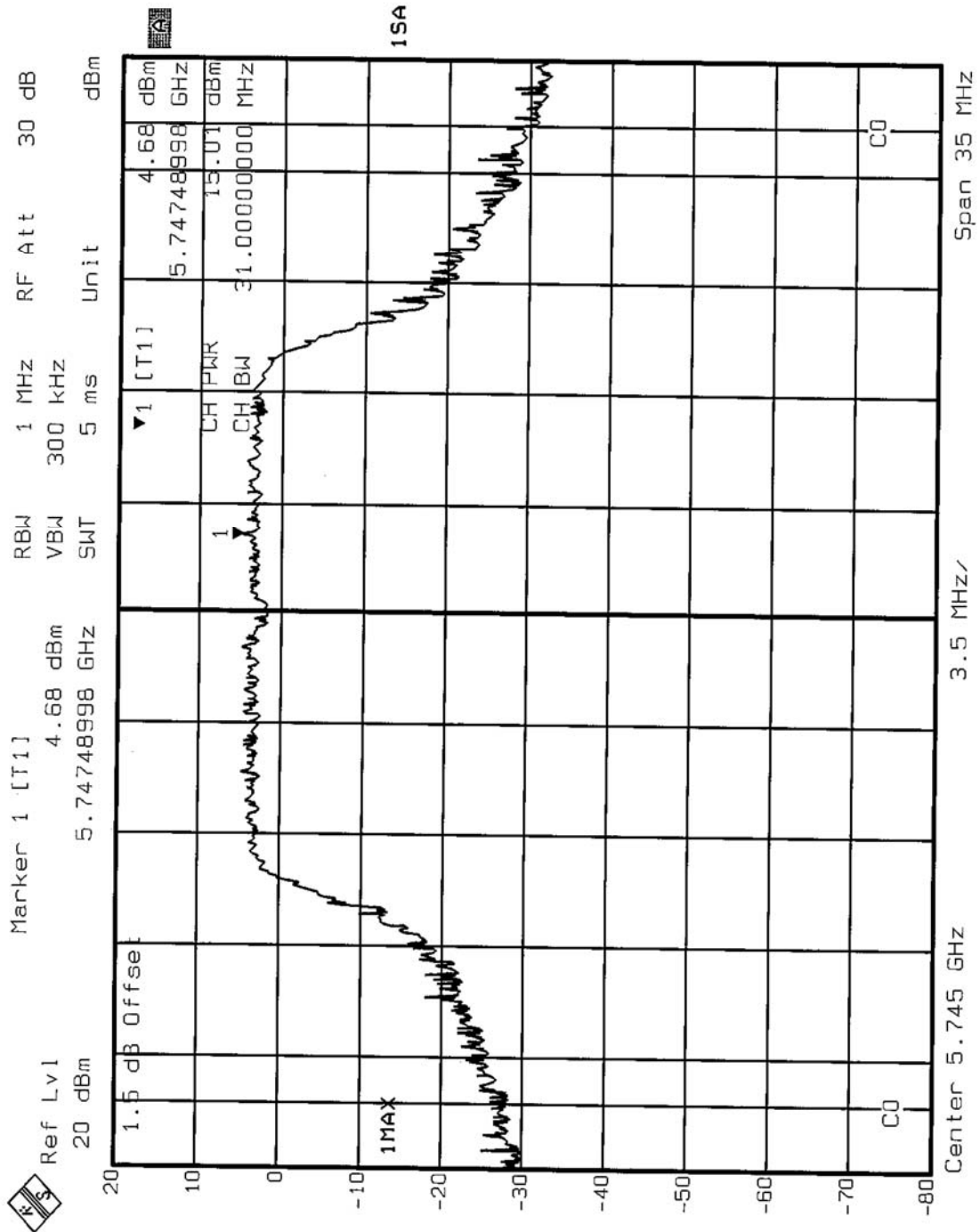


CH8



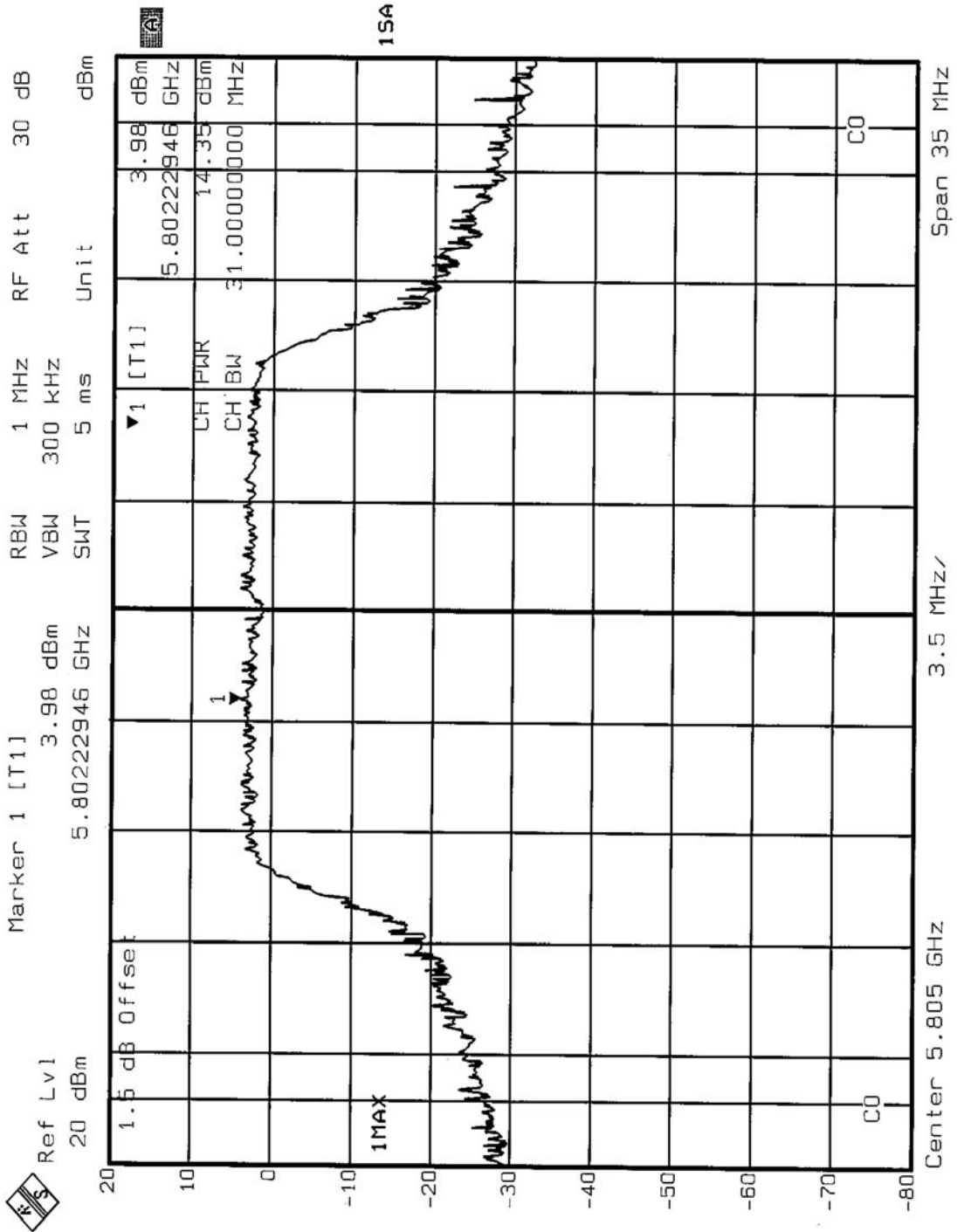


CH9



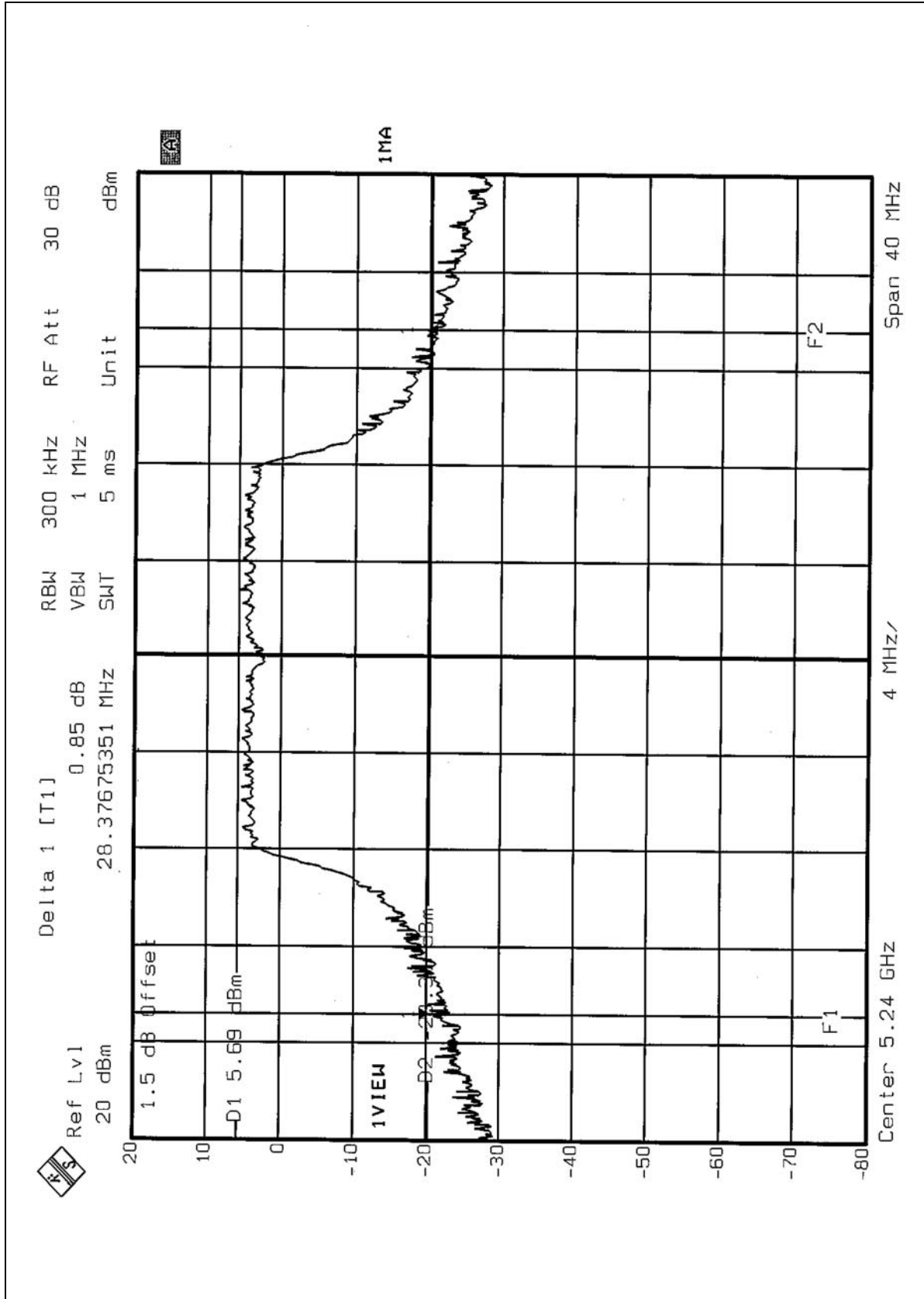


CH12



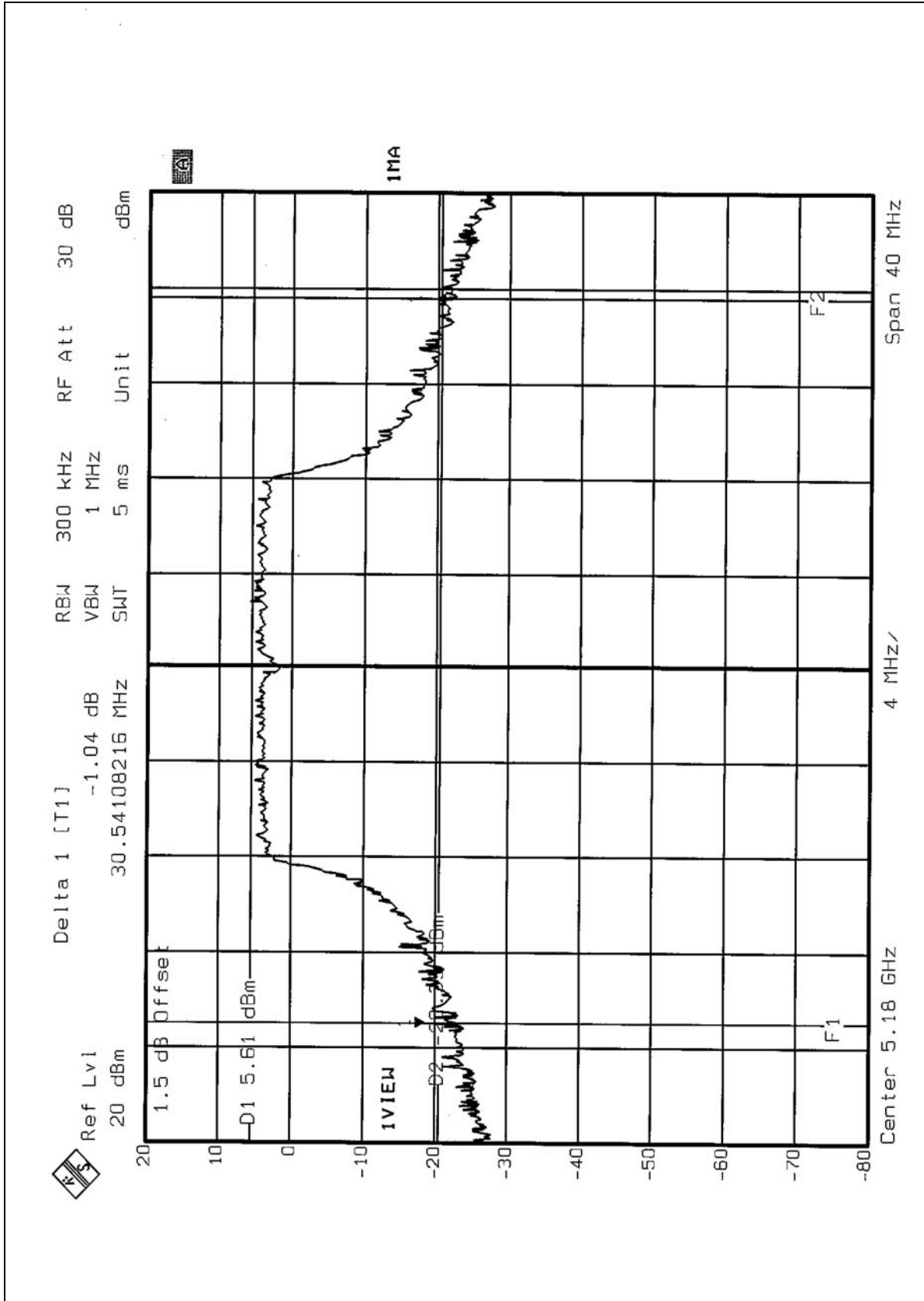


CH 1



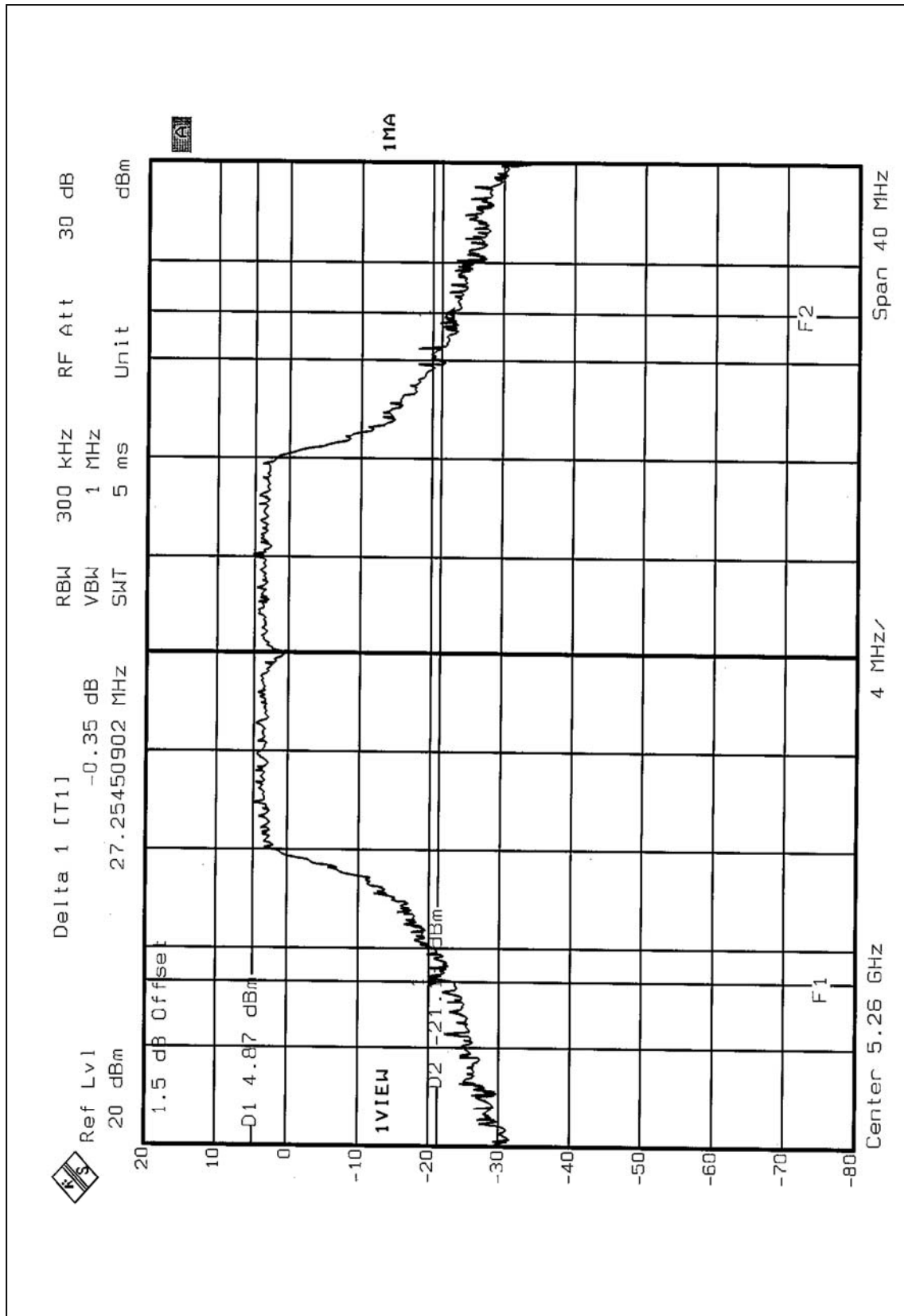


CH4



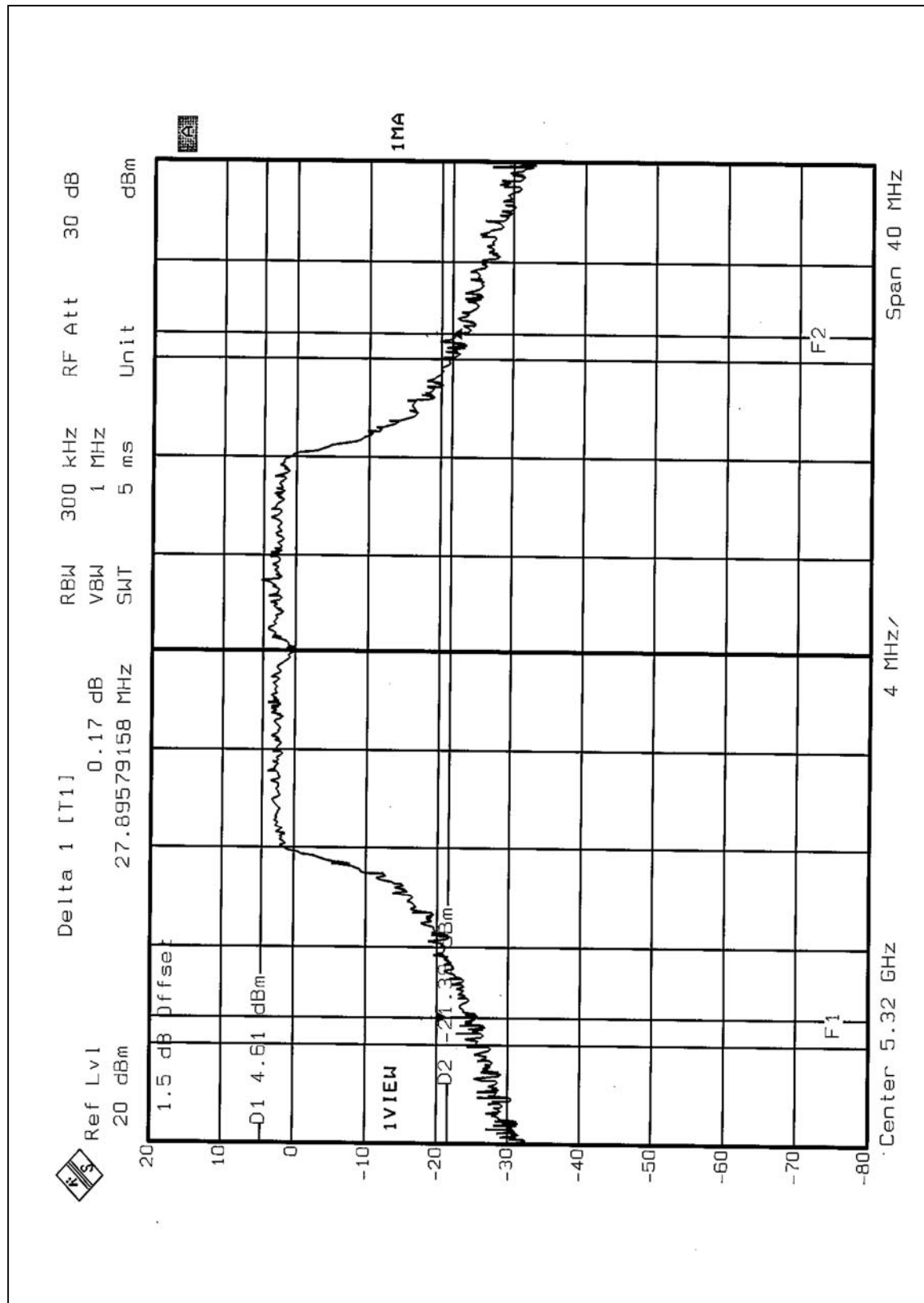


CH5



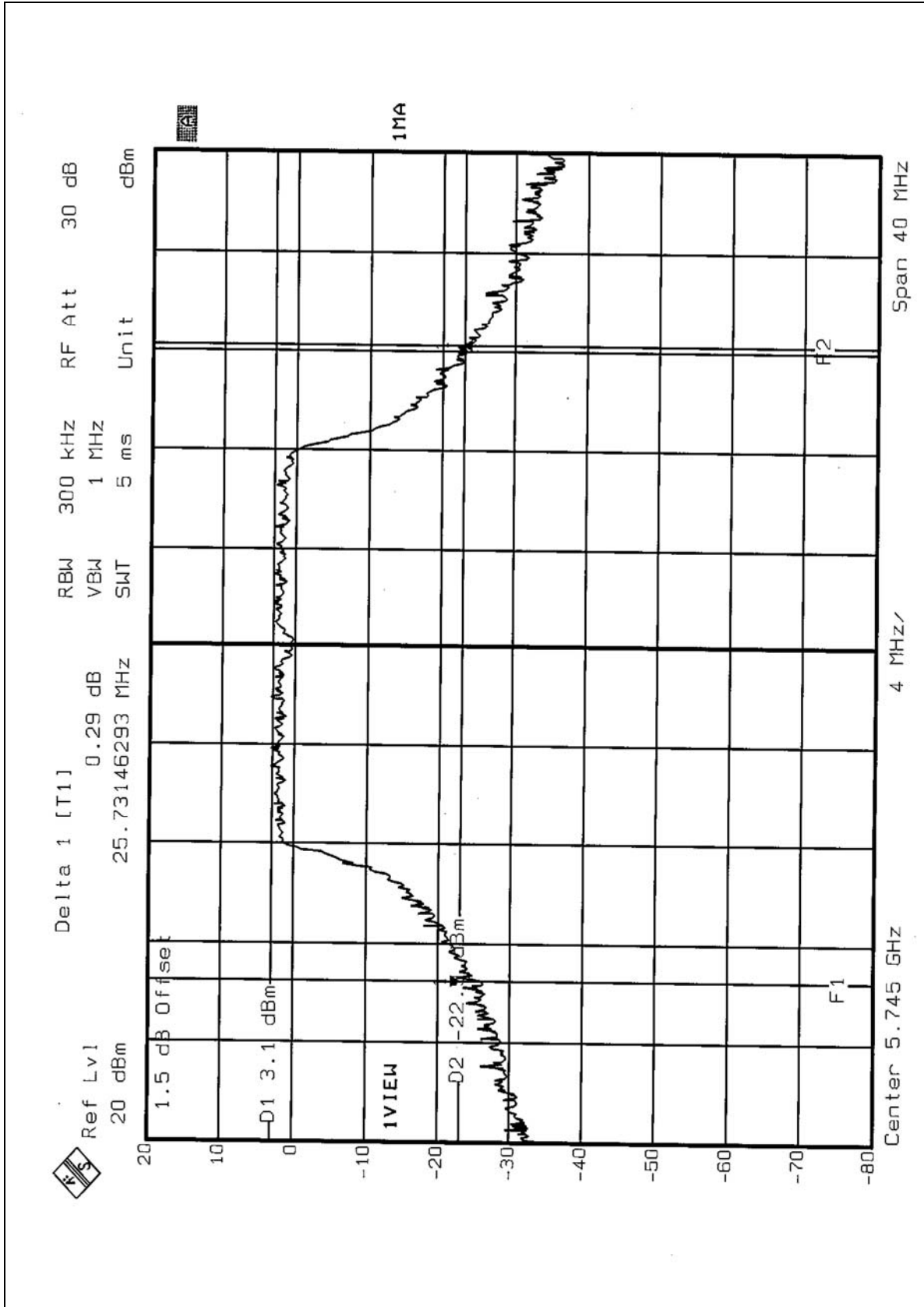


