

12.0 Appendix A

Sub band A1 (operating center frequencies: 2306.25 and 2351.25 MHz)

Plot Number	Description
1.1	Scan 10 MHz – 1 GHz
1.2	Scan 1 GHz – 2.300 GHz
1.3	Scan 2.300 GHz – 2.310 GHz
1.4	Scan 2.315 GHz – 2.320 GHz
1.5	Scan 2.320 GHz – 2.345 GHz
1.6	Scan 2.450 GHz – 2.355 GHz
1.7	Scan 2.360 GHz – 2.370 GHz
1.8	Scan 2.370 GHz – 6.4 GHz
1.9	Scan 6.4 GHz – 24 GHz

Sub band A3 (operating center frequencies: 2308.75 and 2353.75 MHz)

Plot Number	Description
2.1	Scan 10 MHz – 1 GHz
2.2	Scan 1 GHz – 2.300 GHz
2.3	Scan 2.300 GHz – 2.310 GHz
2.4	Scan 2.315 GHz – 2.320 GHz
2.5	Scan 2.320 GHz – 2.345 GHz
2.6	Scan 2.450 GHz – 2.355 GHz
2.7	Scan 2.360 GHz – 2.370 GHz
2.8	Scan 2.370 GHz – 6.4 GHz
2.9	Scan 6.4 GHz – 24 GHz

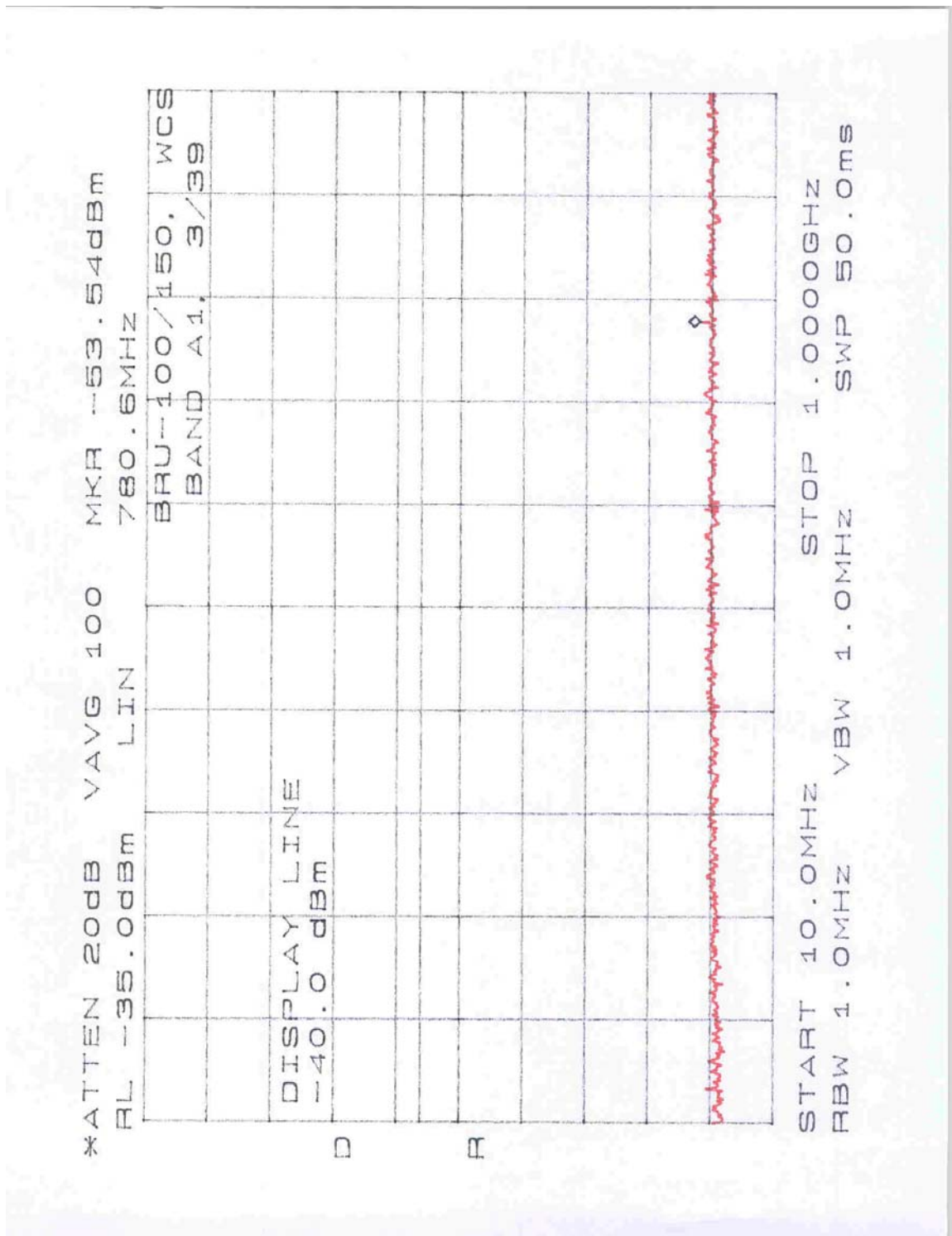
Sub band B1 (operating center frequencies: 2311.25 and 2356.25 MHz)

Plot Number	Description
3.1	Scan 10 MHz – 1 GHz
3.2	Scan 1 GHz – 2.300 GHz
3.3	Scan 2.300 GHz – 2.310 GHz
3.4	Scan 2.315 GHz – 2.320 GHz
3.5	Scan 2.320 GHz – 2.345 GHz
3.6	Scan 2.450 GHz – 2.355 GHz
3.7	Scan 2.360 GHz – 2.370 GHz
3.8	Scan 2.370 GHz – 6.4 GHz
3.9	Scan 6.4 GHz – 24 GHz

