



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	4
ENVIRONMENTAL CONDITIONS	15deg. C, 65%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	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	*5240.00	107.53 PK			1.79 H	283	71.03	36.50
1	*5240.00	98.08 AV			1.79 H	283	61.58	36.50
2	10480.00	61.11 PK	68.30	-7.19	1.00 H	235	15.70	45.41
3	#15720.00	63.91 PK	74.00	-10.09	1.24 H	216	16.80	47.11
3	#15720.00	49.72 AV	54.00	-4.28	1.24 H	216	2.61	47.11

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	107.38 PK			1.42 V	211	70.88	36.50
1	*5240.00	98.30 AV			1.42 V	211	61.80	36.50
2	10480.00	66.72 PK	68.30	-1.58	1.44 V	267	21.31	45.41
3	#15720.00	60.58 PK	74.00	-13.42	1.01 V	139	13.47	47.11
3	#15720.00	47.53 AV	54.00	-6.47	1.01 V	139	0.42	47.11

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	5
ENVIRONMENTAL CONDITIONS	15deg. C, 65%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	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	108.12 PK			1.65 H	290	71.60	36.52
1	*5260.00	98.94 AV			1.65 H	290	62.42	36.52
2	10520.00	60.87 PK	68.30	-7.43	1.02 H	247	15.47	45.40
3	#15780.00	60.86 PK	74.00	-13.14	1.00 H	212	14.20	46.66
3	#15780.00	47.81 AV	54.00	-6.19	1.00 H	212	1.15	46.66

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	107.72 PK			1.37 V	194	71.20	36.52
1	*5260.00	98.00 AV			1.37 V	194	61.48	36.52
2	10520.00	66.83 PK	68.30	-1.47	1.48 V	279	21.43	45.40
3	#15780.00	59.64 PK	74.00	-14.36	1.00 V	140	12.98	46.66
3	#15780.00	46.58 AV	54.00	-7.42	1.00 V	140	-0.08	46.66

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	8
ENVIRONMENTAL CONDITIONS	15deg. C, 66%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	Vincent Huang

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	111.20 PK			2.50 H	277	75.01	36.19
1	*5320.00	101.65 AV			2.50 H	277	65.46	36.19
2	#5350.00	59.61 PK	74.00	-14.39	2.50 H	277	23.45	36.16
2	#5350.00	50.06 AV	54.00	-3.94	2.50 H	277	13.91	36.16
3	#10640.00	64.29 PK	74.00	-9.71	1.87 H	330	18.36	45.93
3	#10640.00	50.97 AV	54.00	-3.03	1.87 H	330	5.04	45.93
4	#15960.00	60.11 PK	74.00	-13.89	1.13 H	235	13.46	46.64
4	#15960.00	46.68 AV	54.00	-7.32	1.13 H	235	0.03	46.64

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	105.89 PK			1.30 V	205	69.70	36.19
1	*5320.00	96.96 AV			1.30 V	205	60.77	36.19
2	#5350.00	54.30 PK	74.00	-19.70	1.30 V	205	18.14	36.16
2	#5350.00	45.37 AV	54.00	-8.63	1.30 V	205	9.21	36.16
3	#10640.00	65.53 PK	74.00	-8.47	2.02 V	280	19.60	45.93
3	#10640.00	51.70 AV	54.00	-2.30	2.02 V	280	5.77	45.93
4	#15960.00	59.71 PK	74.00	-14.29	1.00 V	199	13.06	46.64
4	#15960.00	46.68 AV	54.00	-7.32	1.00 V	199	0.03	46.64

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	9
ENVIRONMENTAL CONDITIONS	15deg. C, 66%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	Vincent Huang

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	65.19 PK	68.30	-3.11	1.54 H	28	28.50	36.69
2	5725.00	76.55 PK	78.30	-1.75	1.54 H	28	39.82	36.73
3	*5745.00	104.76 PK			1.54 H	28	67.95	36.81
3	*5745.00	95.06 AV			1.54 H	28	58.25	36.81
4	#11490.00	60.25 PK	74.00	-13.75	2.32 H	233	13.45	46.80
4	#11490.00	47.55 AV	54.00	-6.45	2.32 H	233	0.75	46.80

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	66.71 PK	68.30	-1.59	1.28 V	195	30.02	36.69
2	5725.00	74.45 PK	78.30	-3.85	1.28 V	195	37.72	36.73
3	*5745.00	105.31 PK			1.28 V	195	68.50	36.81
3	*5745.00	96.26 AV			1.28 V	195	59.45	36.81
4	#11490.00	60.60 PK	74.00	-13.40	1.63 V	268	13.81	46.80
4	#11490.00	45.84 AV	54.00	-8.16	1.63 V	268	-0.95	46.80

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	12
ENVIRONMENTAL CONDITIONS	15deg. C, 66%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	Vincent Huang

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	106.03 PK			1.82 H	267	68.99	37.04
1	*5805.00	97.71 AV			1.82 H	267	60.67	37.04
2	5825.00	76.61 PK	78.30	-1.69	1.82 H	267	39.55	37.06
3	5835.00	66.65 PK	68.30	-1.65	1.82 H	267	29.58	37.07
4	#11610.00	62.10 PK	74.00	-11.90	1.71 H	193	15.56	46.54
4	#11610.00	48.86 AV	54.00	-5.14	1.71 H	193	2.32	46.54

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	105.52 PK			1.04 V	181	68.48	37.04
1	*5805.00	95.95 AV			1.04 V	181	58.91	37.04
2	5825.00	76.61 PK	78.30	-1.69	1.04 V	181	39.55	37.06
3	5835.00	66.01 PK	68.30	-2.29	1.04 V	181	28.94	37.07
4	#11610.00	65.53 PK	74.00	-8.47	1.75 V	248	18.99	46.54
4	#11610.00	51.19 AV	54.00	-2.81	1.75 V	248	4.65	46.54

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

Turbo Mode

EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	1
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	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	#1120.40	44.35 PK	74.00	-29.65	1.47 H	360	17.78	26.57
1	#1120.40	41.65 AV	54.00	-12.35	1.47 H	360	15.08	26.57
2	#5150.00	55.66 PK	74.00	-18.34	1.60 H	52	19.50	36.16
2	#5150.00	45.67 AV	54.00	-8.33	1.60 H	52	9.51	36.16
3	*5210.00	105.00 PK			1.90 H	114	68.82	36.18
3	*5210.00	95.01 AV			1.90 H	114	58.83	36.18
4	10420.00	63.68 PK	68.30	-4.62	1.76 H	126	17.61	46.07

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	#1120.40	42.17 PK	74.00	-31.83	1.32 V	172	15.60	26.57
1	#1120.40	38.46 AV	54.00	-15.54	1.32 V	172	11.89	26.57
2	#5150.00	54.55 PK	74.00	-19.45	1.39 V	52	18.39	36.16
2	#5150.00	44.64 AV	54.00	-9.36	1.39 V	52	8.48	36.16
3	*5210.00	103.89 PK			1.39 V	52	67.71	36.18
3	*5210.00	93.98 AV			1.39 V	52	57.80	36.18
4	10420.00	62.38 PK	68.30	-5.92	1.38 V	128	16.31	46.07

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	2
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	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	#1120.40	44.48 PK	74.00	-29.52	1.14 H	125	17.91	26.57
1	#1120.40	42.60 AV	54.00	-11.40	1.14 H	125	16.03	26.57
2	*5250.00	104.47 PK			1.28 H	103	68.27	36.20
2	*5250.00	95.47 AV			1.28 H	103	59.27	36.20
3	10500.00	59.74 PK	68.30	-8.56	1.14 H	160	13.74	46.00

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	#1120.40	43.21 PK	74.00	-30.79	1.38 V	315	16.64	26.57
1	#1120.40	39.70 AV	54.00	-14.30	1.38 V	315	13.13	26.57
2	*5250.00	102.47 PK			1.20 V	17	66.27	36.20
2	*5250.00	92.36 AV			1.20 V	17	56.16	36.20
3	10500.00	62.03 PK	68.30	-6.27	1.20 V	50	16.03	46.00

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	3
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	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	#1120.40	43.35 PK	74.00	-30.65	1.86 H	125	16.78	26.57
1	#1120.40	40.18 AV	54.00	-13.82	1.86 H	125	13.61	26.57
2	*5290.00	105.50 PK			1.84 H	55	69.28	36.22
2	*5290.00	95.99 AV			1.84 H	55	59.77	36.22
3	#5350.00	56.16 PK	74.00	-17.84	1.84 H	55	20.00	36.16
3	#5350.00	46.65 AV	54.00	-7.35	1.84 H	55	10.49	36.16
4	10580.00	60.98 PK	68.30	-7.32	1.83 H	154	15.02	45.96

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	#1120.40	43.87 PK	74.00	-30.13	1.38 V	306	17.30	26.57
1	#1120.40	41.24 AV	54.00	-12.76	1.38 V	306	14.67	26.57
2	*5290.00	101.34 PK			1.30 V	50	65.12	36.22
2	*5290.00	91.83 AV			1.30 V	50	55.61	36.22
3	#5350.00	52.00 PK	74.00	-22.00	1.30 V	50	15.84	36.16
3	#5350.00	42.49 AV	54.00	-11.51	1.30 V	50	6.34	36.16
4	10580.00	61.32 PK	68.30	-6.98	1.55 V	130	15.36	45.96

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	4
ENVIRONMENTAL CONDITIONS	22deg. C, 77%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	Vincent Huang

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	66.67 PK	68.30	-1.63	1.70 H	238	29.98	36.69
2	5725.00	74.32 PK	78.30	-3.98	1.70 H	238	37.59	36.73
3	*5760.00	104.55 PK			1.70 H	238	67.67	36.88
3	*5760.00	95.72 AV			1.70 H	238	58.84	36.88
4	#11520.00	55.51 PK	74.00	-18.49	1.77 H	213	8.76	46.75
4	#11520.00	43.52 AV	54.00	-10.48	1.77 H	213	-3.23	46.75

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	66.25 PK	68.30	-2.05	1.18 V	204	29.56	36.69
2	5725.00	72.56 PK	78.30	-5.74	1.18 V	204	35.83	36.73
3	*5760.00	103.47 PK			1.18 V	204	66.59	36.88
3	*5760.00	94.38 AV			1.18 V	204	57.50	36.88
4	#11520.00	56.79 PK	74.00	-17.21	1.11 V	152	10.04	46.75
4	#11520.00	44.11 AV	54.00	-9.89	1.11 V	152	-2.64	46.75

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.



EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
FREQUENCY RANGE	1-25GHz	CHANNEL	5
ENVIRONMENTAL CONDITIONS	22deg. C, 77%RH, 991hPa	DETECTOR FUNCTION	Peak(PK) Average (AV)
INPUT POWER (SYSTEM)	120Vac, 60Hz	TESTED BY	Vincent Huang

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	99.59 PK			1.86 H	228	62.55	37.04
1	*5800.00	90.45 AV			1.86 H	228	53.41	37.04
2	5825.00	75.33 PK	78.30	-2.97	1.86 H	228	38.27	37.06
3	5835.00	66.41 PK	68.30	-1.89	1.86 H	228	29.34	37.07
4	#11600.00	56.37 PK	74.00	-17.63	1.64 H	231	9.82	46.55
4	#11600.00	43.46 AV	54.00	-10.54	1.64 H	231	-3.09	46.55

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	97.74 PK			1.46 V	204	60.70	37.04
1	*5800.00	88.85 AV			1.46 V	204	51.81	37.04
2	5825.00	72.39 PK	78.30	-5.91	1.46 V	204	35.33	37.06
3	5835.00	66.14 PK	68.30	-2.16	1.46 V	204	29.07	37.07
4	#11600.00	56.55 PK	74.00	-17.45	1.60 V	111	10.00	46.55
4	#11600.00	43.28 AV	54.00	-10.72	1.60 V	111	-3.27	46.55

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

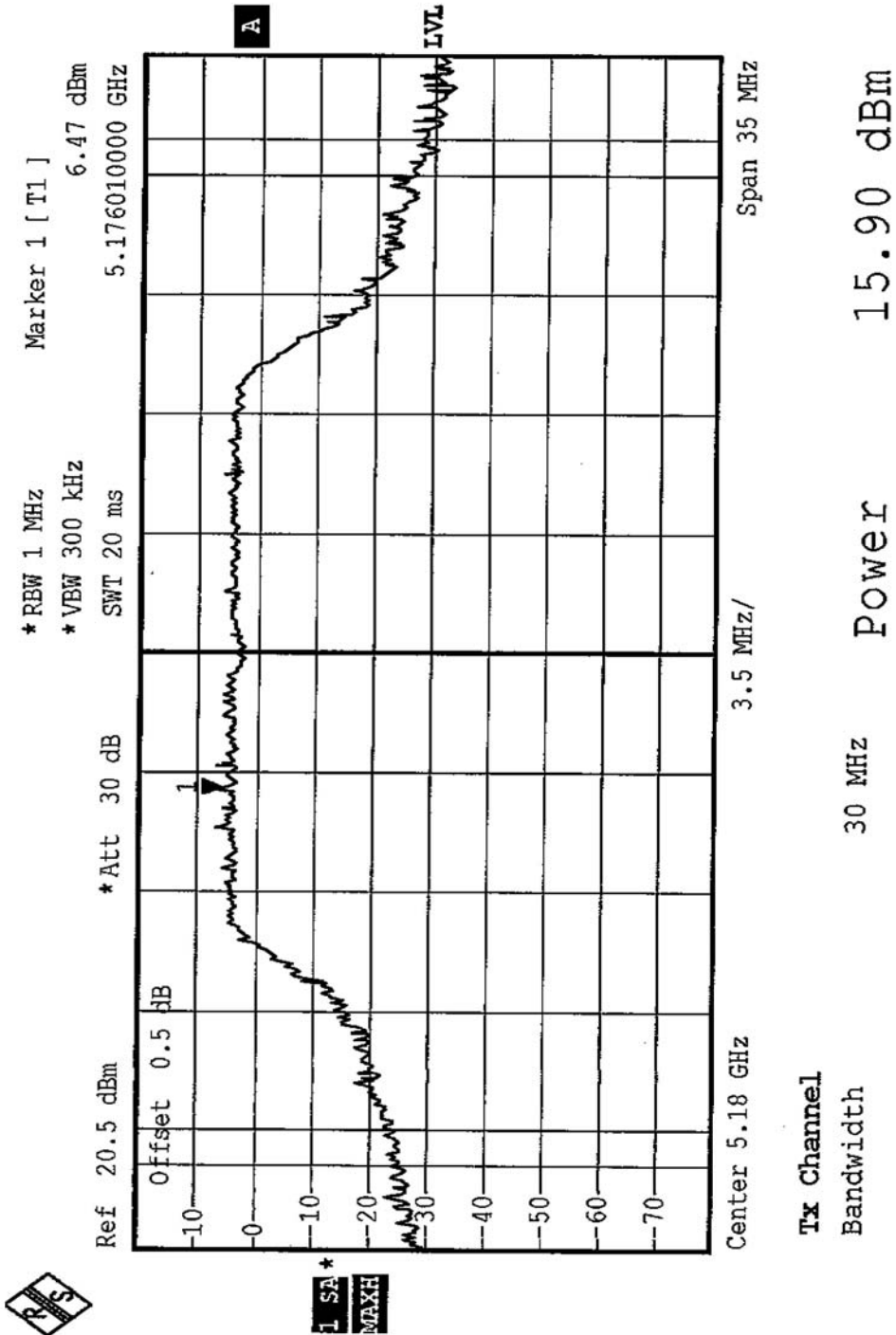
EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
ENVIRONMENTAL CONDITIONS	21deg. C, 60%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Jamison Chan		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5180	15.90	17.00	31.12	PASS
4	5240	15.29	17.00	28.00	PASS
5	5260	17.88	24.00	28.56	PASS
8	5320	17.90	24.00	26.64	PASS
9	5745	14.10	30.00	30.72	PASS
12	5805	14.62	30.00	28.00	PASS