CH8





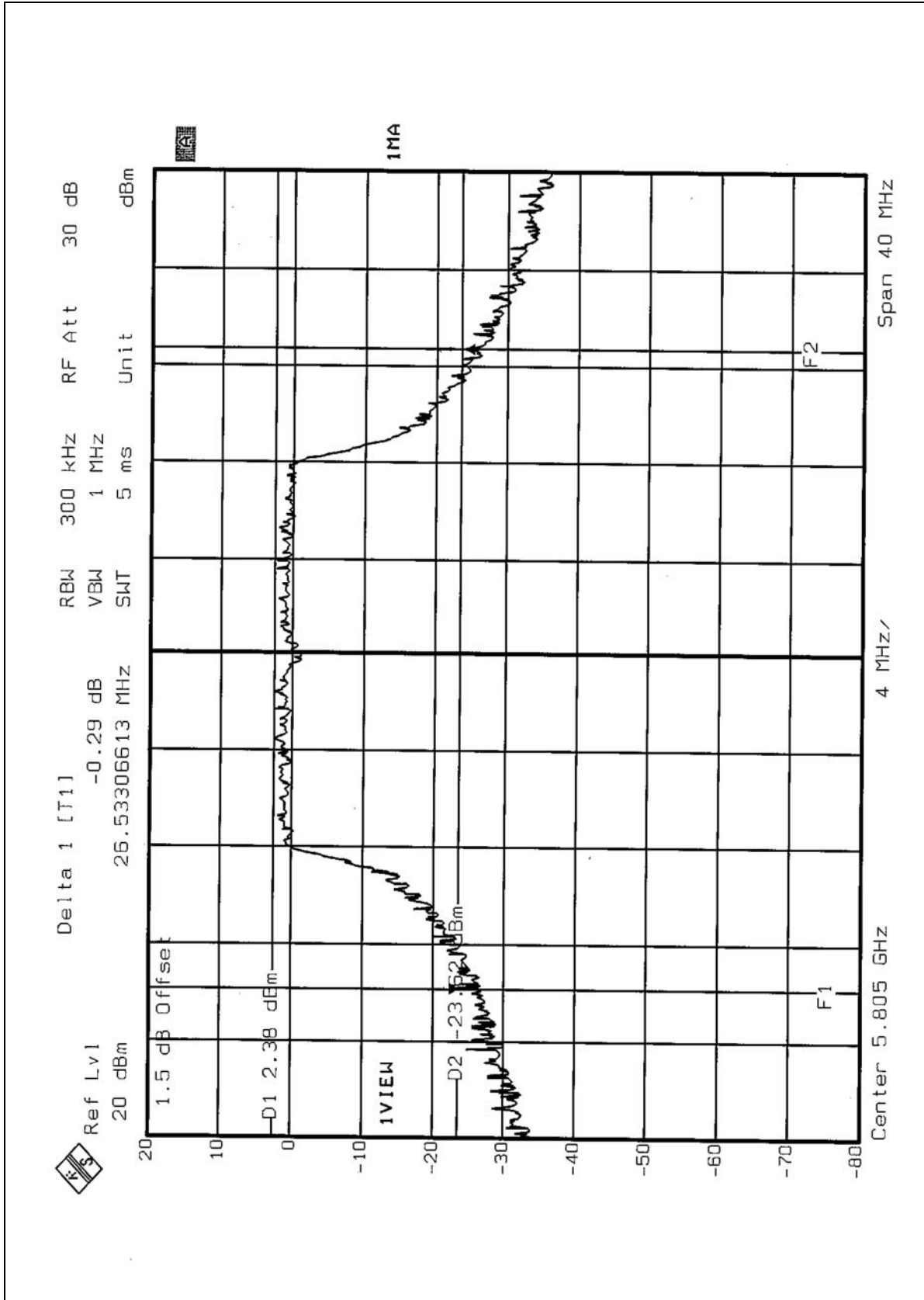
CH9







CH12



**TURBO MODE (MODE 2)**

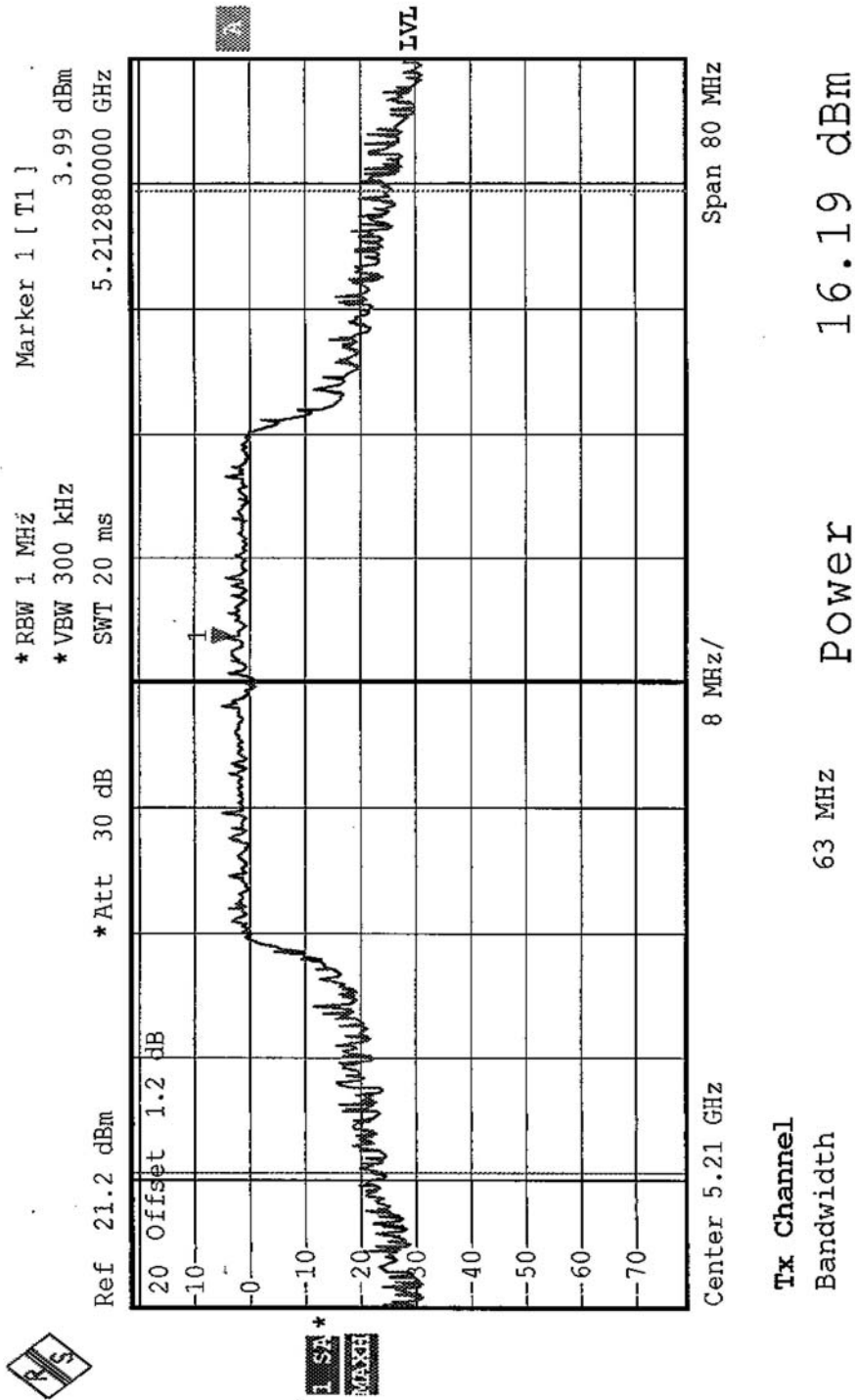
<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>ENVIRONMENTAL CONDITIONS</b>	24deg. C, 63%RH, 991hPa	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>TESTED BY</b>	Ansen Lei		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz)</b>	<b>PEAK POWER OUTPUT (dBm)</b>	<b>PEAK POWER LIMIT (dBm)</b>	<b>26dBc Occupied Bandwidth (MHz)</b>	<b>PASS/FAIL</b>
1	5210	16.19	17.00	62.92	PASS
2	5250	15.88	17.00	59.08	PASS
3	5290	16.02	24.00	59.08	PASS
4	5760	15.04	24.00	51.36	PASS
5	5800	13.55	30.00	52.30	PASS