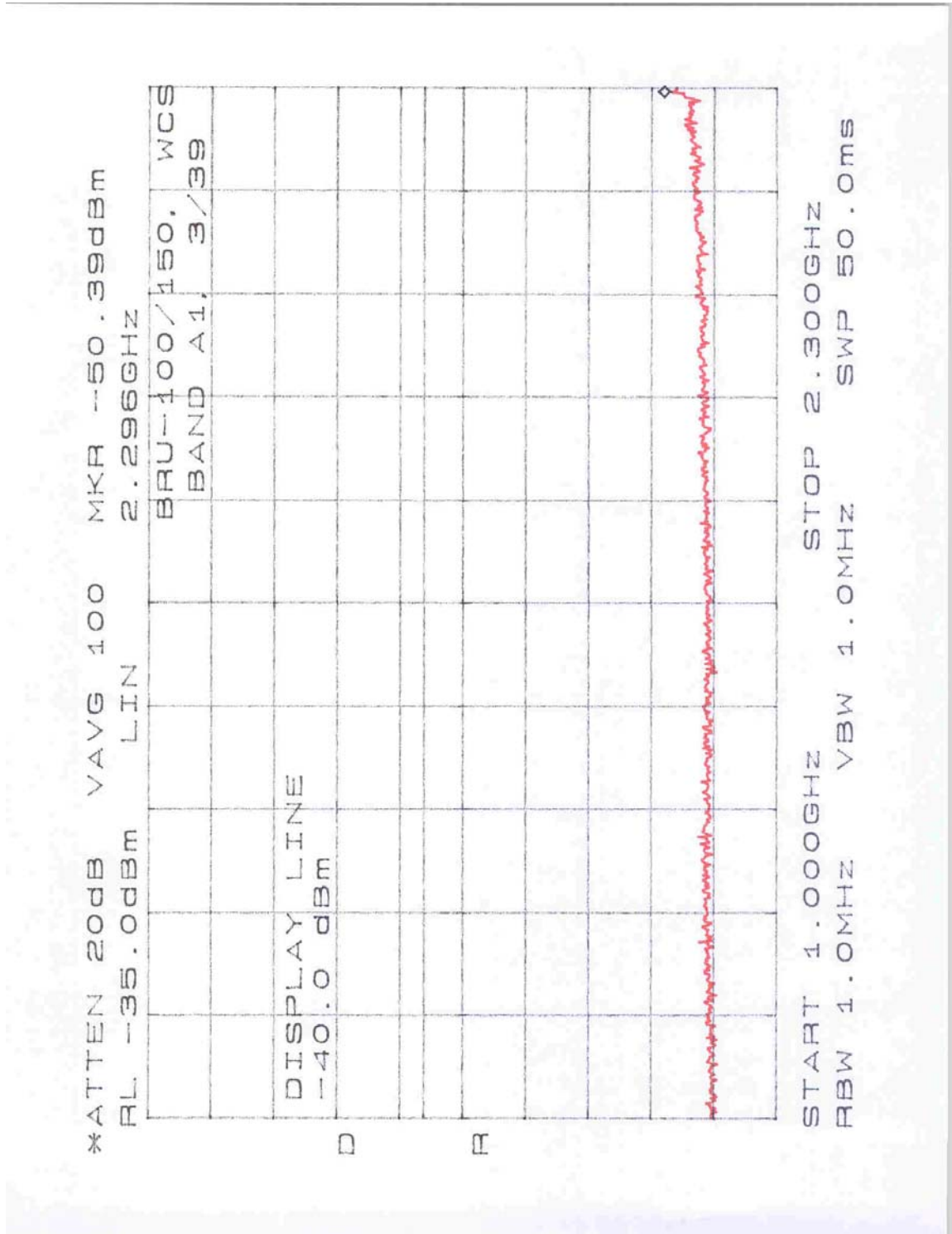
Sub band B3 (operating center frequencies: 2313.75 and 2358.75 MHz)

Plot Number	Description
3.1	Scan 10 MHz – 1 GHz
3.2	Scan 1 GHz – 2.300 GHz
3.3	Scan 2.300 GHz – 2.310 GHz
3.4	Scan 2.315 GHz – 2.320 GHz
3.5	Scan 2.320 GHz – 2.345 GHz
3.6	Scan 2.450 GHz – 2.355 GHz
3.7	Scan 2.360 GHz – 2.370 GHz
3.8	Scan 2.370 GHz – 6.4 GHz
3.9	Scan 6.4 GHz – 24 GHz