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

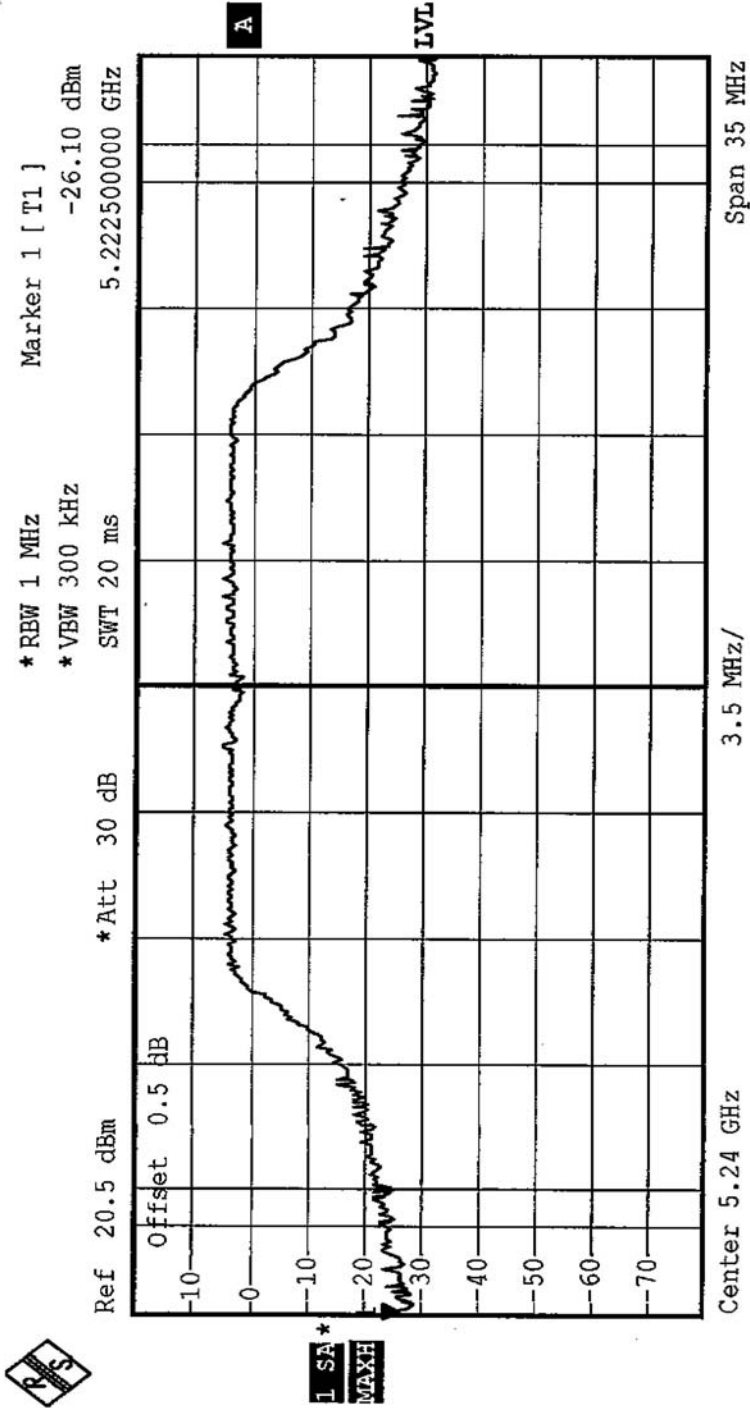


CH1





CH4

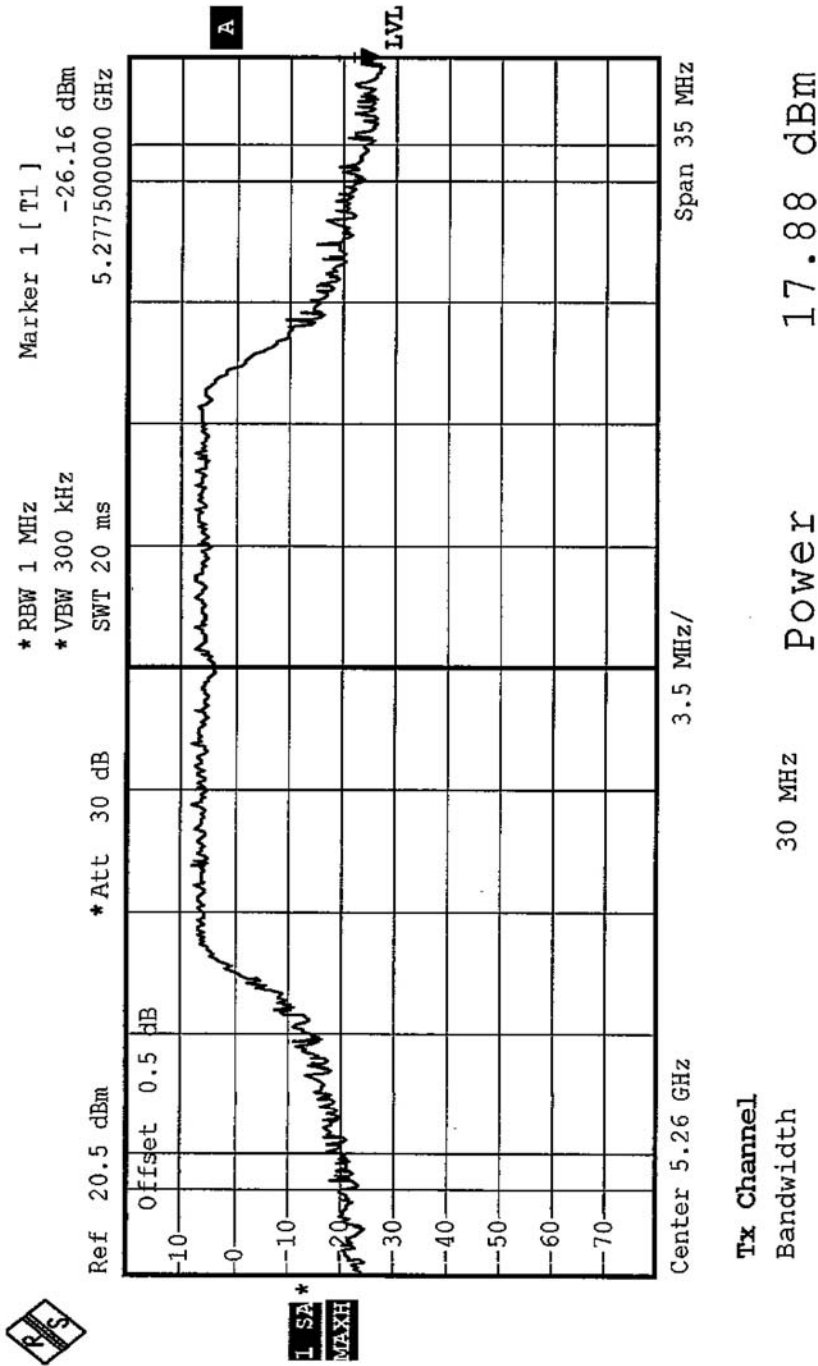


Tx Channel
Bandwidth 30 MHz
Power 15.29 dBm



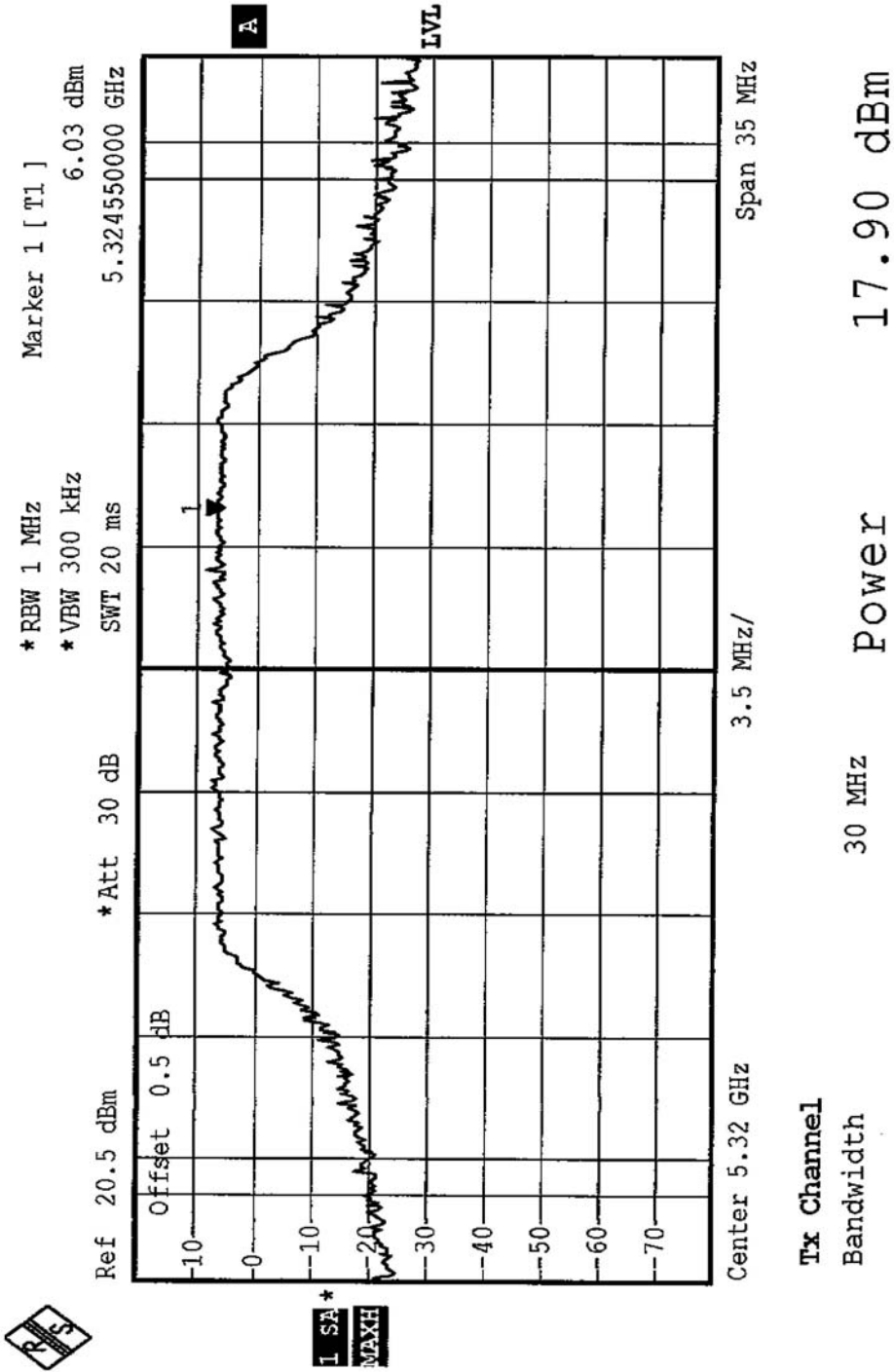


CH5



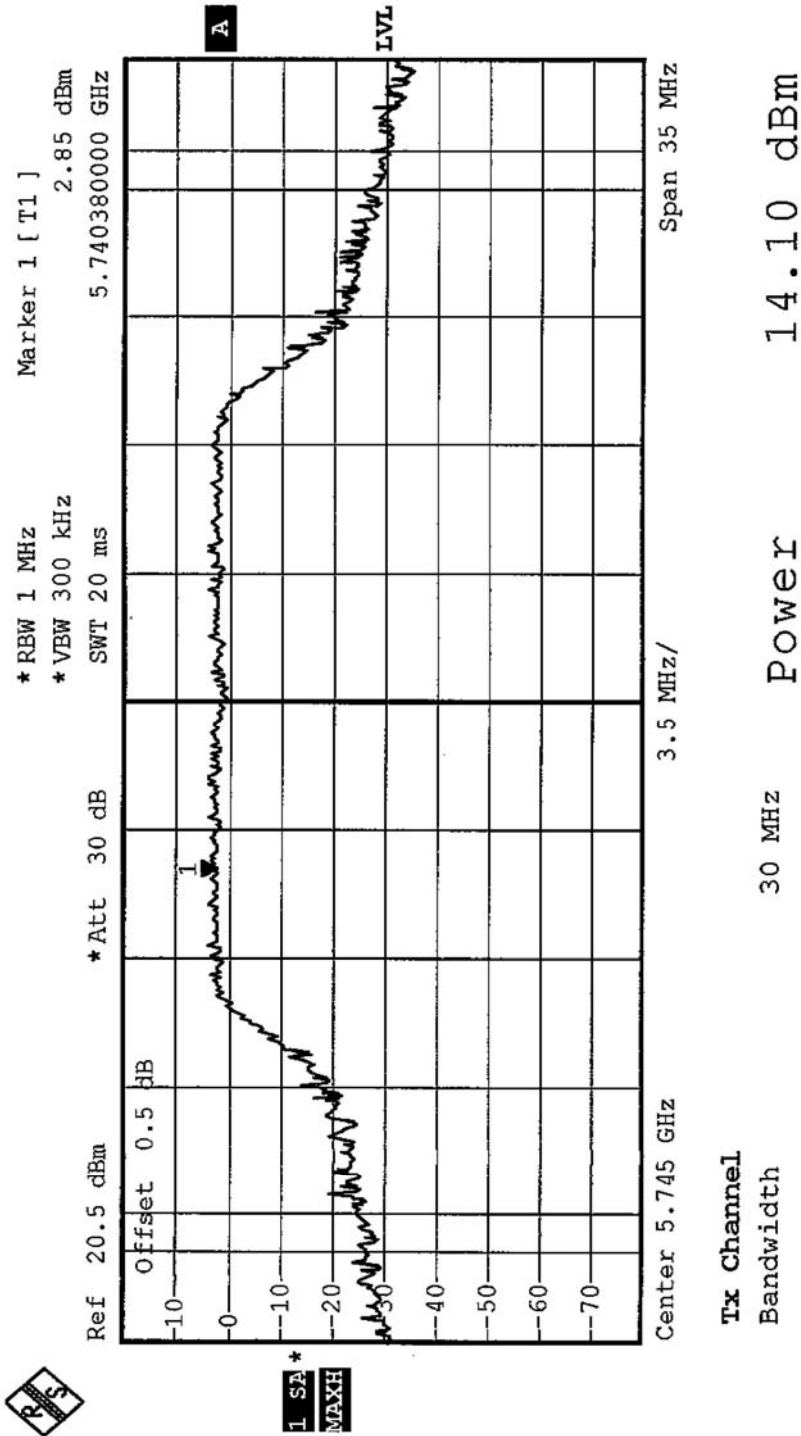