**NOTE:** For the plot of 26dBc Occupied Bandwidth and Peak Power Output value, please refer to the following pages.

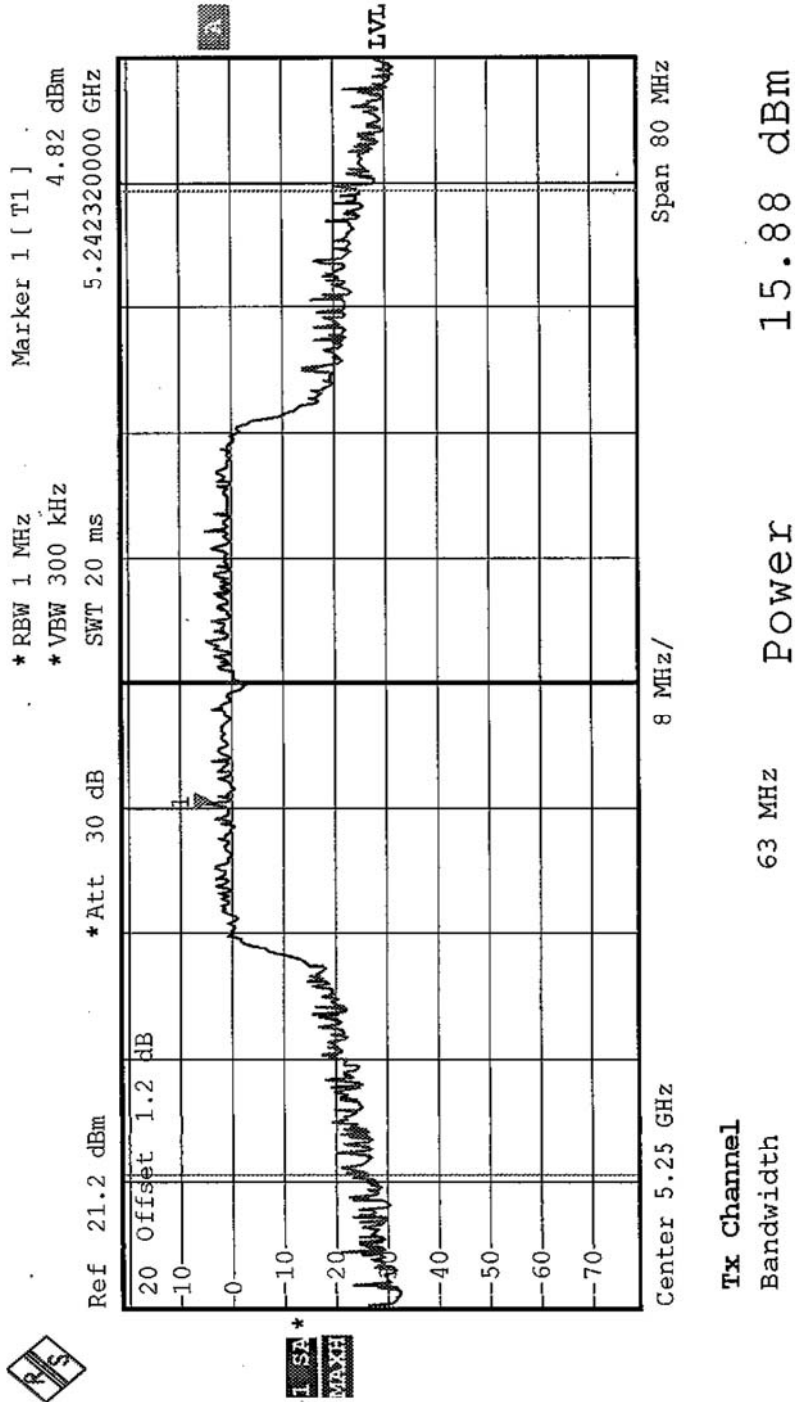


CH1



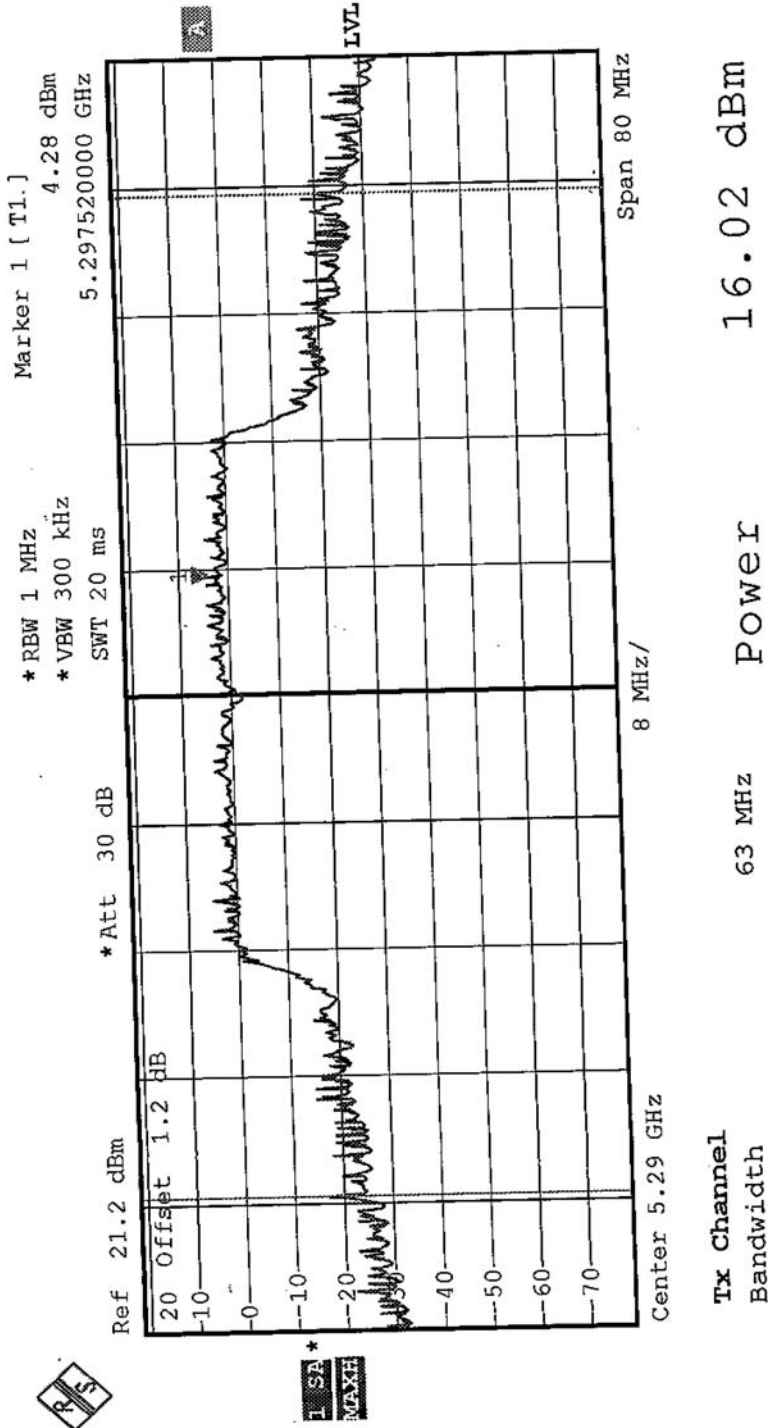


CH2



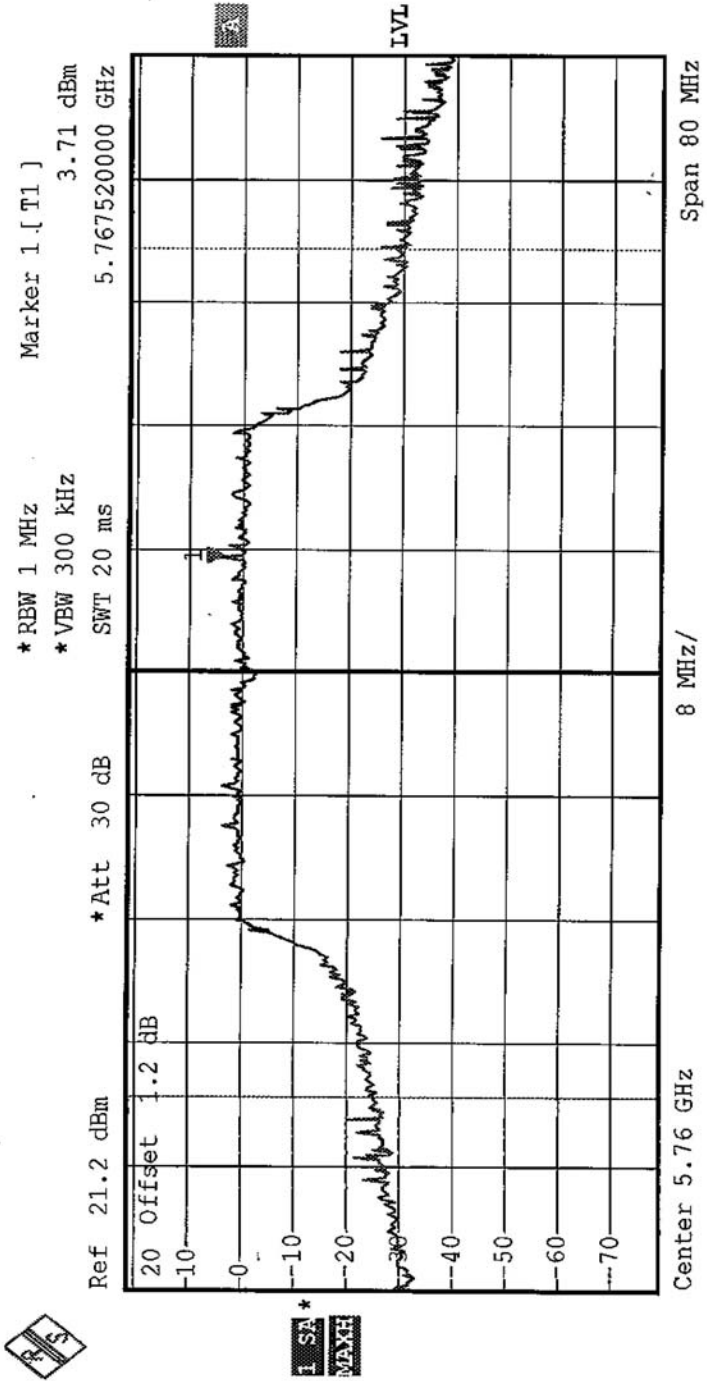


CH3





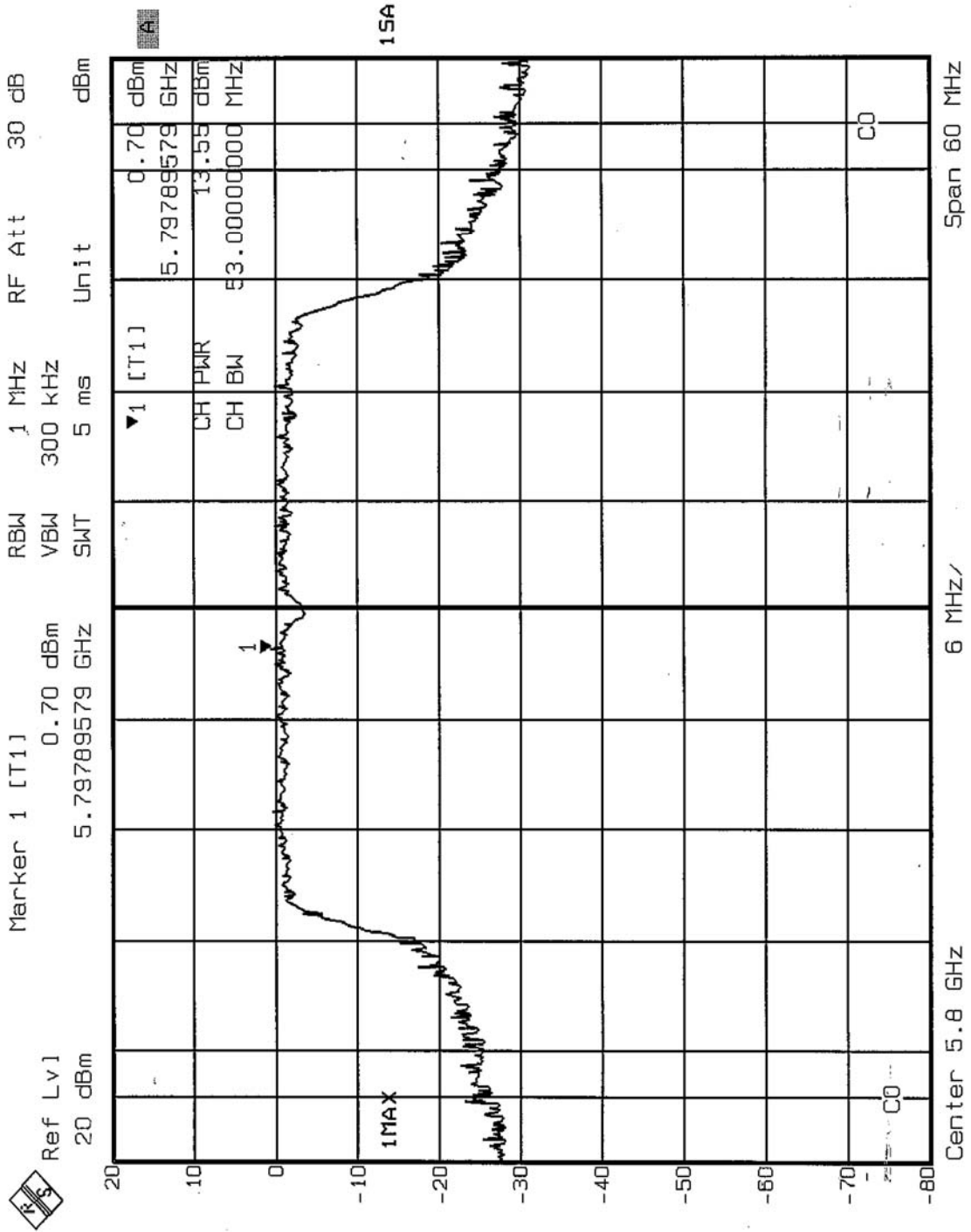
CH4



**Tx Channel** 55 MHz **Power** 15.04 dBm  
**Bandwidth**

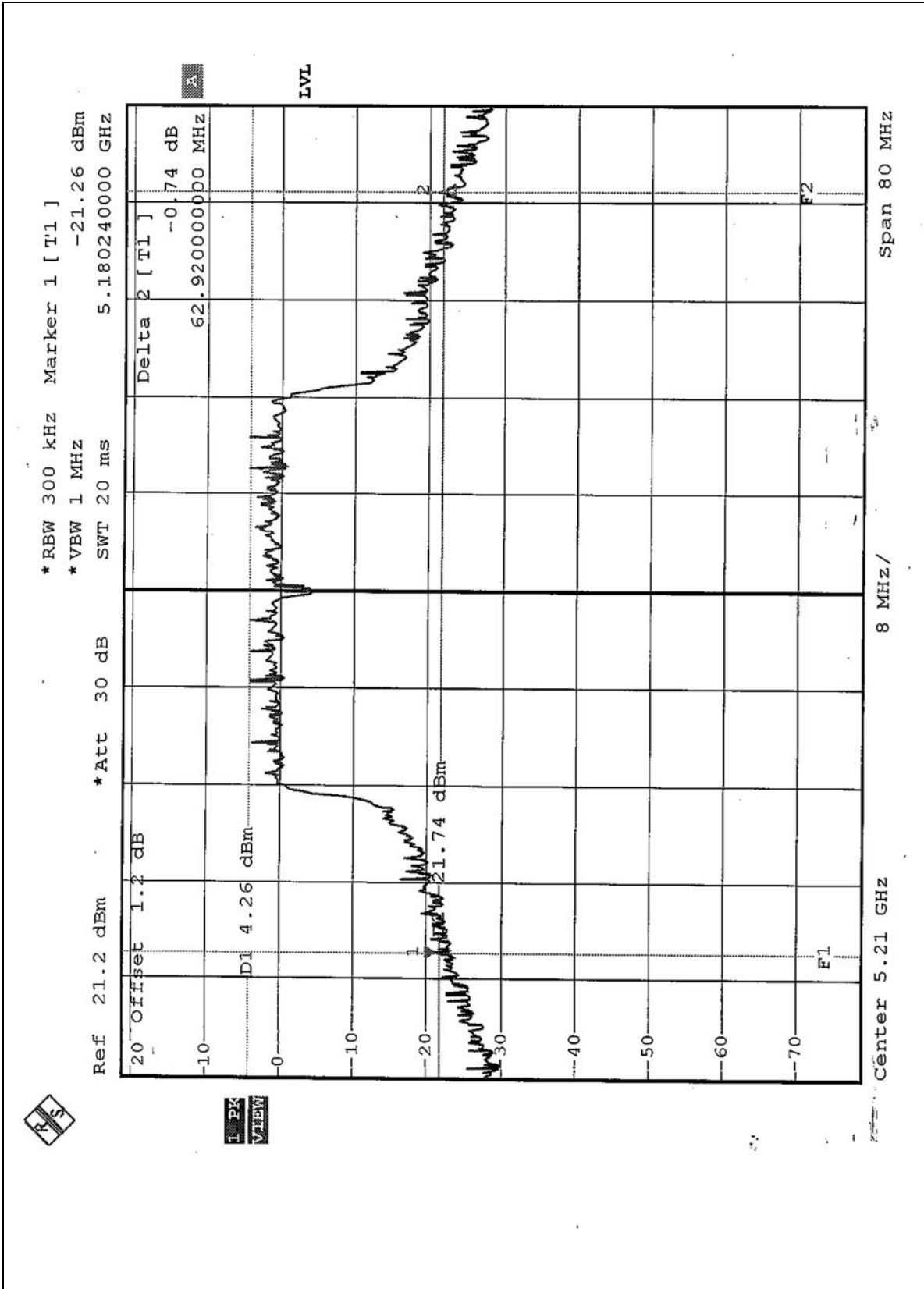