Plot 1.1



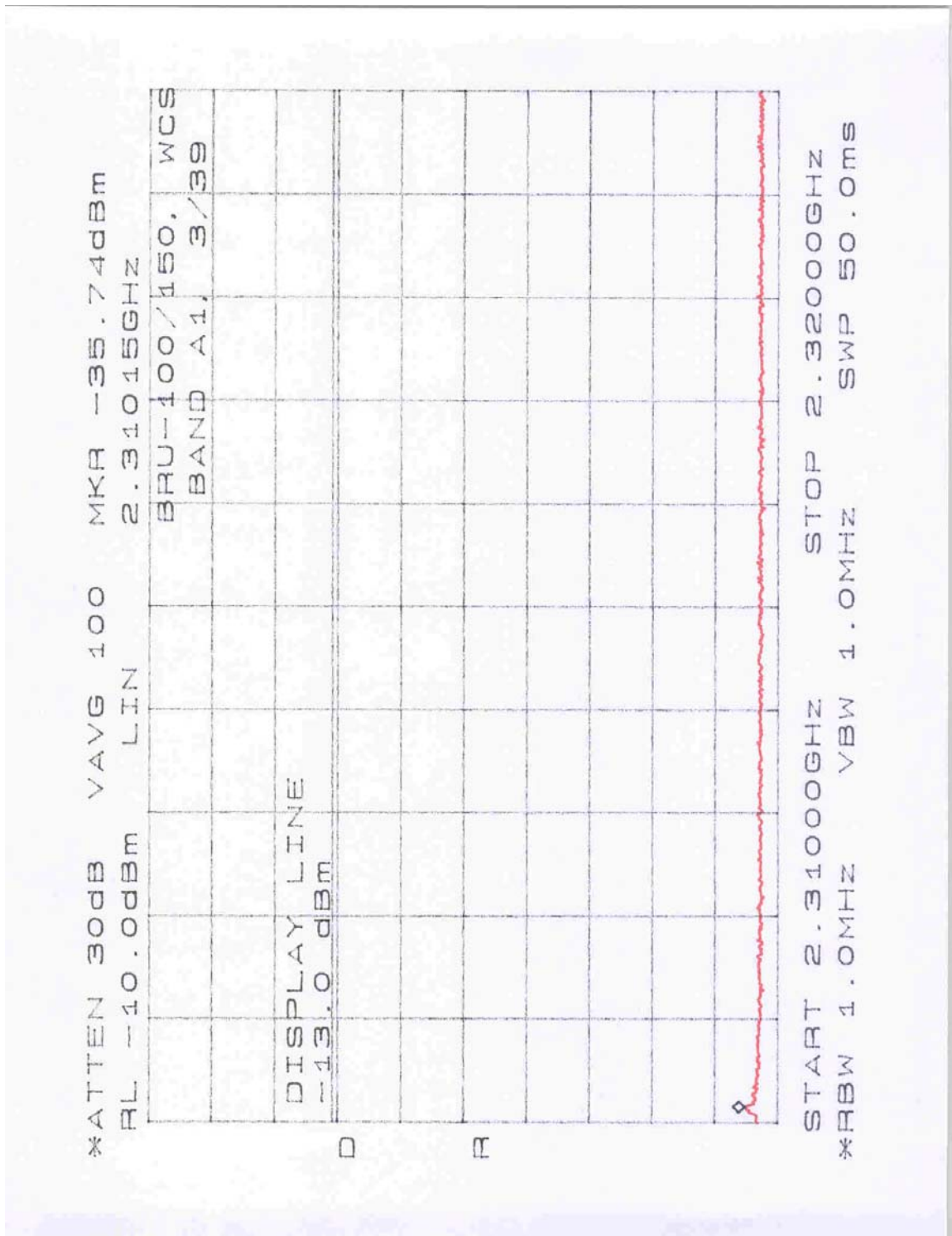
Plot 1.2



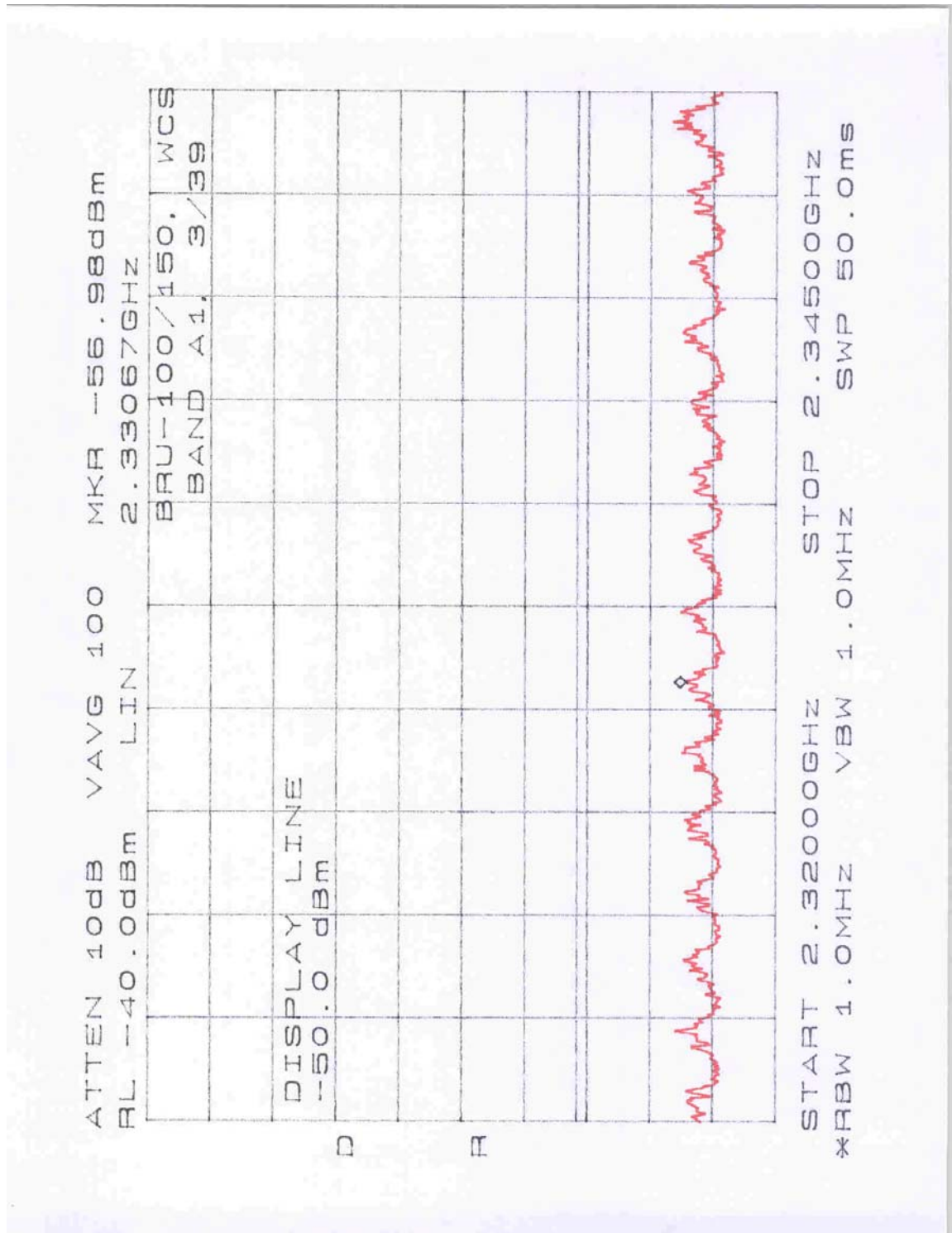