CH8



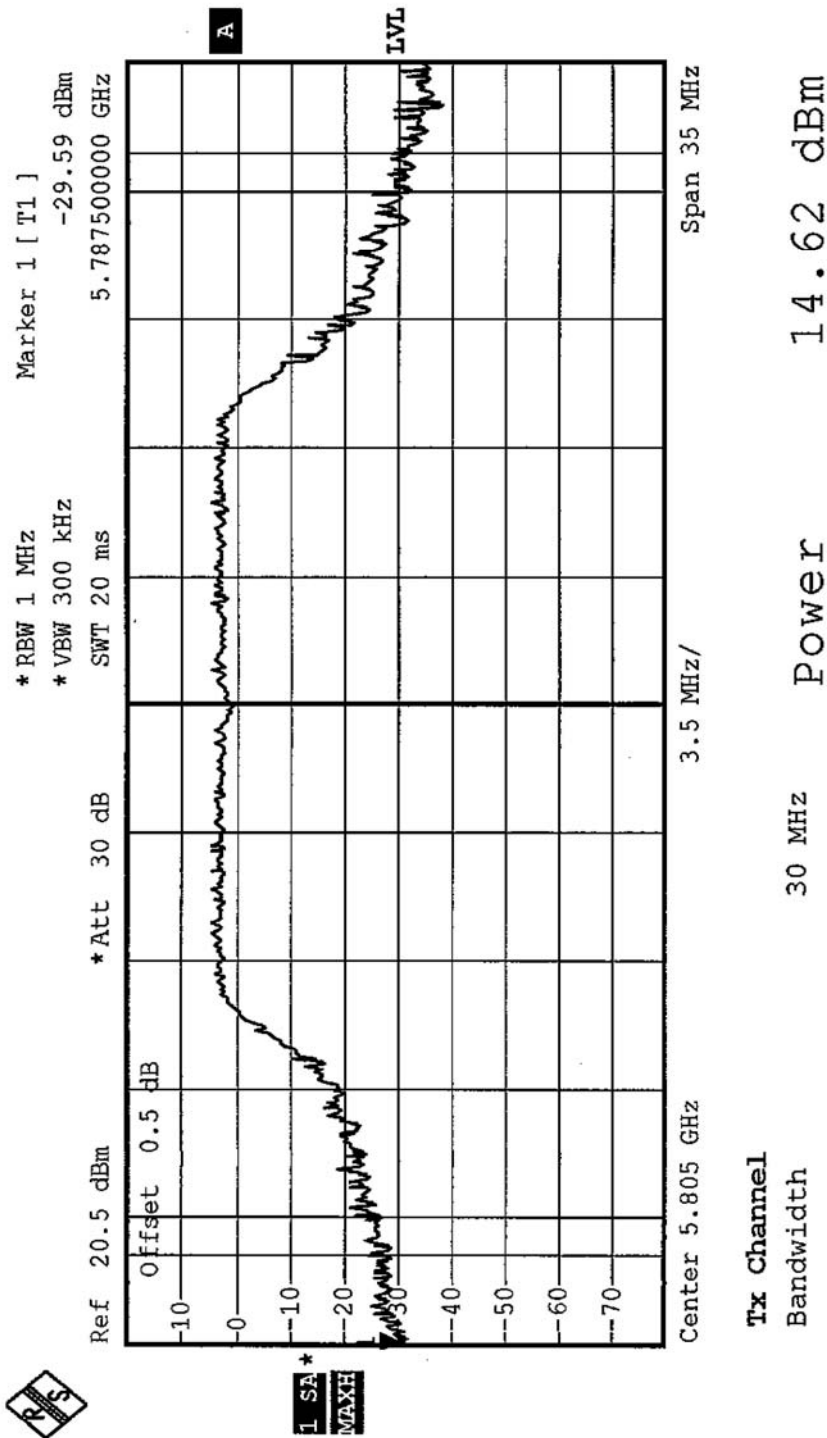


CH9





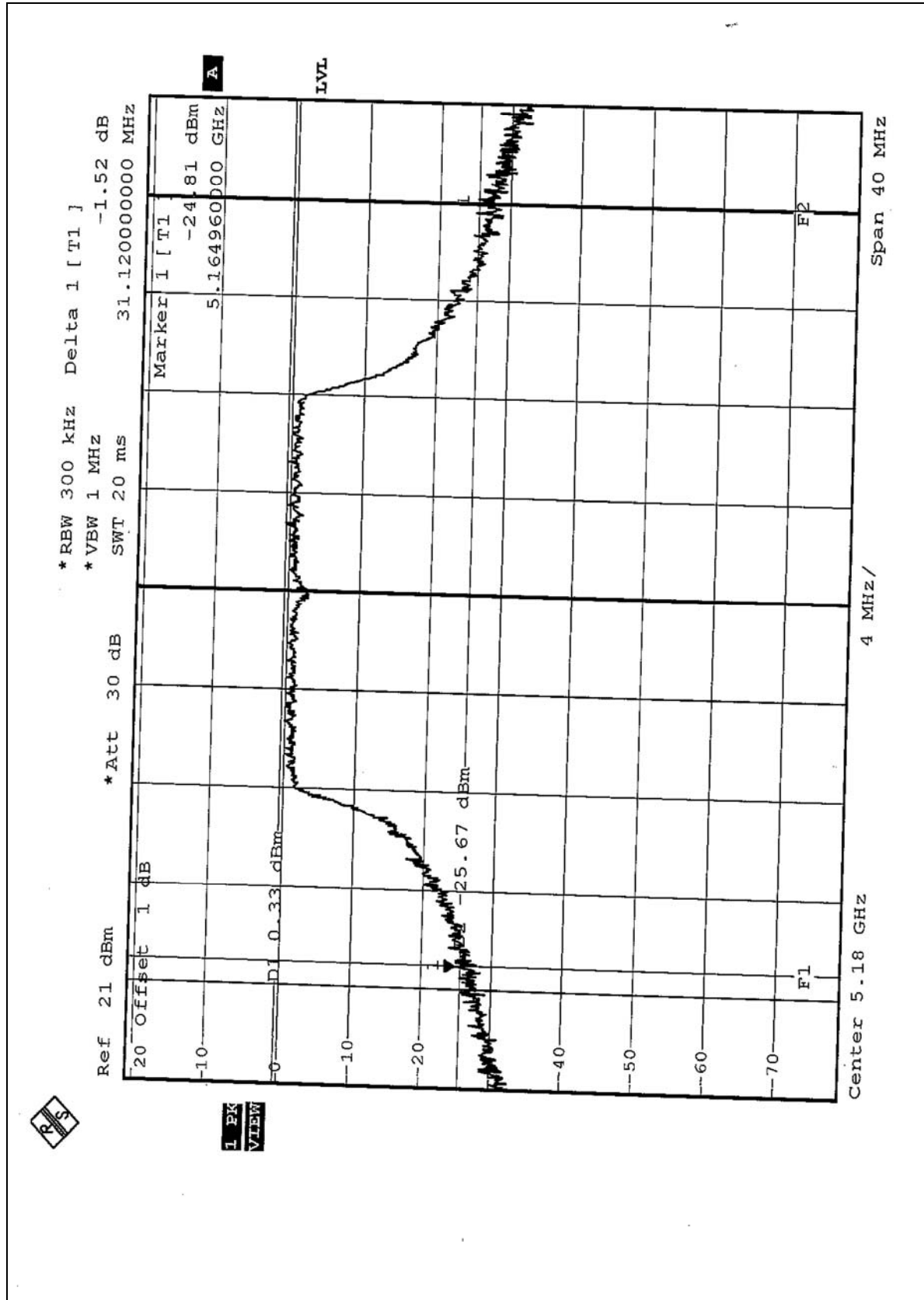
CH12



1 SA *
MAXH

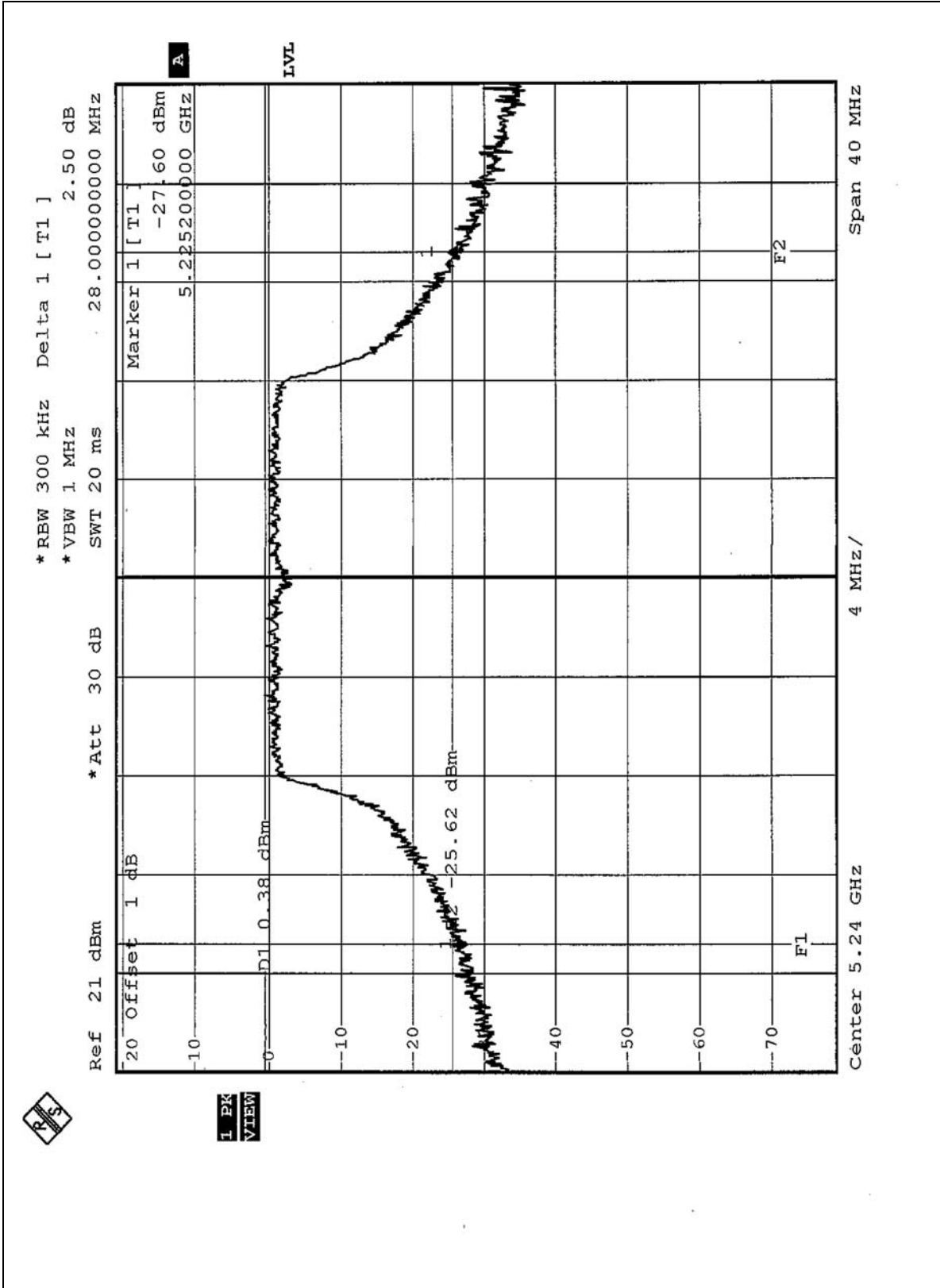


CH 1



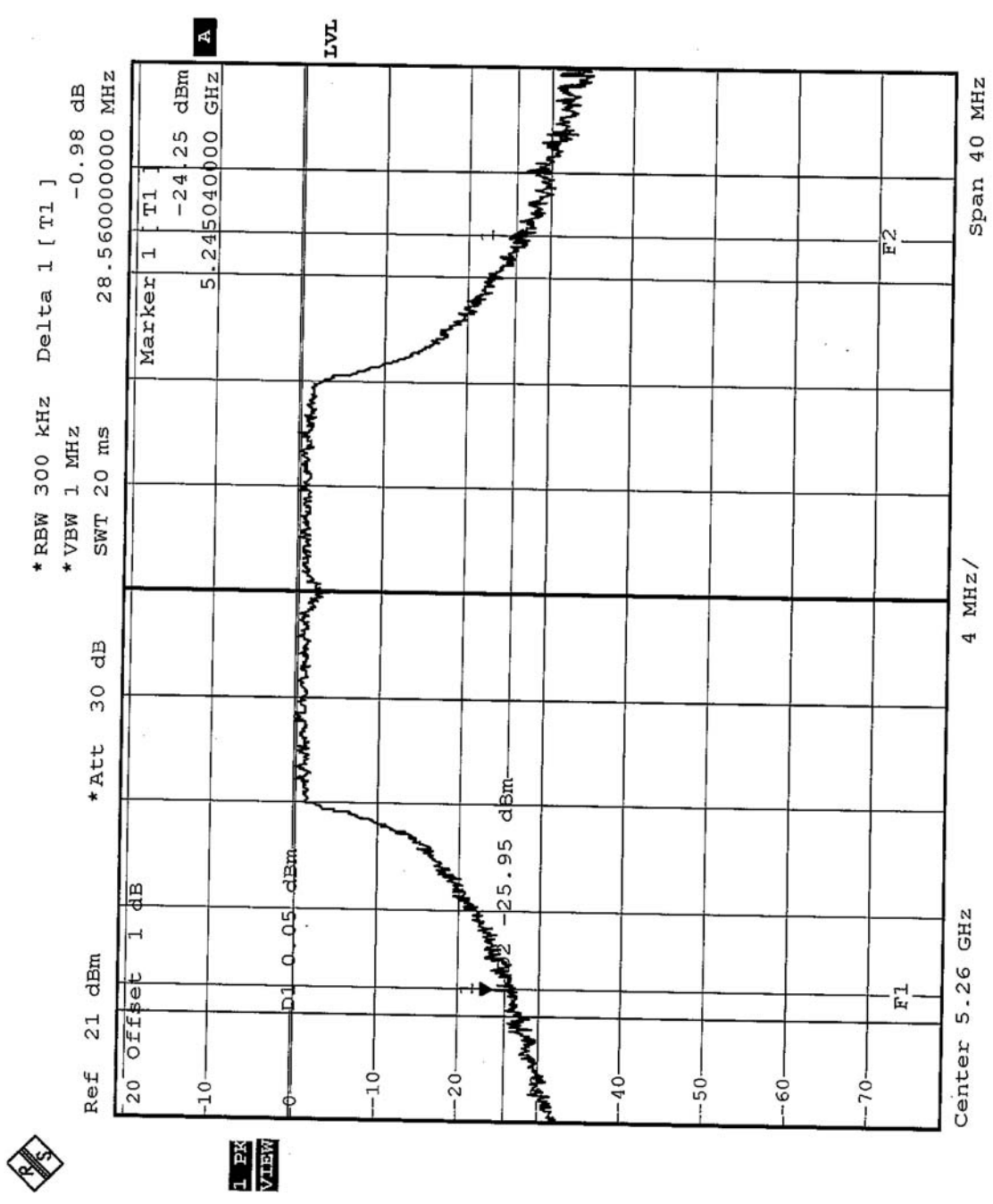


CH4



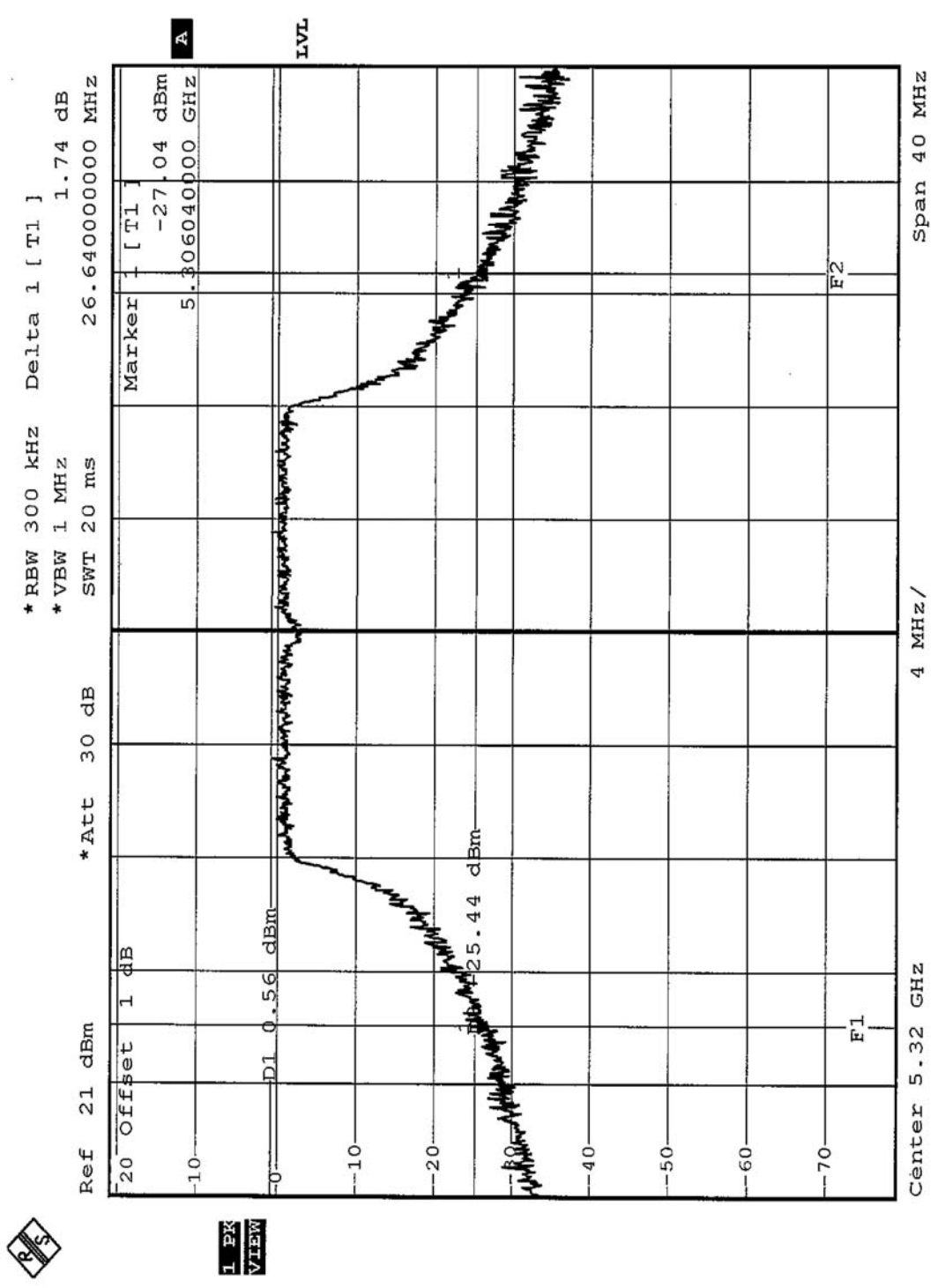