**CH5**





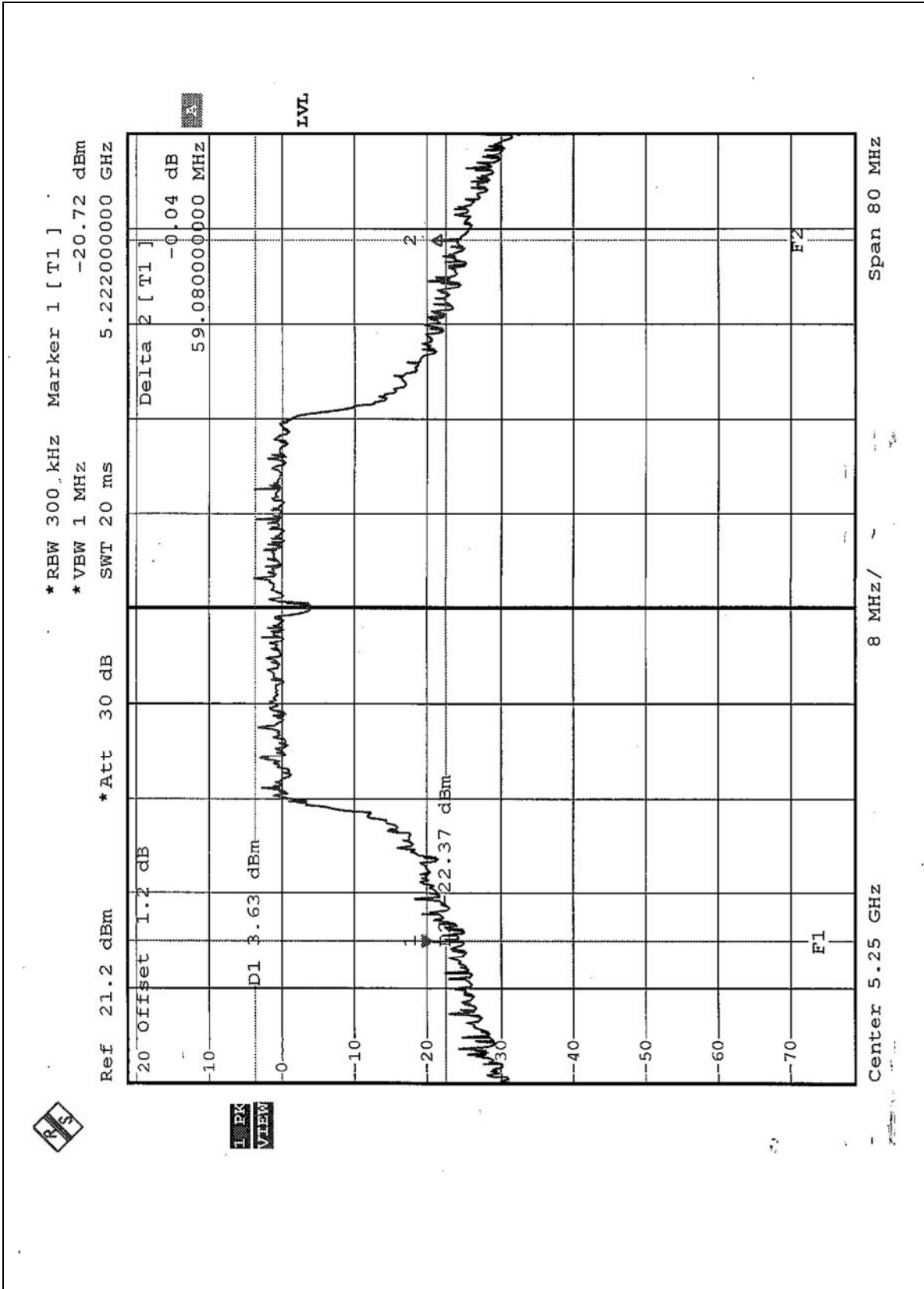
CH 1





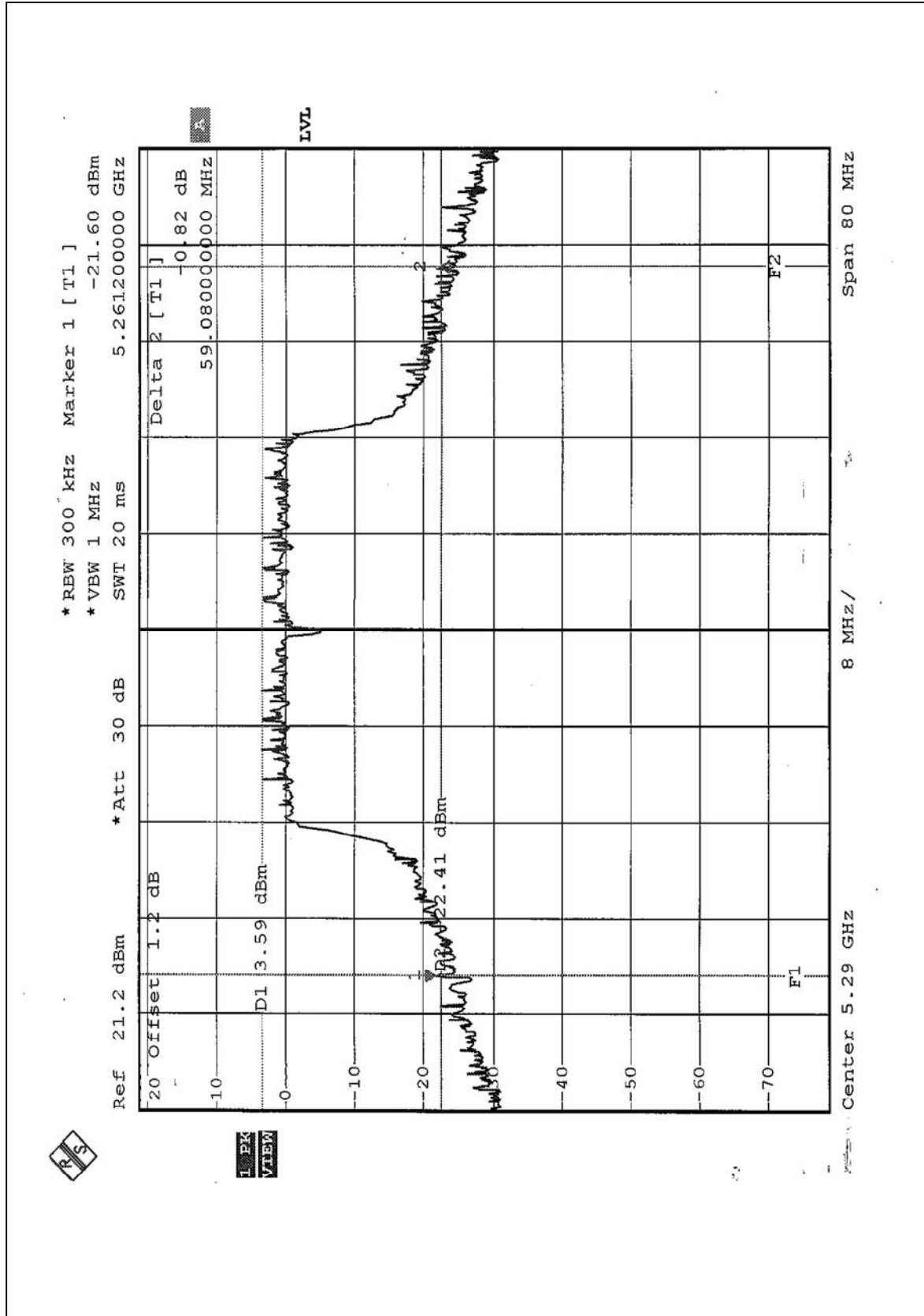


CH2



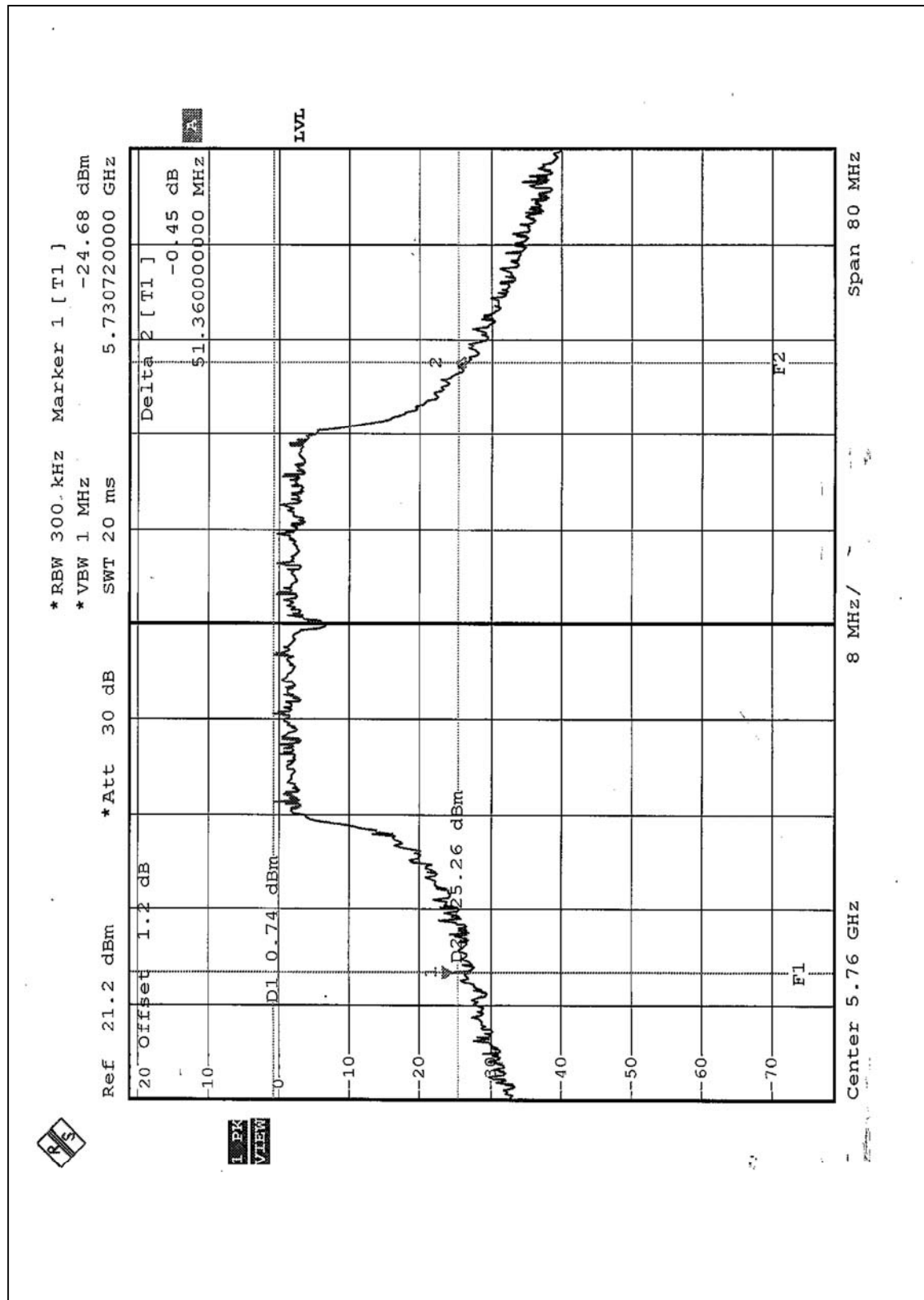


CH3



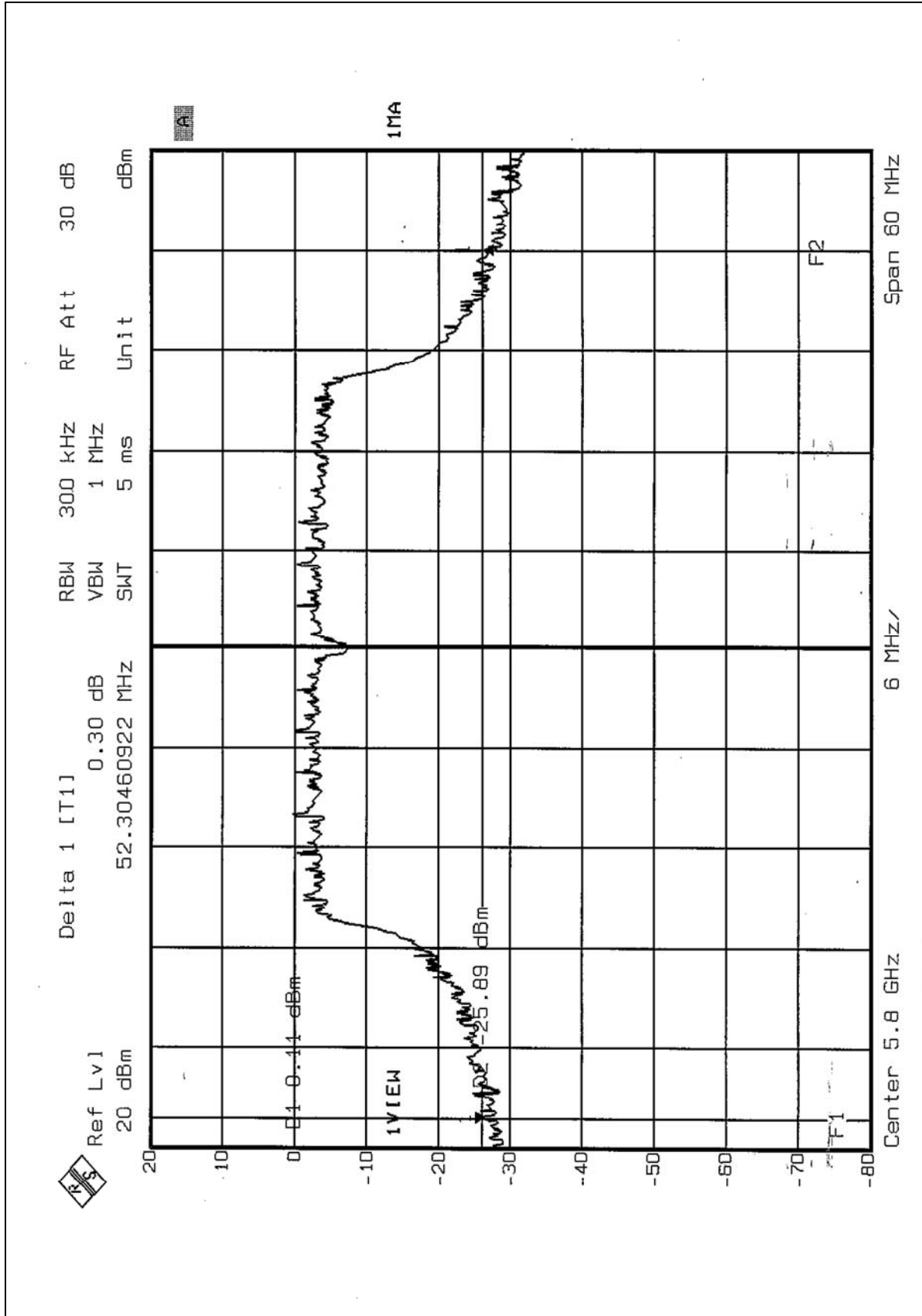


CH4





CH5



**NORMAL MODE (MODE 3 、 MODE4)**

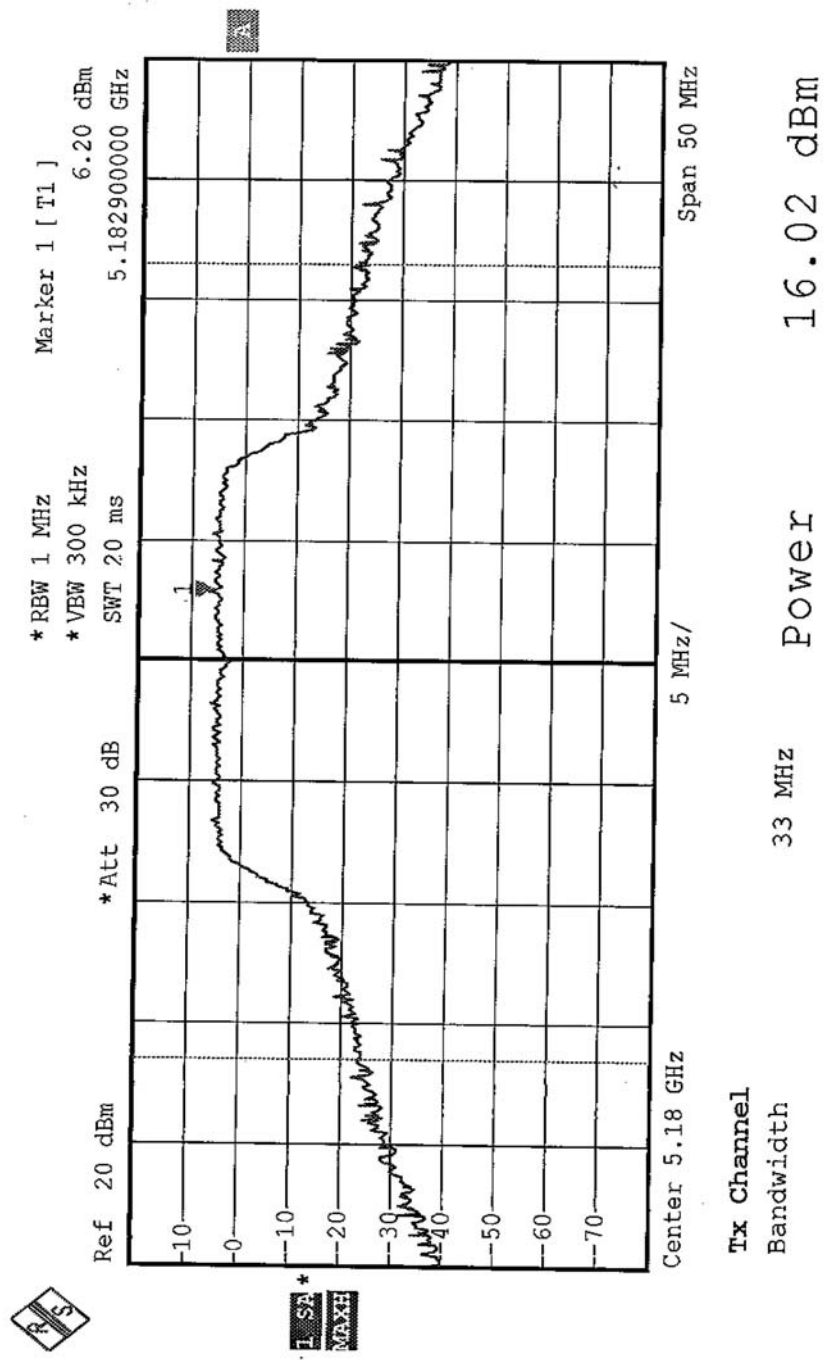
<b>EUT</b>	2.4/5GHz 54Mbps Wireless Mini PCI Card	<b>MODEL</b>	GL2554MP-1A
<b>ENVIRONMENTAL CONDITIONS</b>	24deg. C, 63%RH, 991hPa	<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz
<b>TESTED BY</b>	Ansen Lei		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz)</b>	<b>PEAK POWER OUTPUT (dBm)</b>	<b>PEAK POWER LIMIT (dBm)</b>	<b>26dBc Occupied Bandwidth (MHz)</b>	<b>PASS/FAIL</b>
1	5180	16.02	17.00	31.84	PASS
4	5240	16.15	17.00	28.37	PASS
5	5260	16.52	24.00	27.25	PASS
8	5320	15.25	24.00	27.90	PASS
9	5745	13.16	30.00	29.12	PASS
12	5805	12.29	30.00	29.44	PASS