Plot 1.3



Plot 1.4



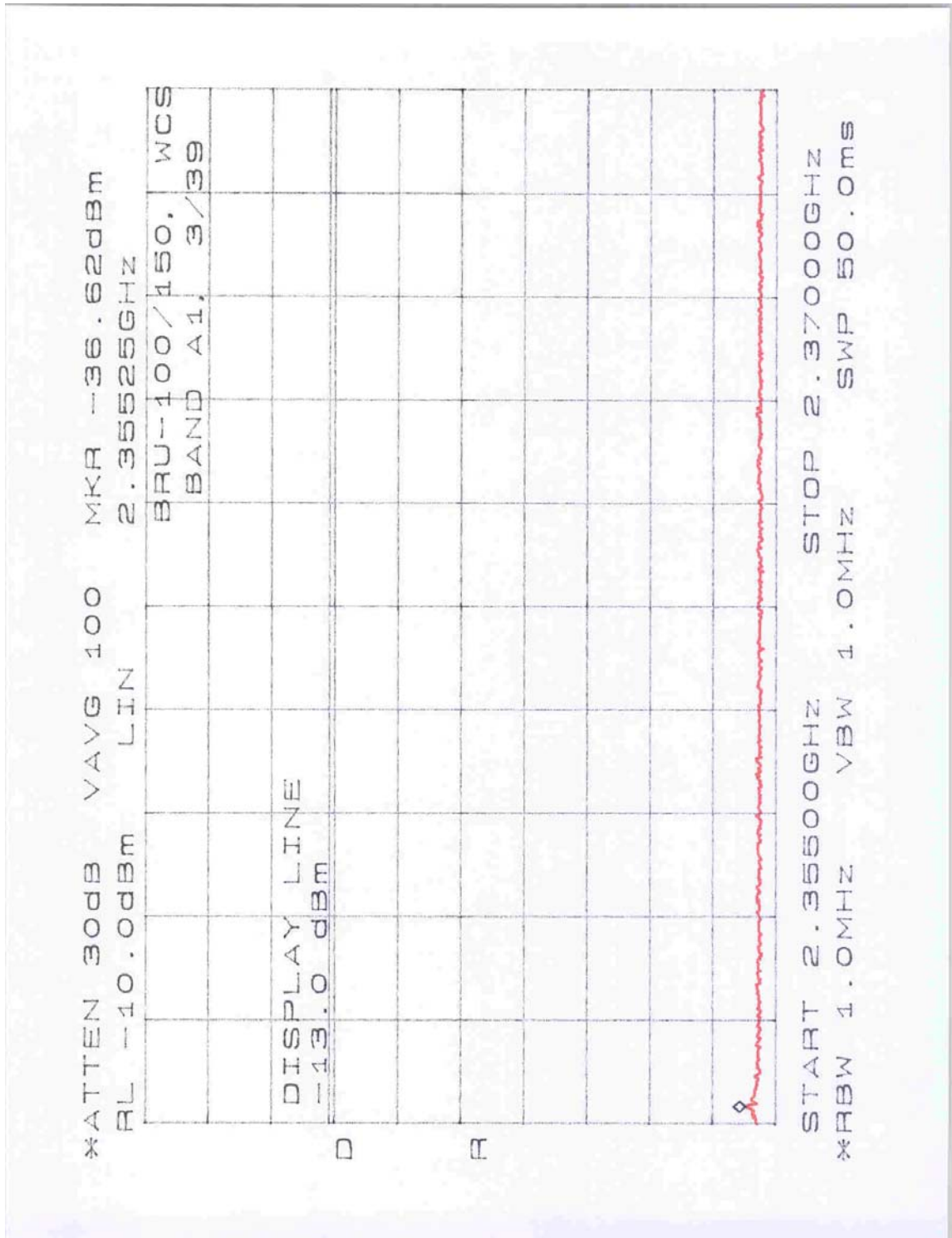
Plot 1.5



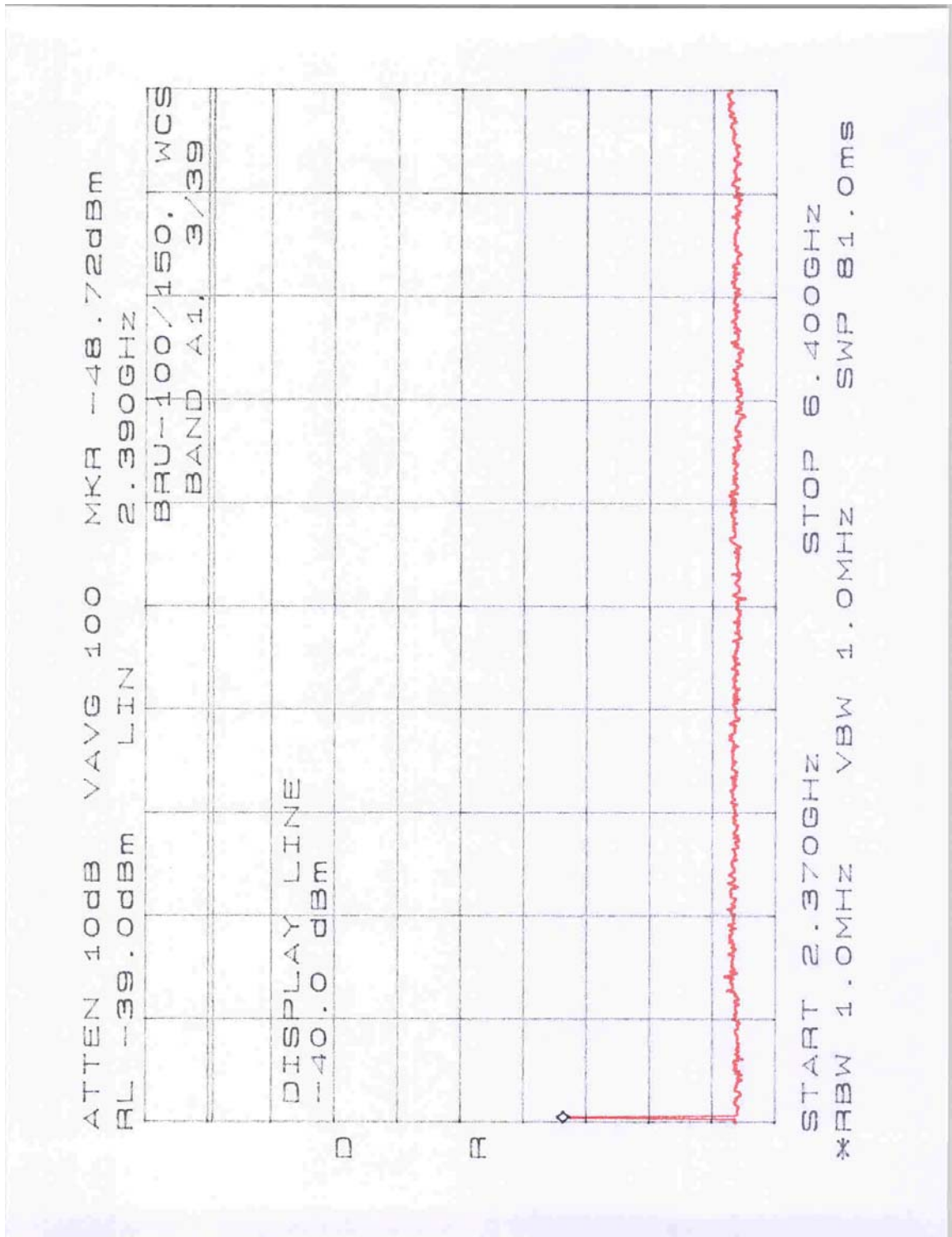