CH5





H8

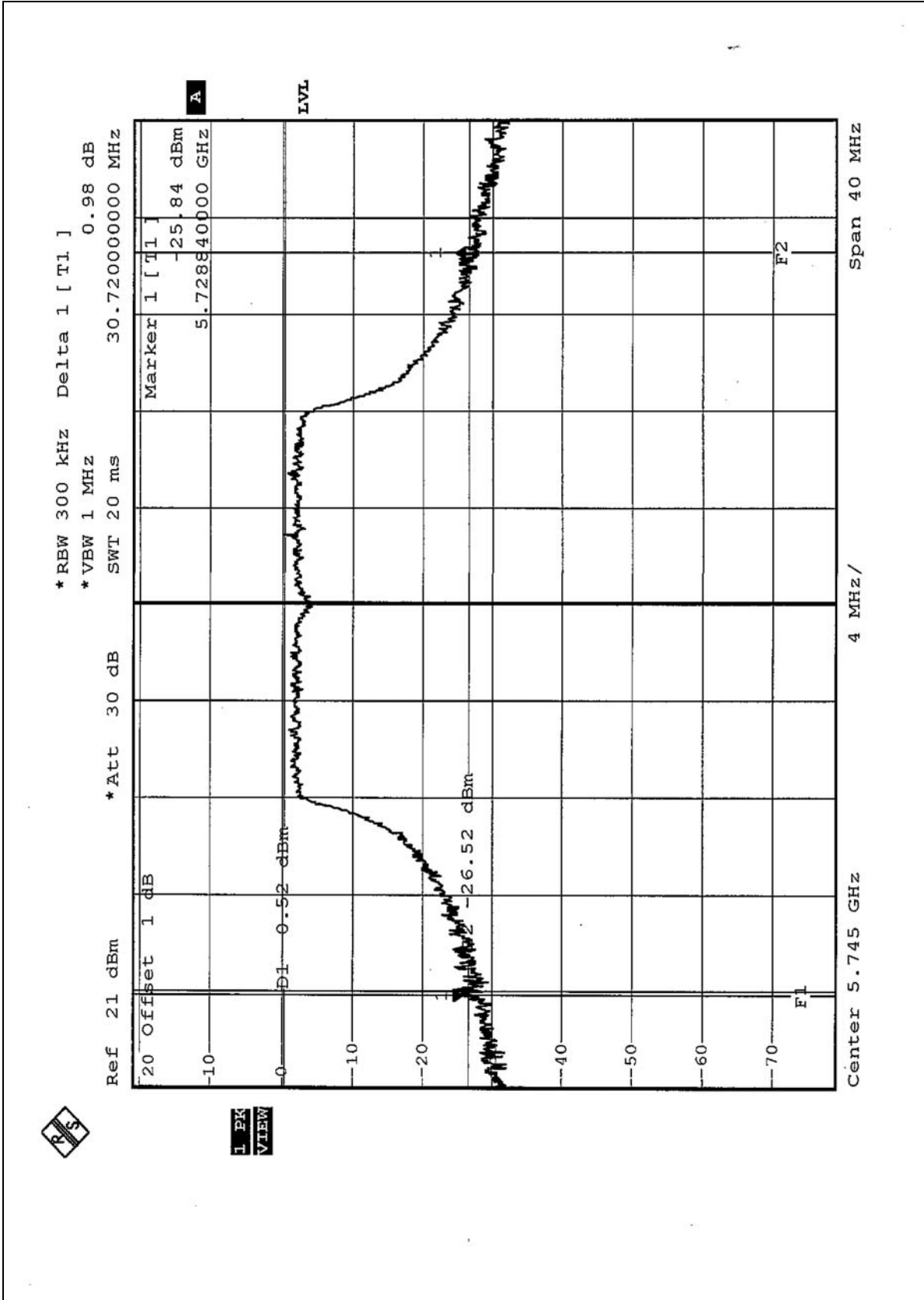


L PK VIEW

C

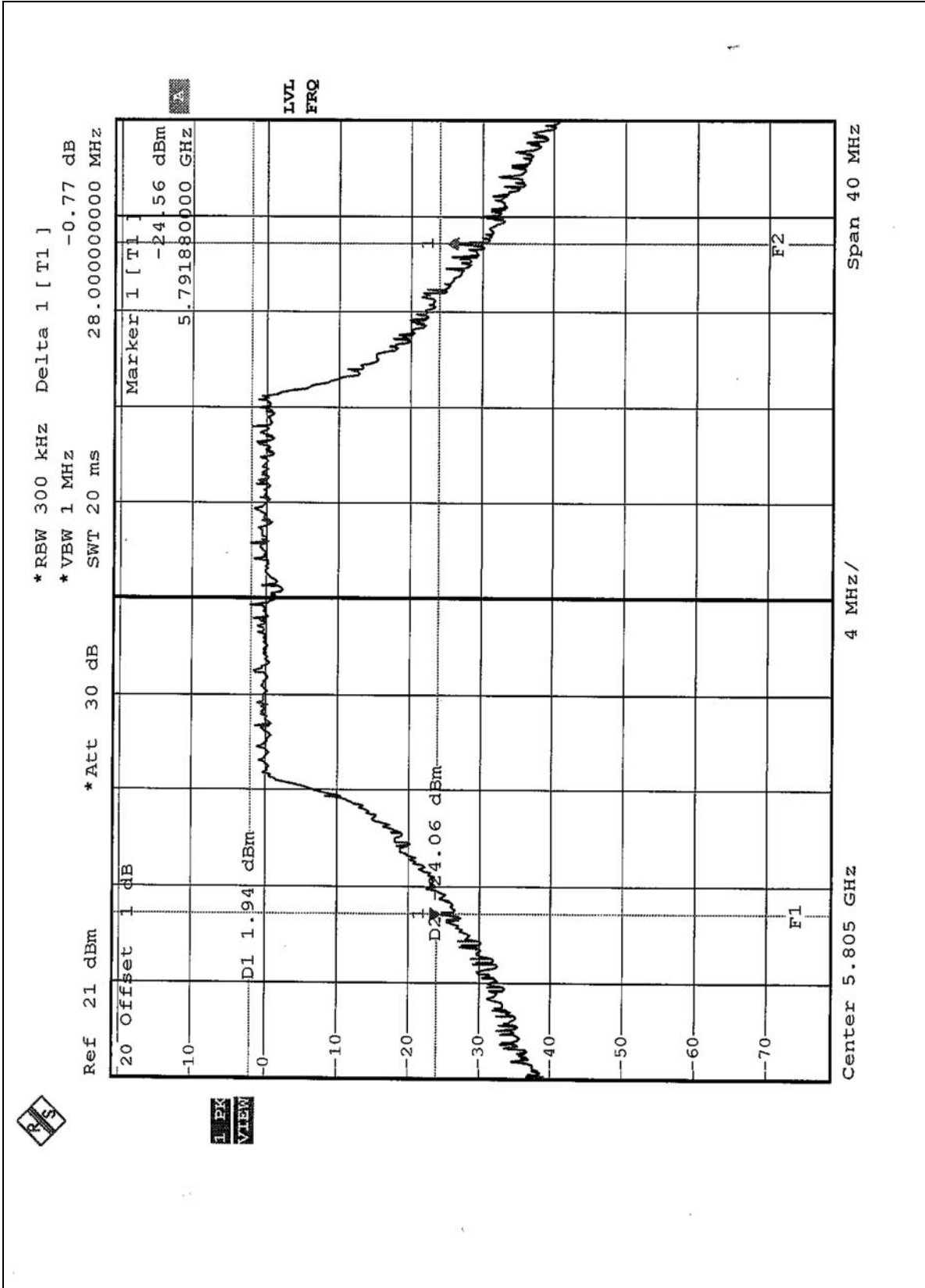


CH9





CH12



**TURBO MODE**

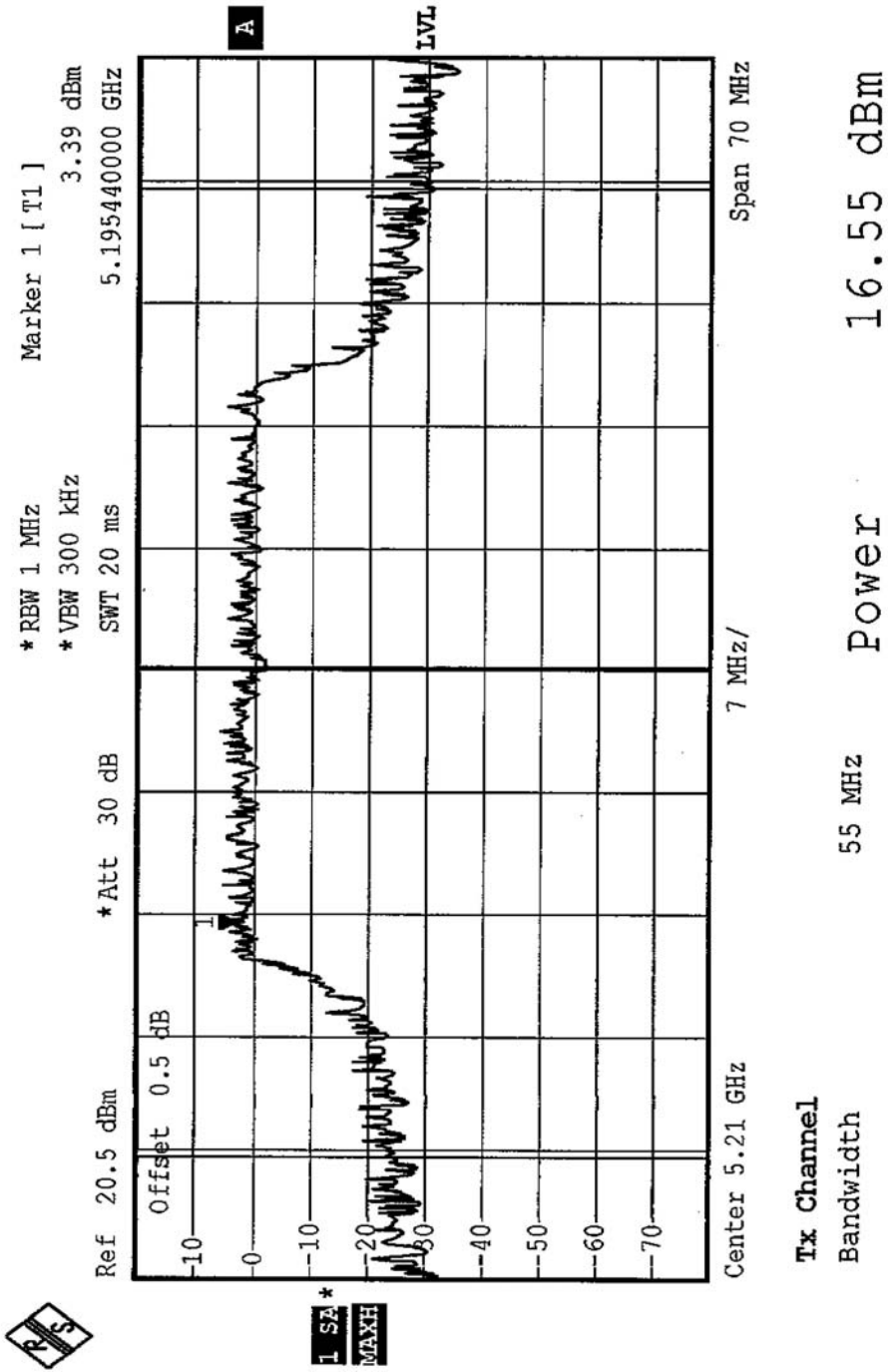
EUT	Atheros 11a/g Card Bus Adapter	MODEL	NL-5354CB Plus Aries2
ENVIRONMENTAL CONDITIONS	21deg. C, 60%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Jamison Chan		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5210	16.55	17.00	57.44	PASS
2	5250	16.83	17.00	53.44	PASS
3	5290	17.36	24.00	53.44	PASS
4	5760	14.54	24.00	49.92	PASS
5	5800	14.72	30.00	49.44	PASS