**NOTE:** For the plot of 26dBc Occupied Bandwidth and Peak Power Output value, please refer to the following pages.

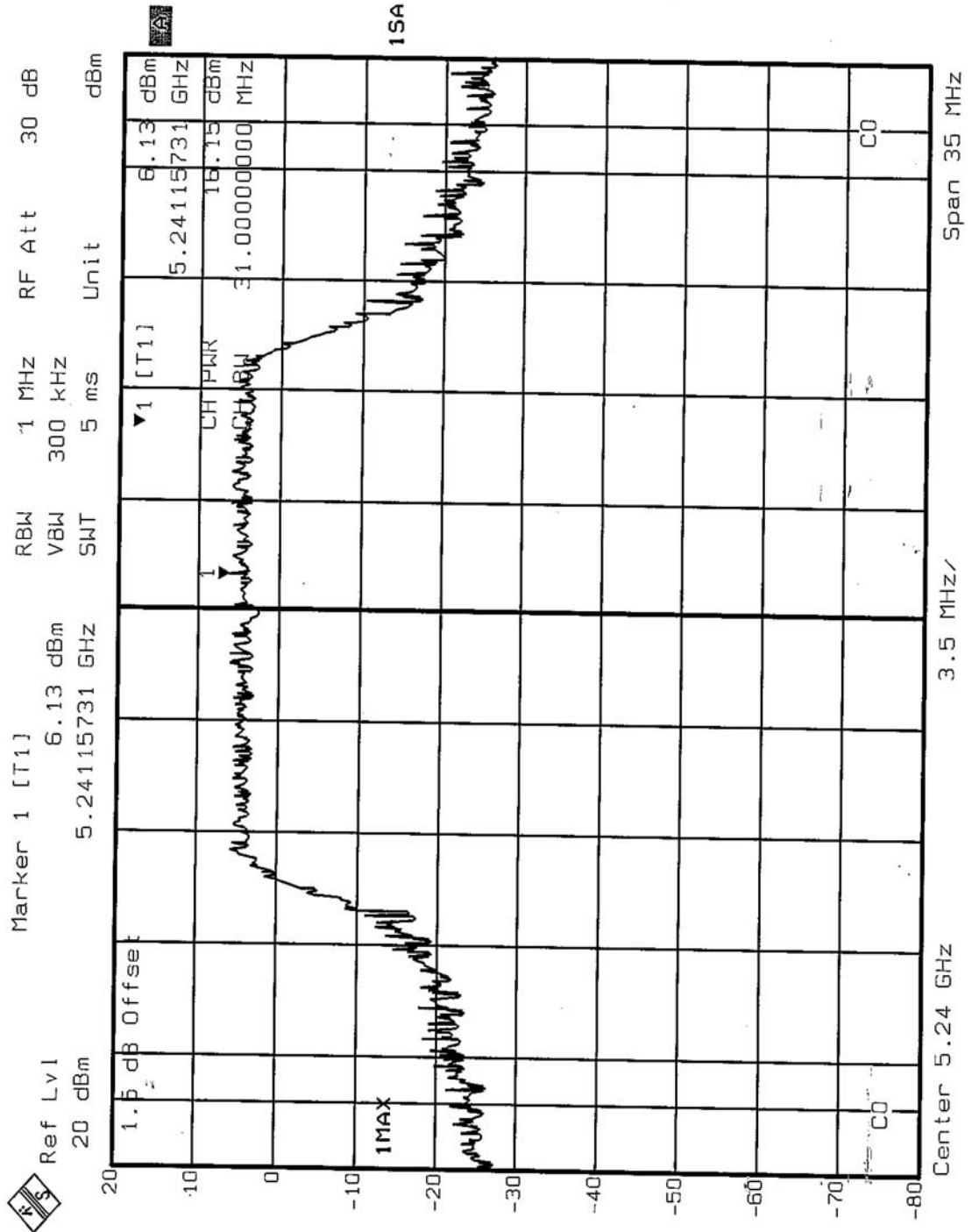


CH1



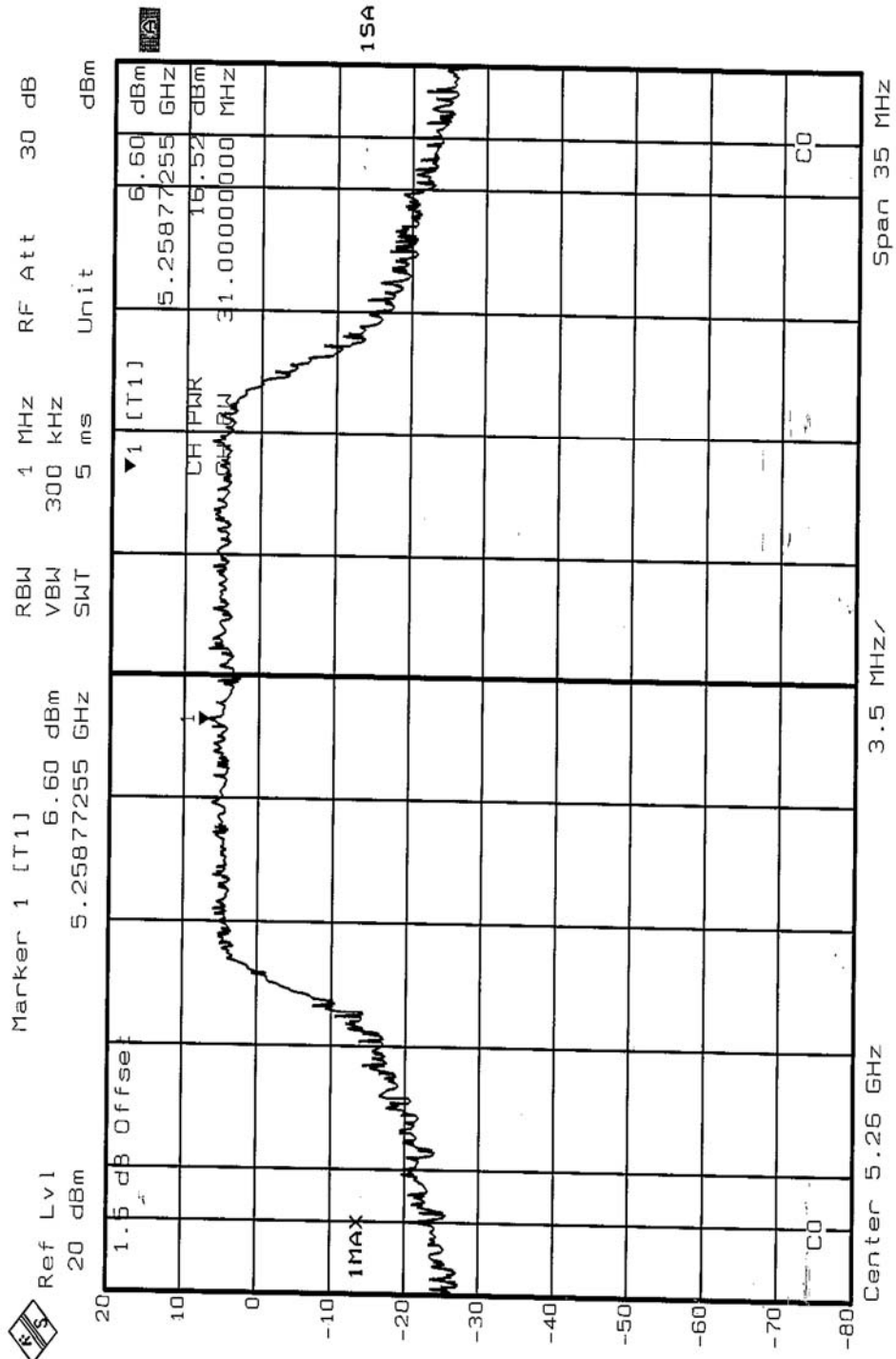


CH4





CH5

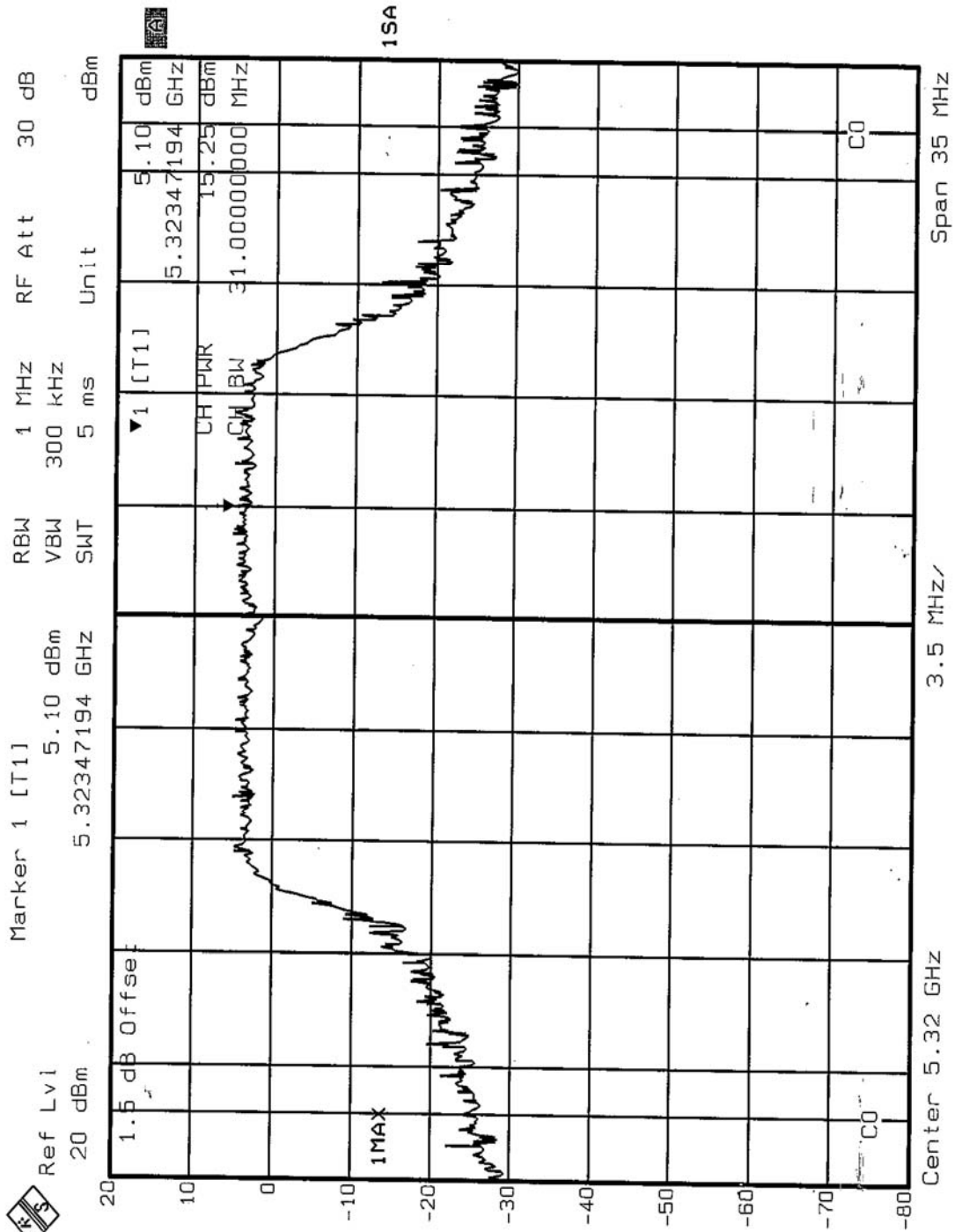