Plot 1.6



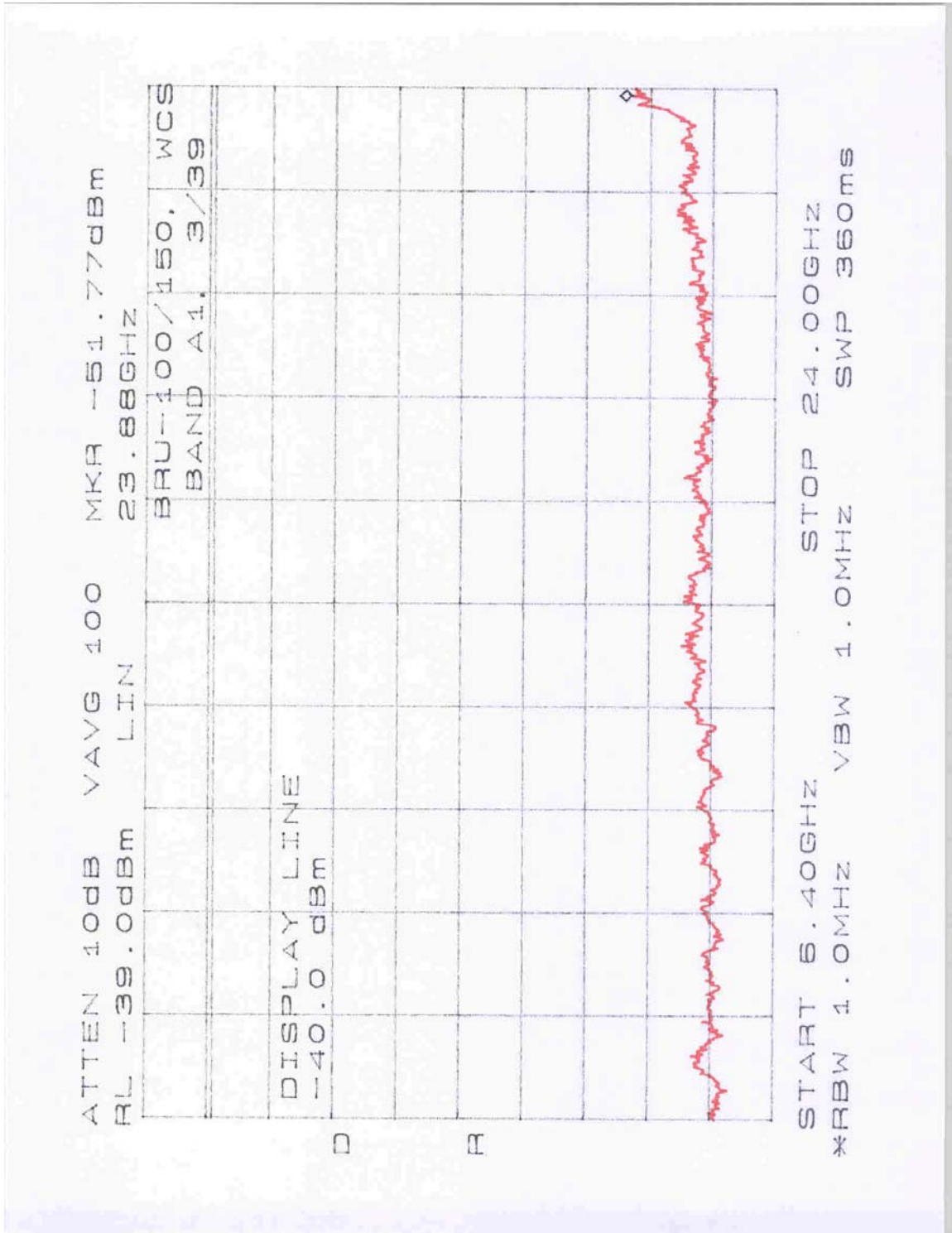
Plot 1.7



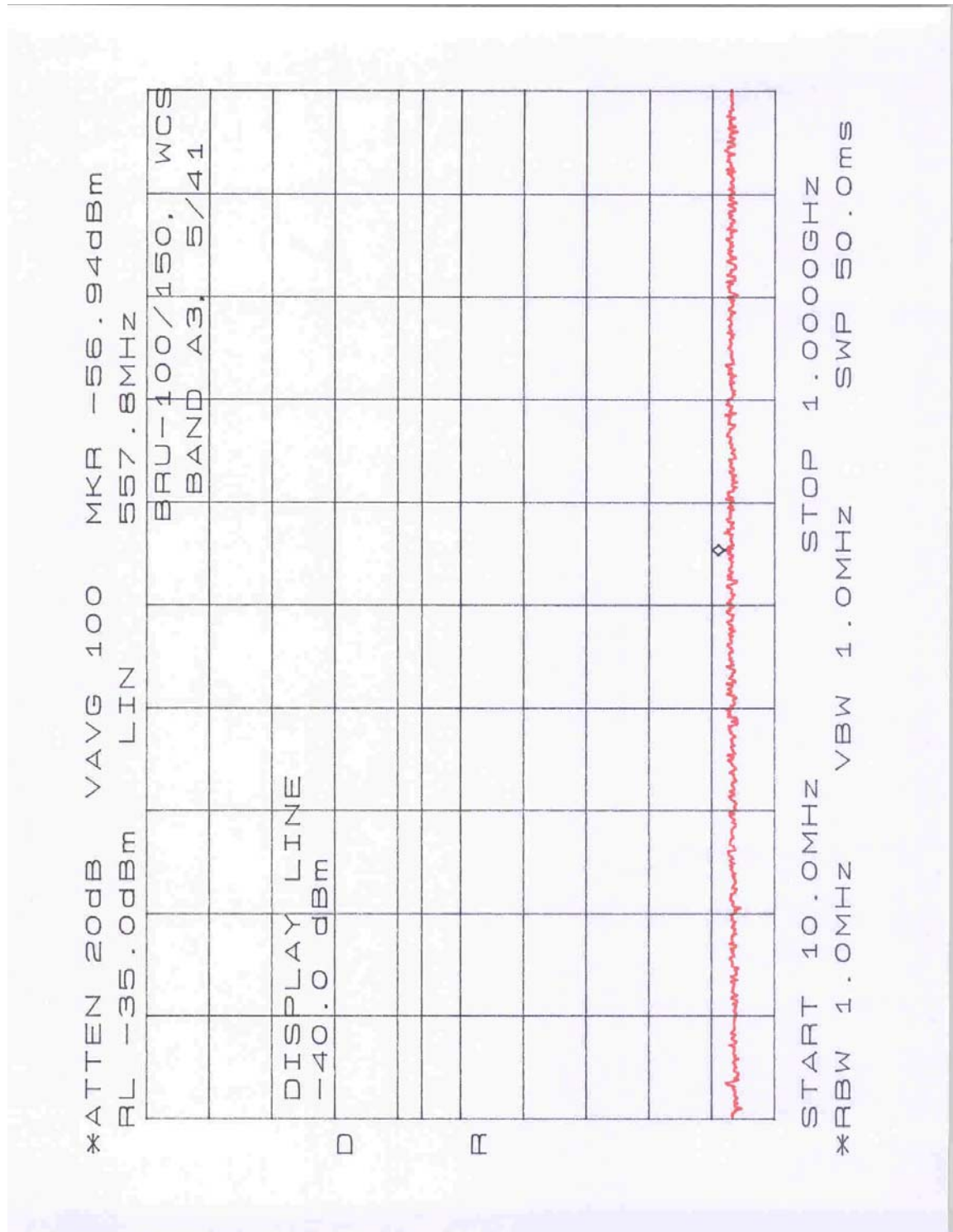