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

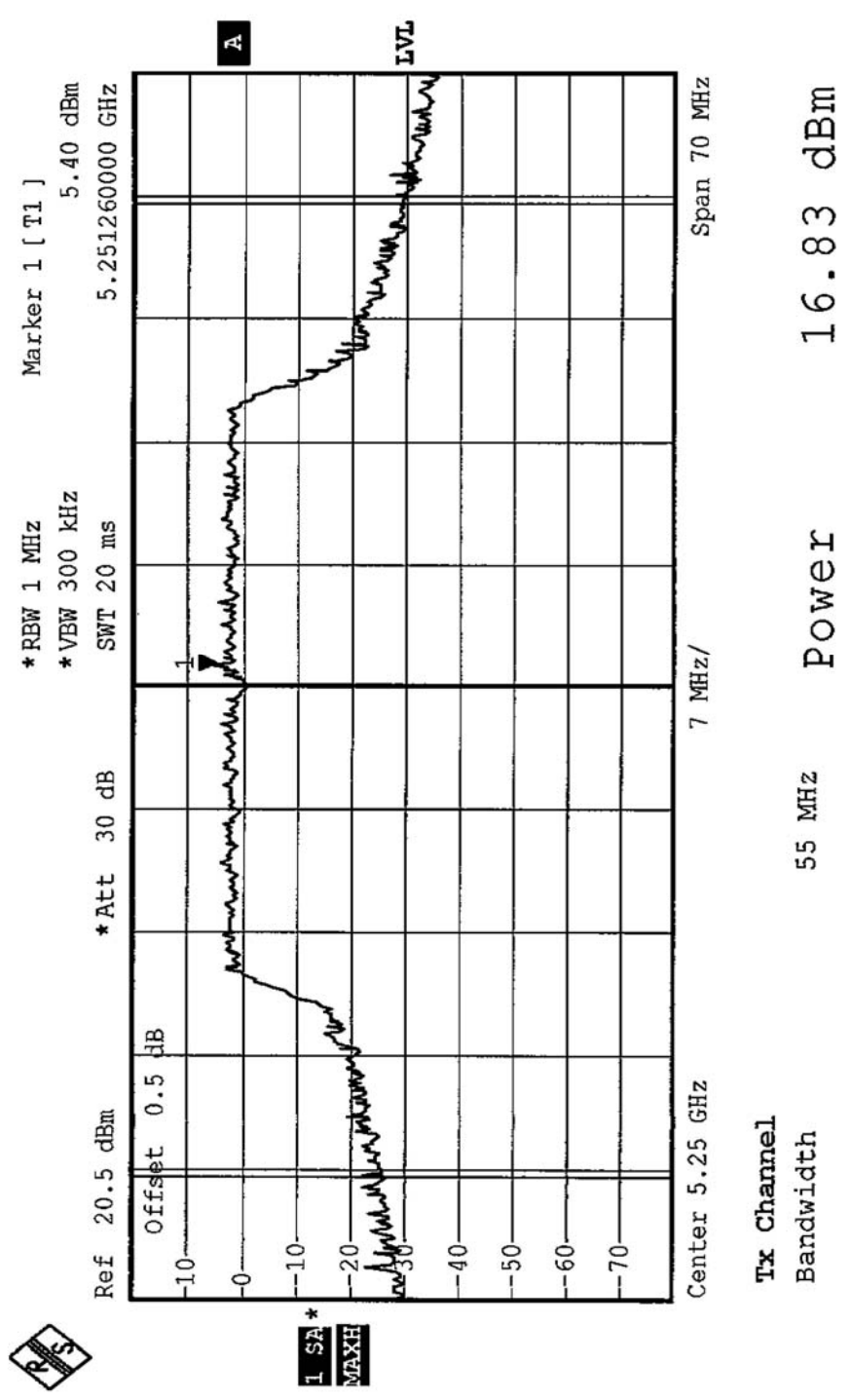


CH1



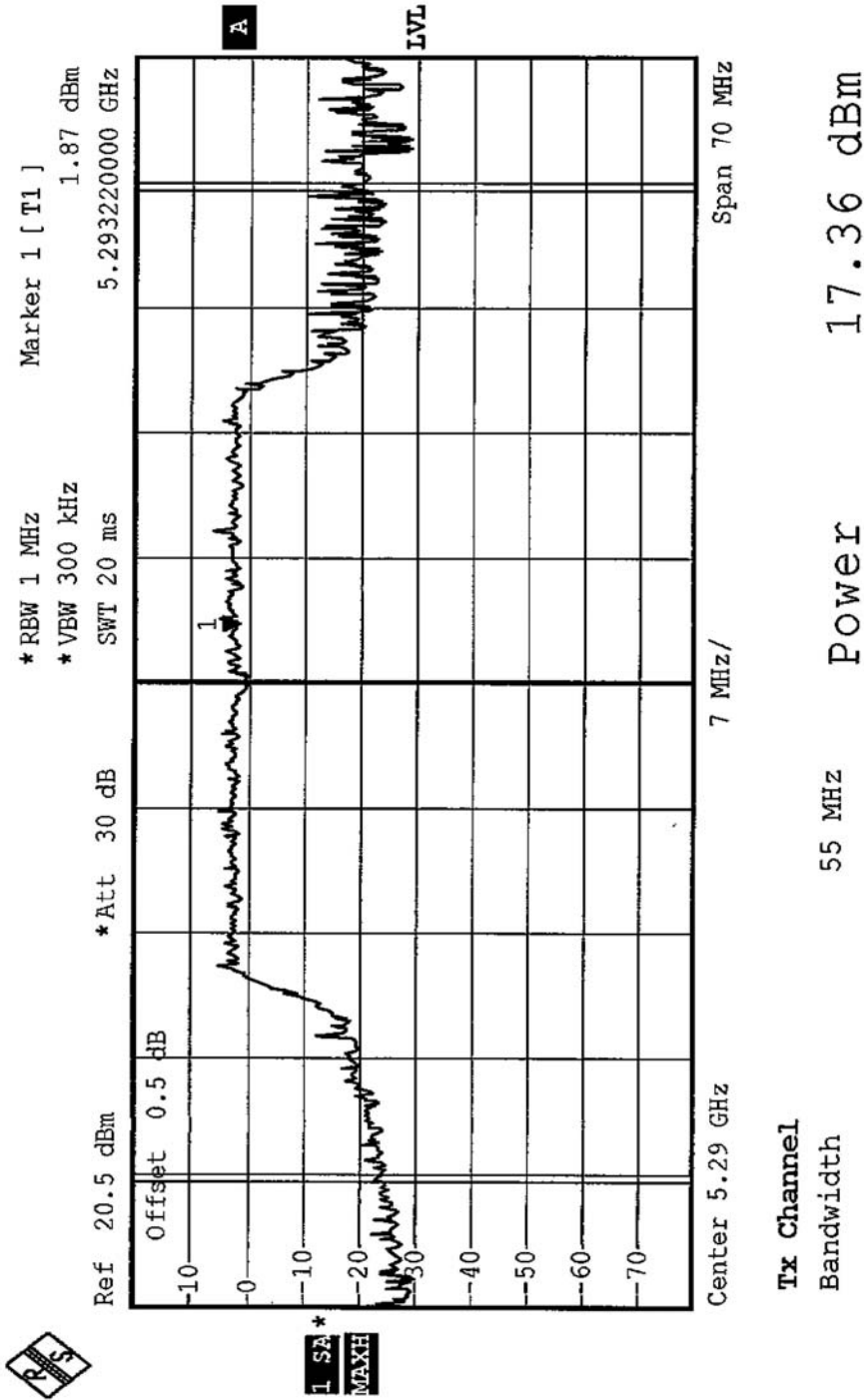


CH2



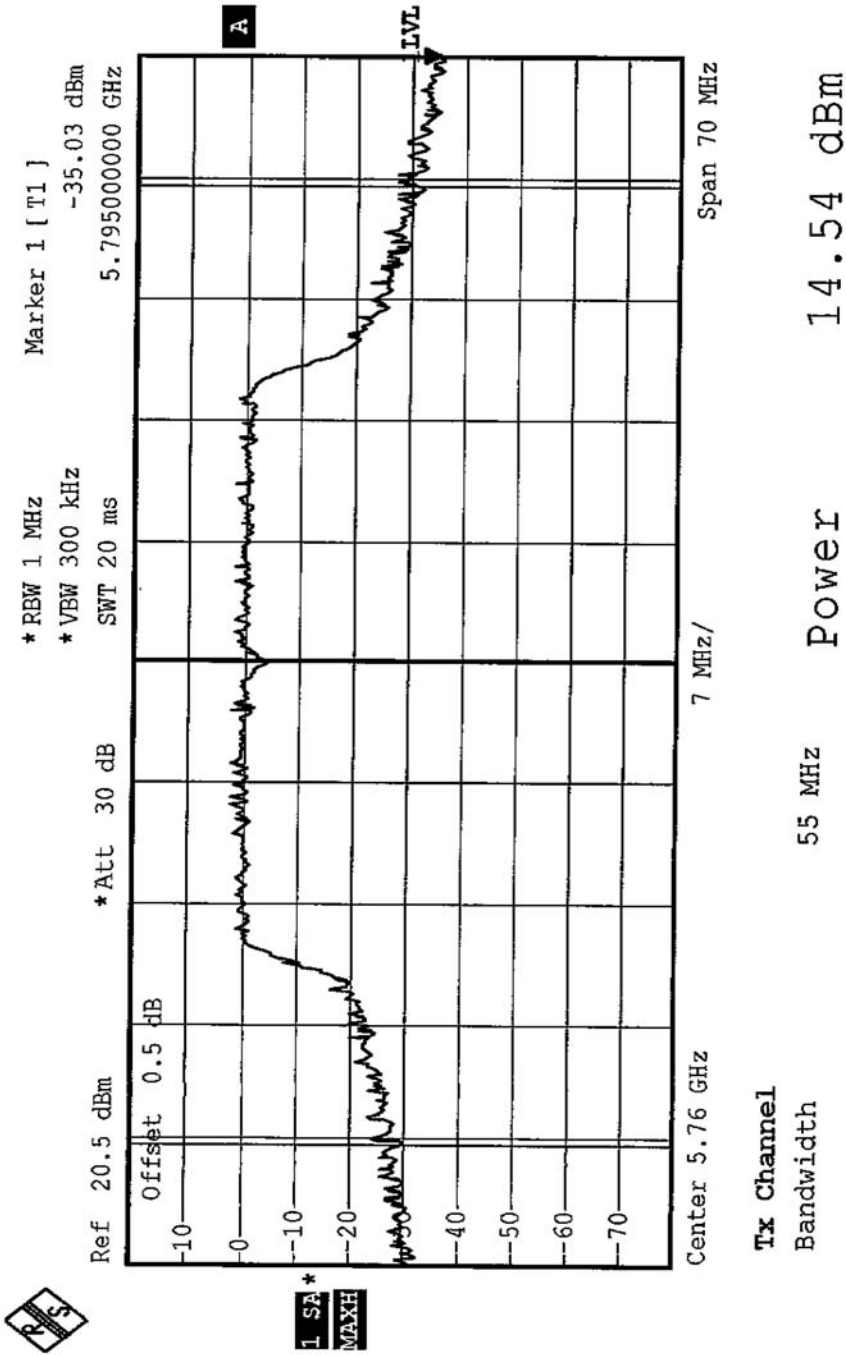


CH3



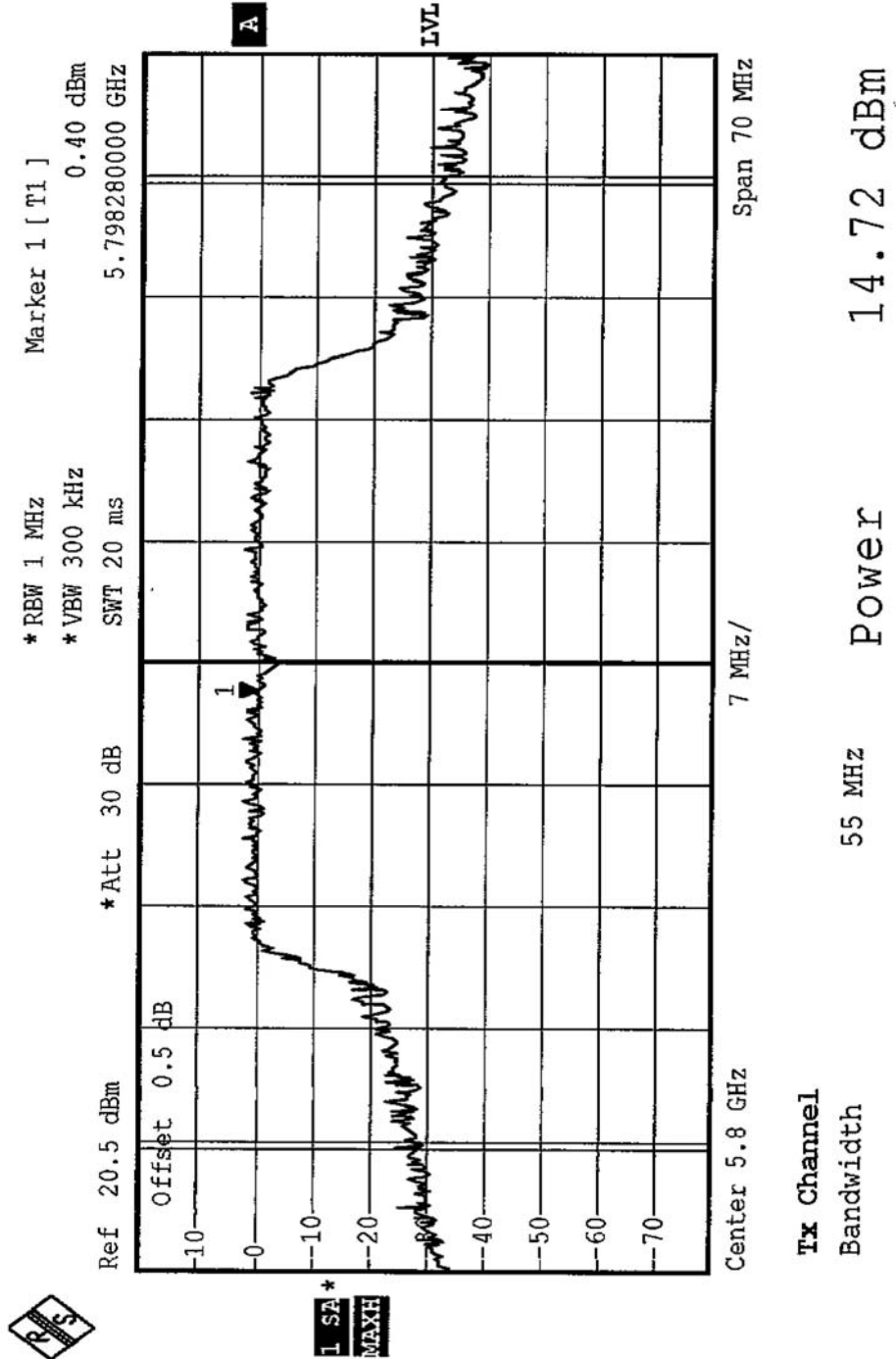


CH4



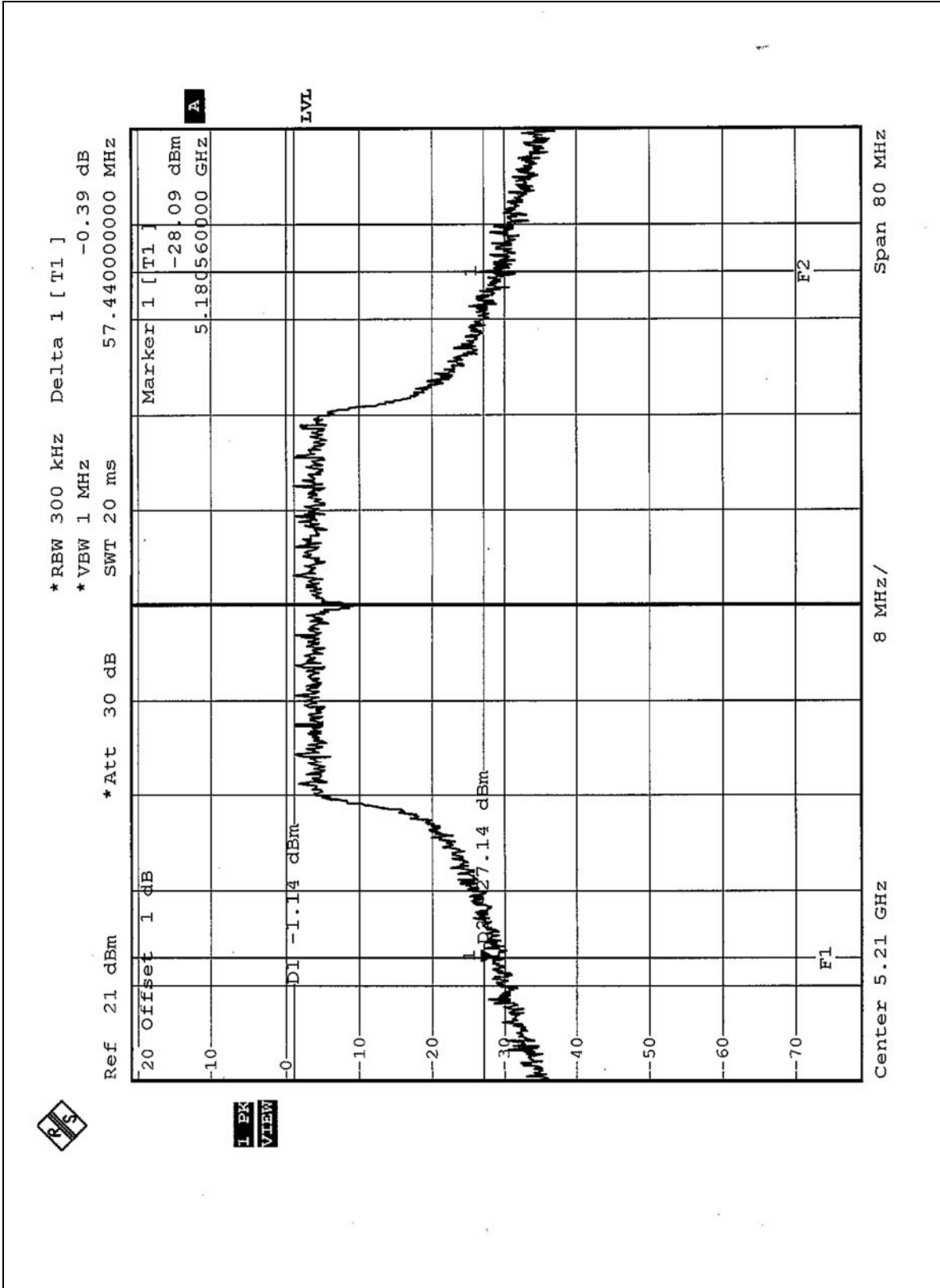