Date: 22.OCT.2003 00:41:54



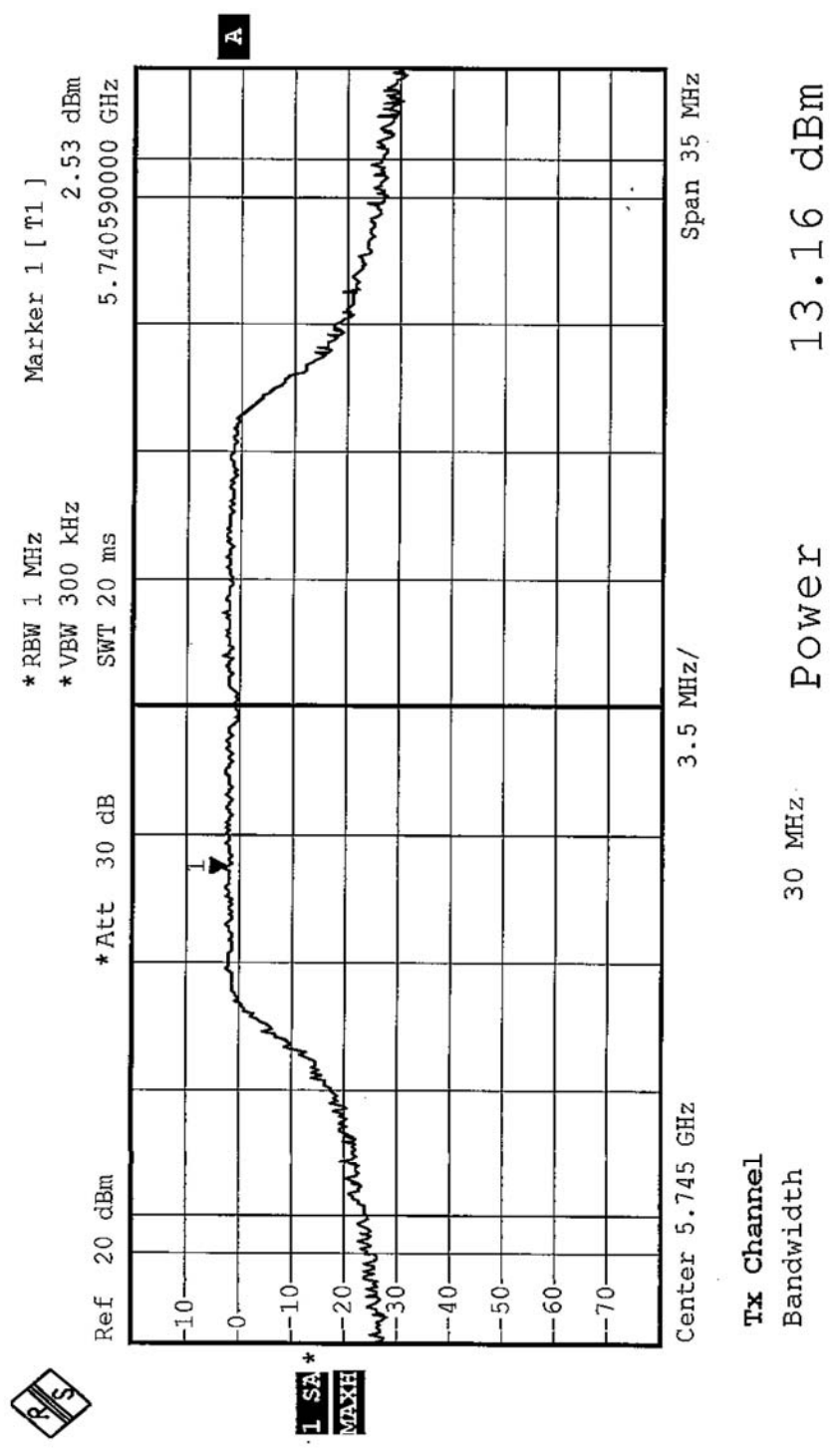


CH8





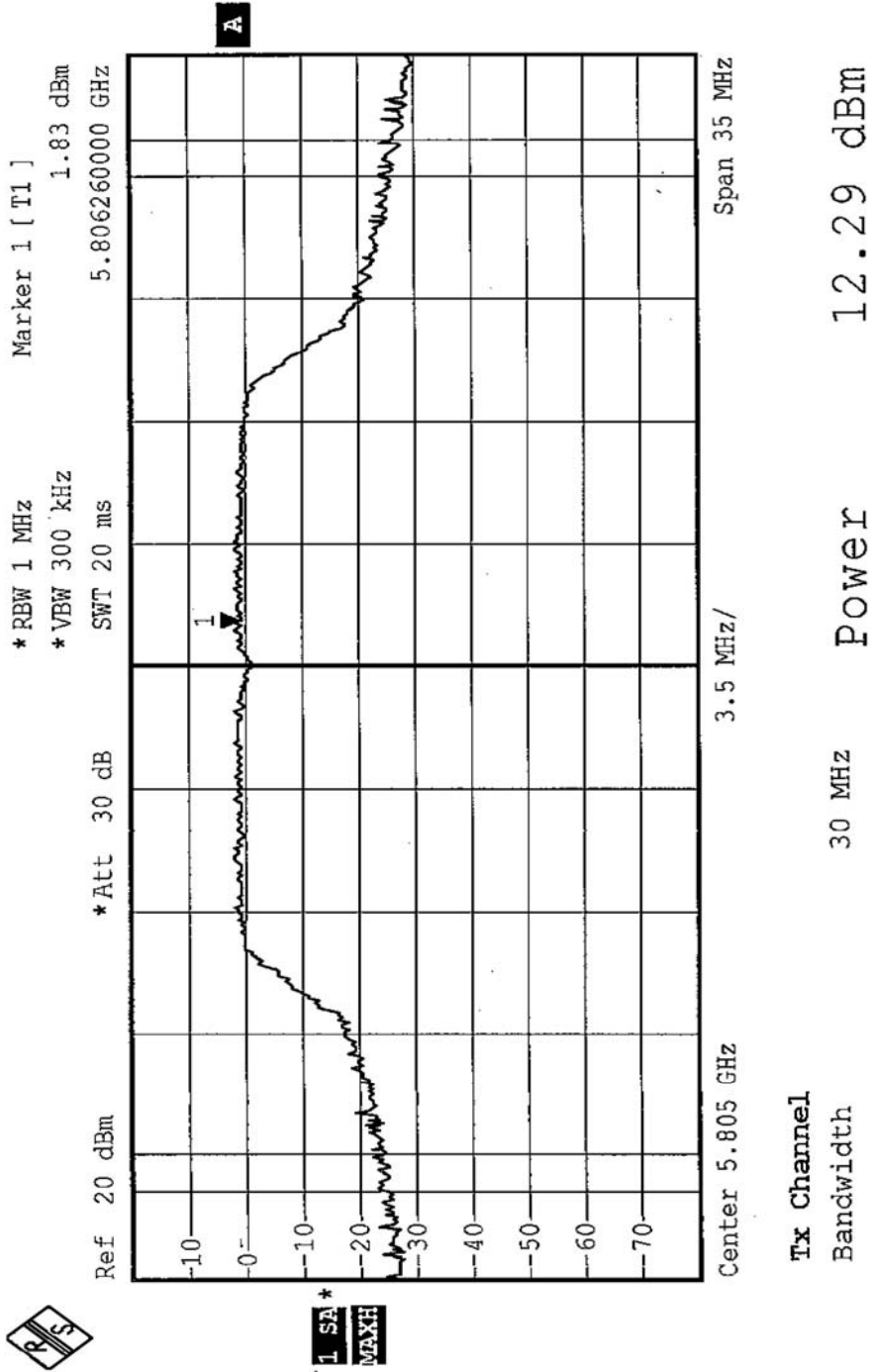
CH9



1 SA \*  
MAXH

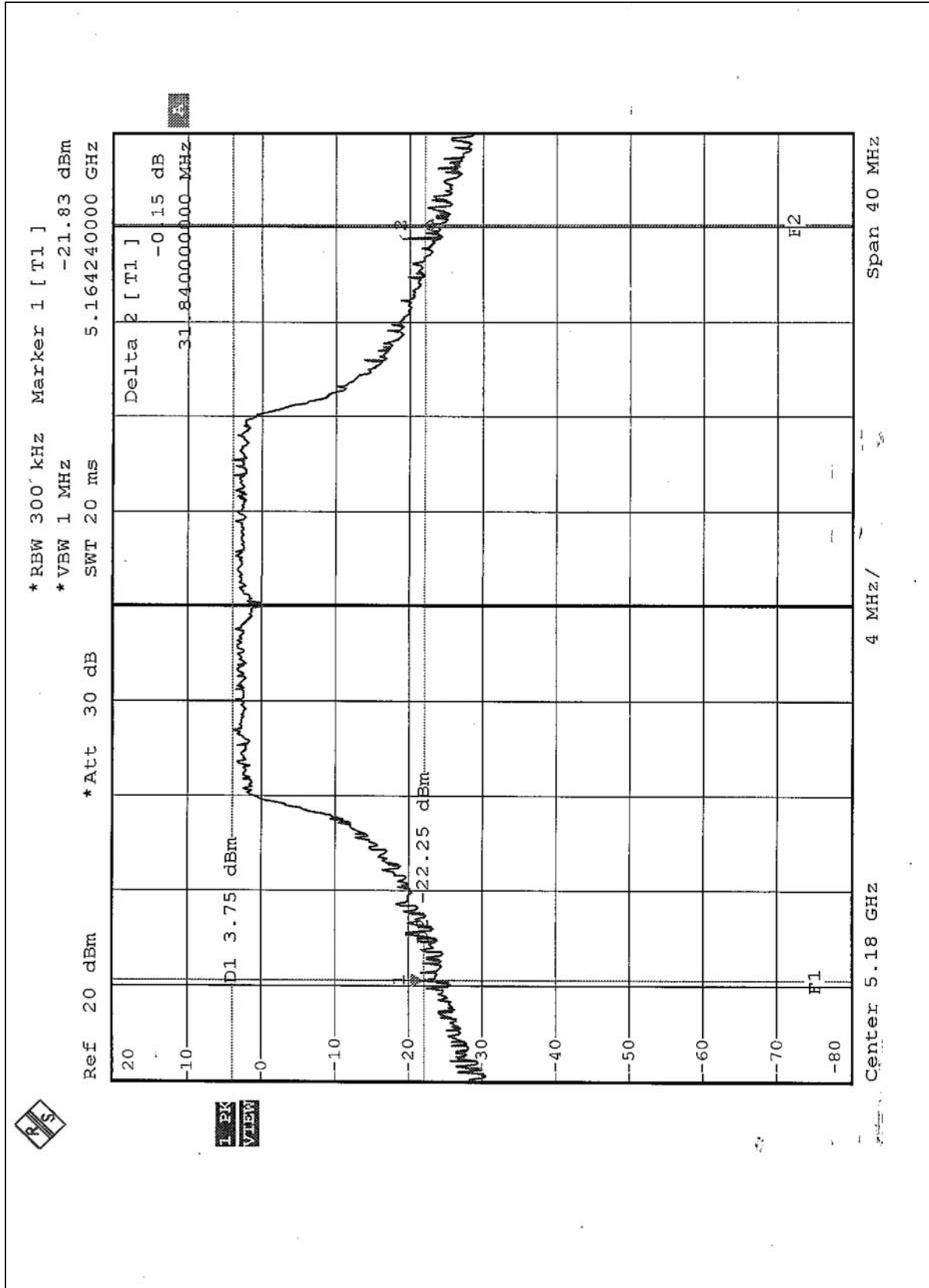


CH12



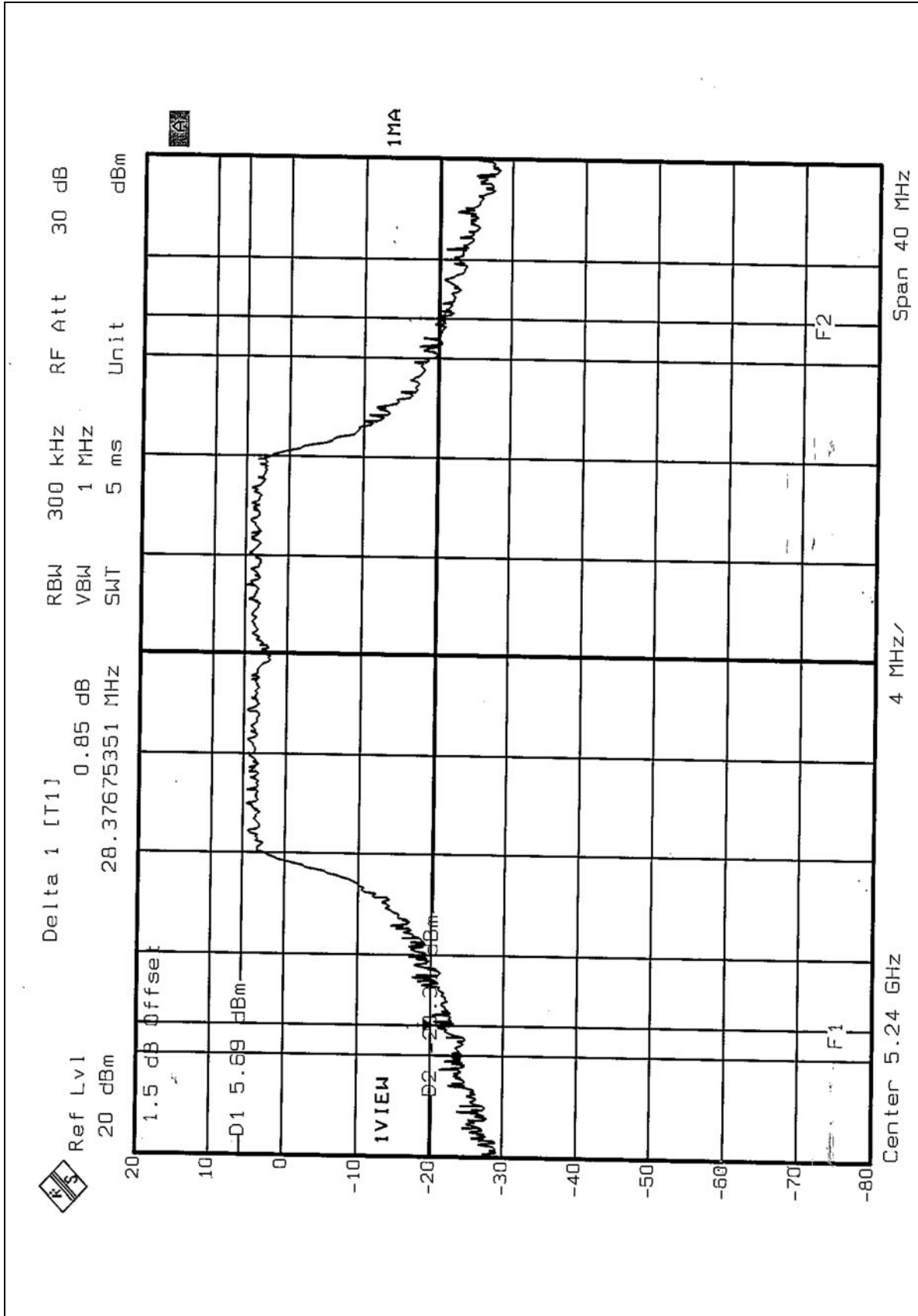


CH 1





CH4





CH5