Plot 1.8



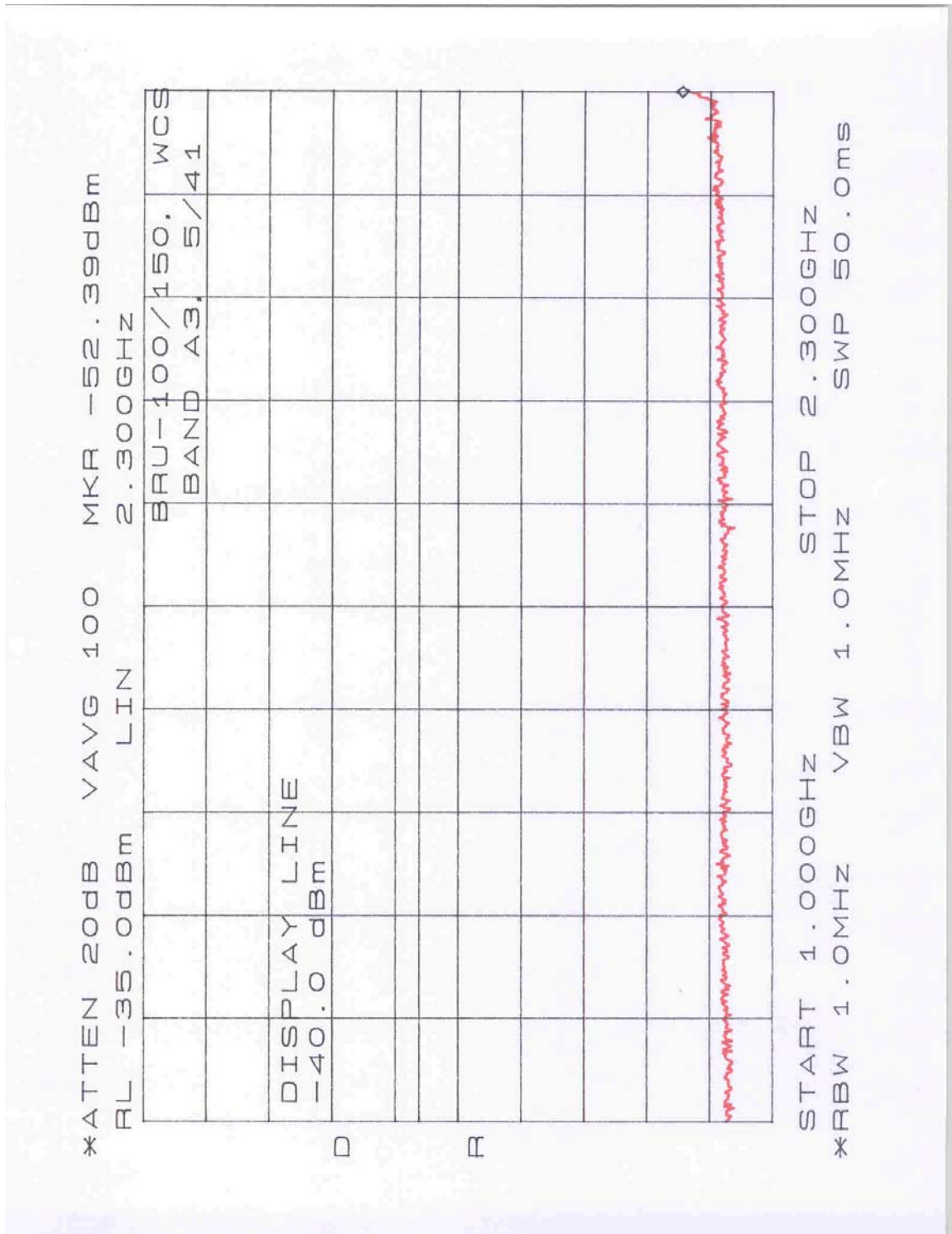
Plot 1.9