CH5



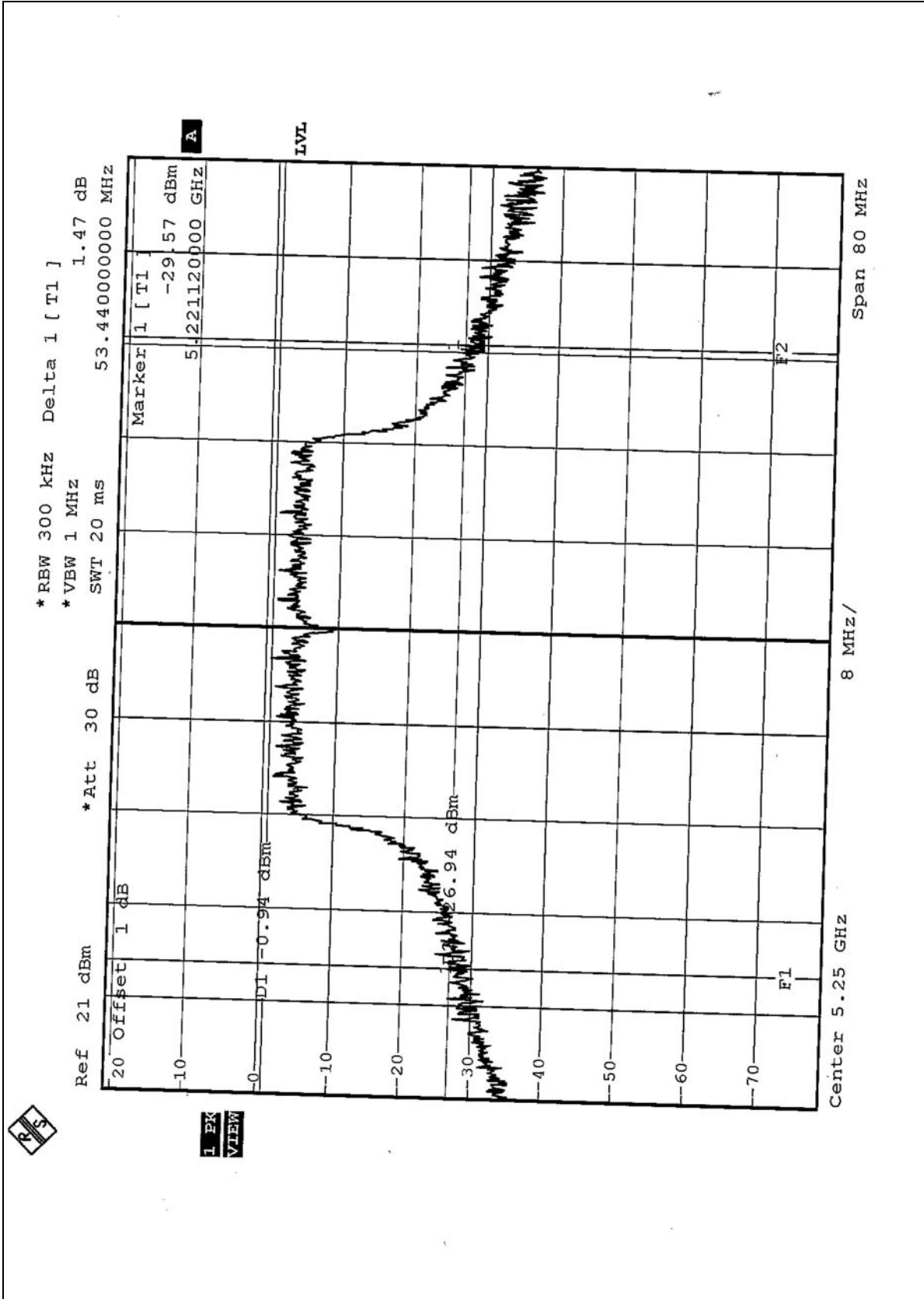


CH 1





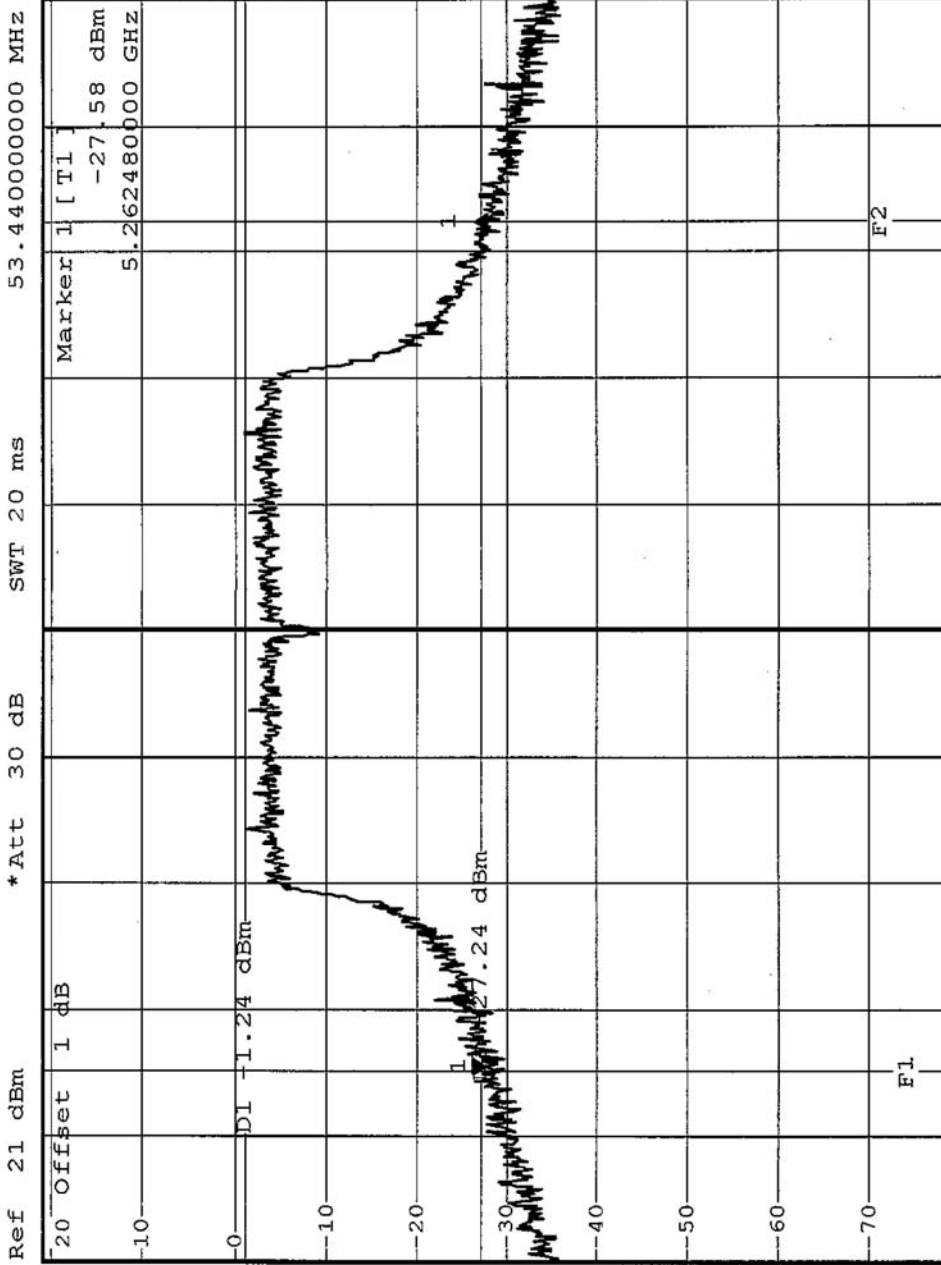
CH2





CH3

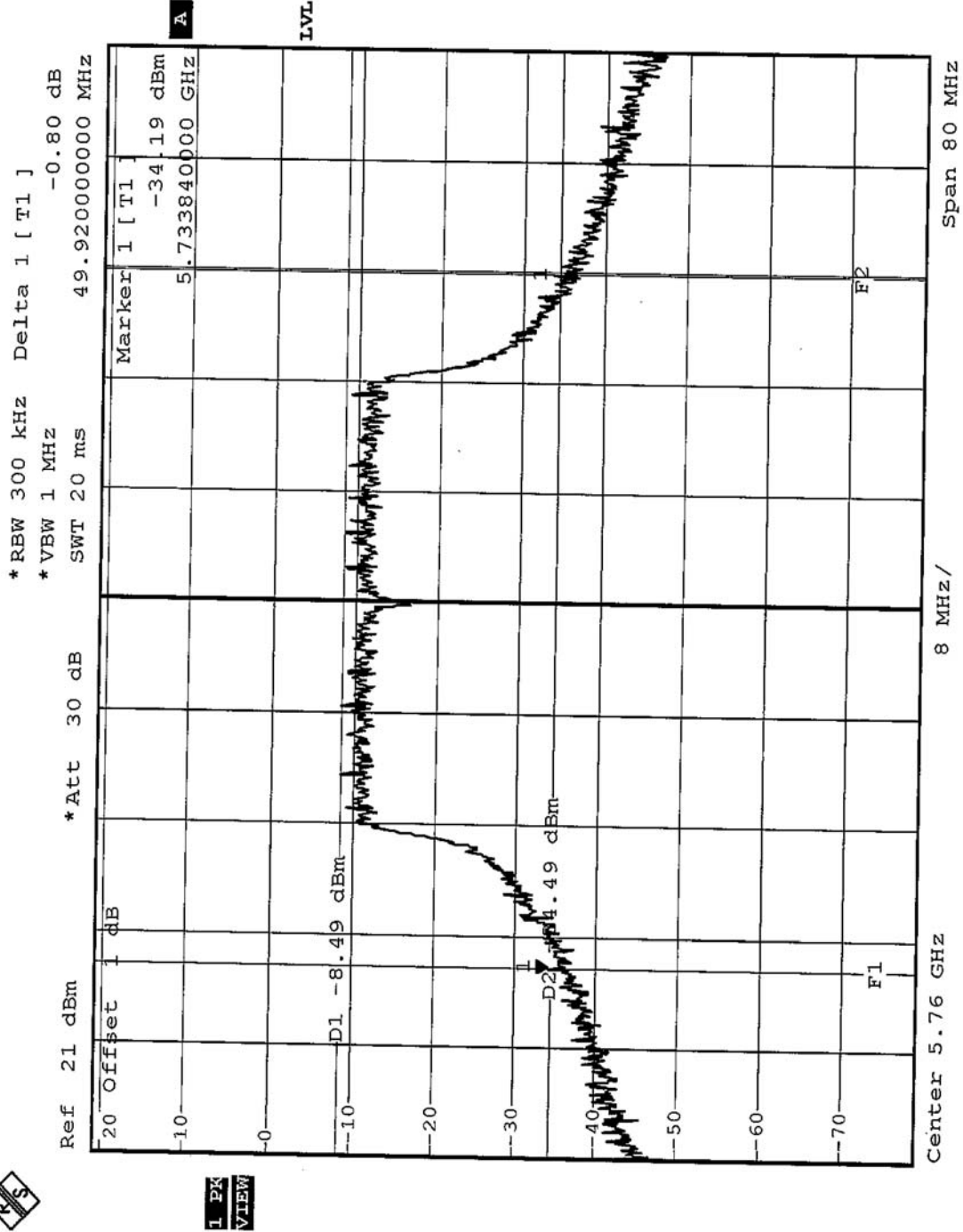
* RBW 300 kHz Delta 1 [T1]
* VBW 1 MHz 1.03 dB
* Att 30 dB 53.44000000 MHz



L PK
VIEW



CH4





CH5