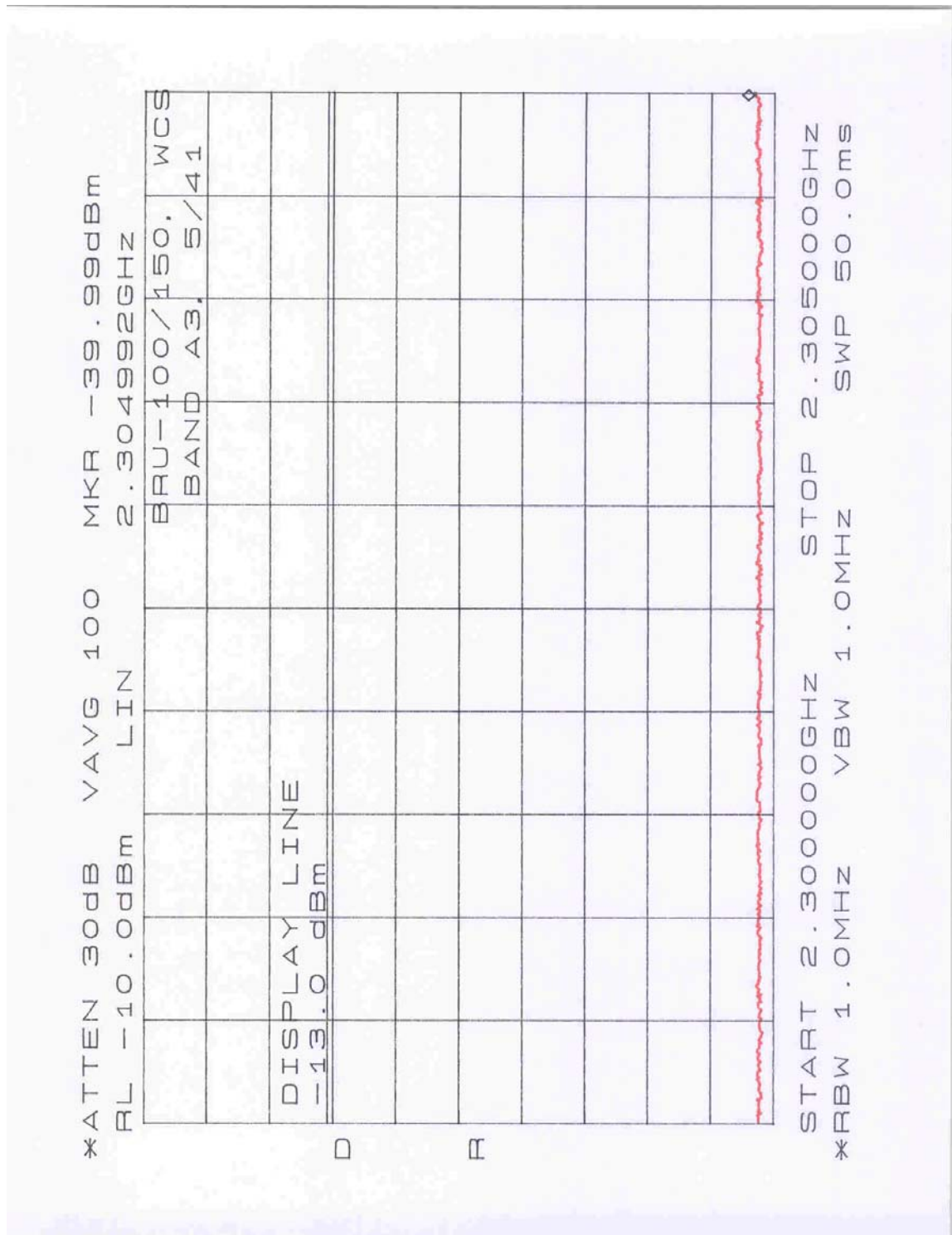
Plot 2.1



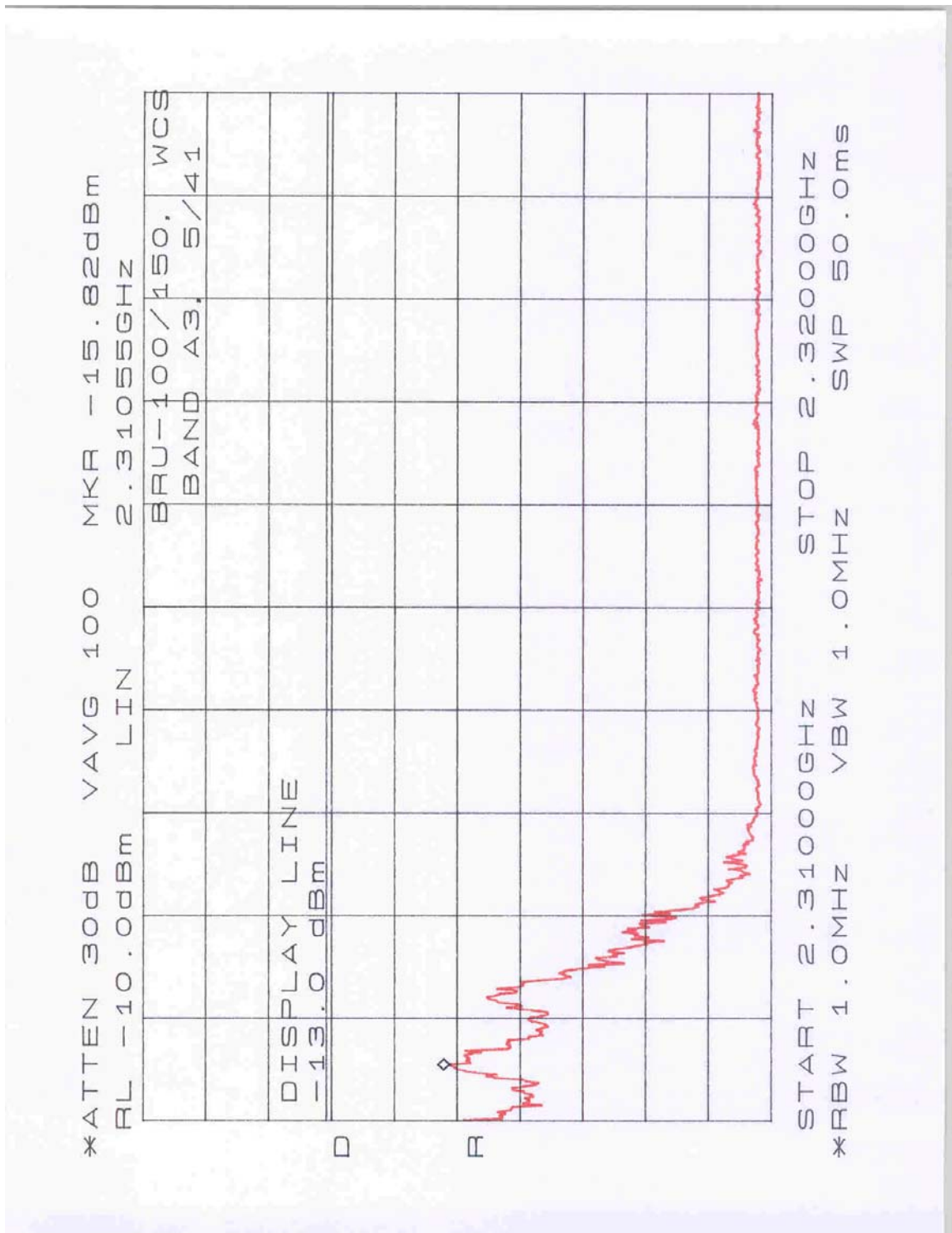
Plot 2.2



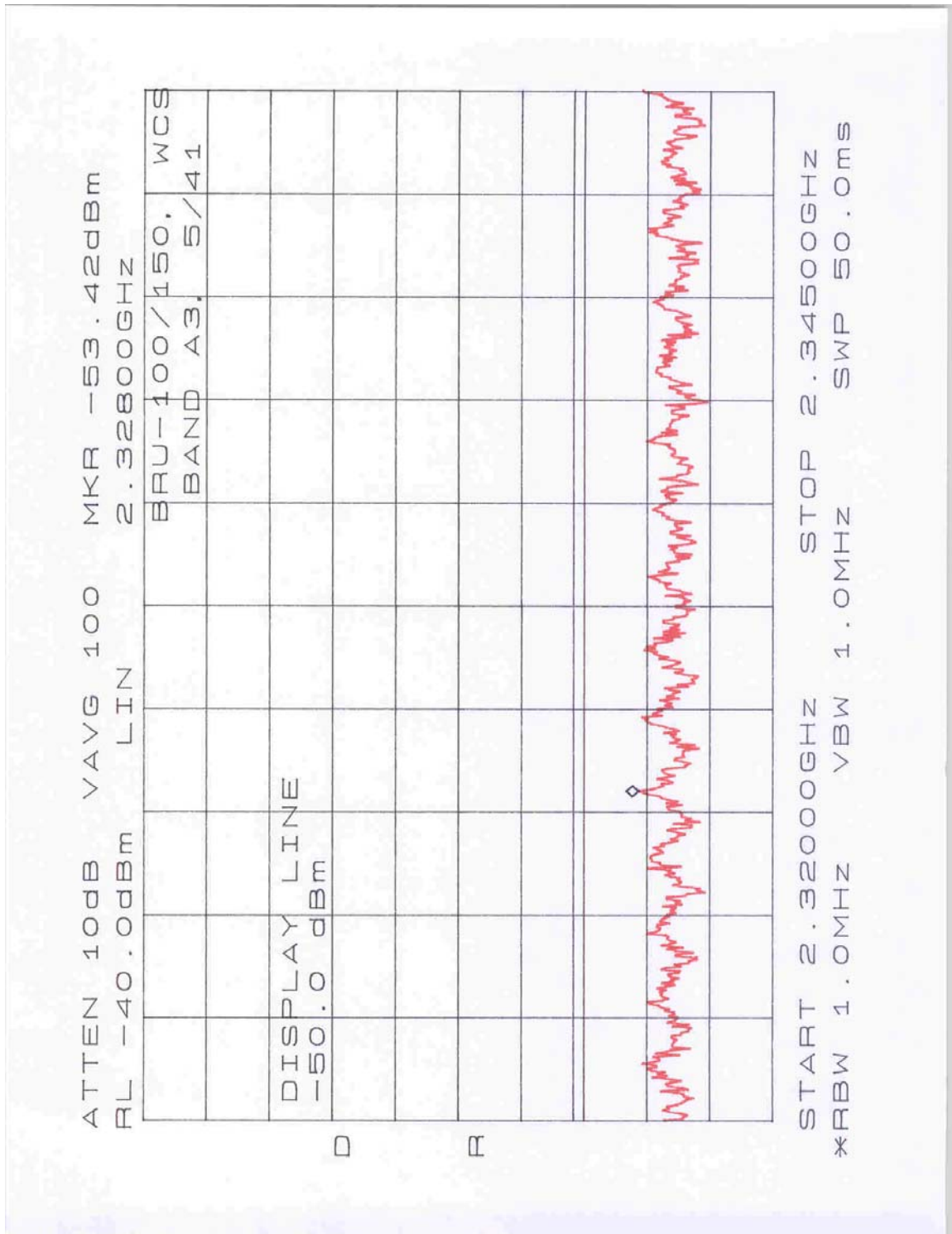
Plot 2.3



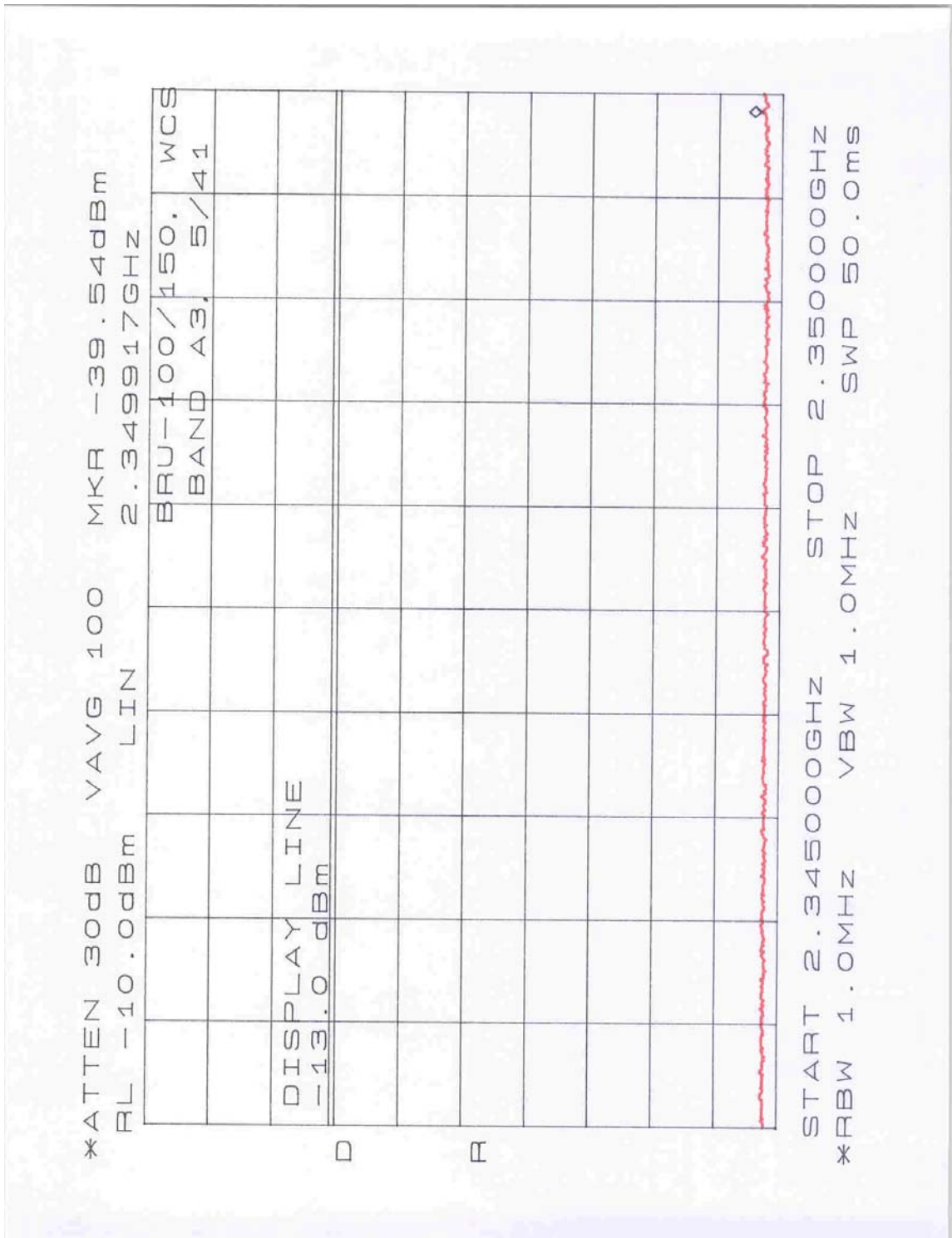
Plot 2.4



Plot 2.5



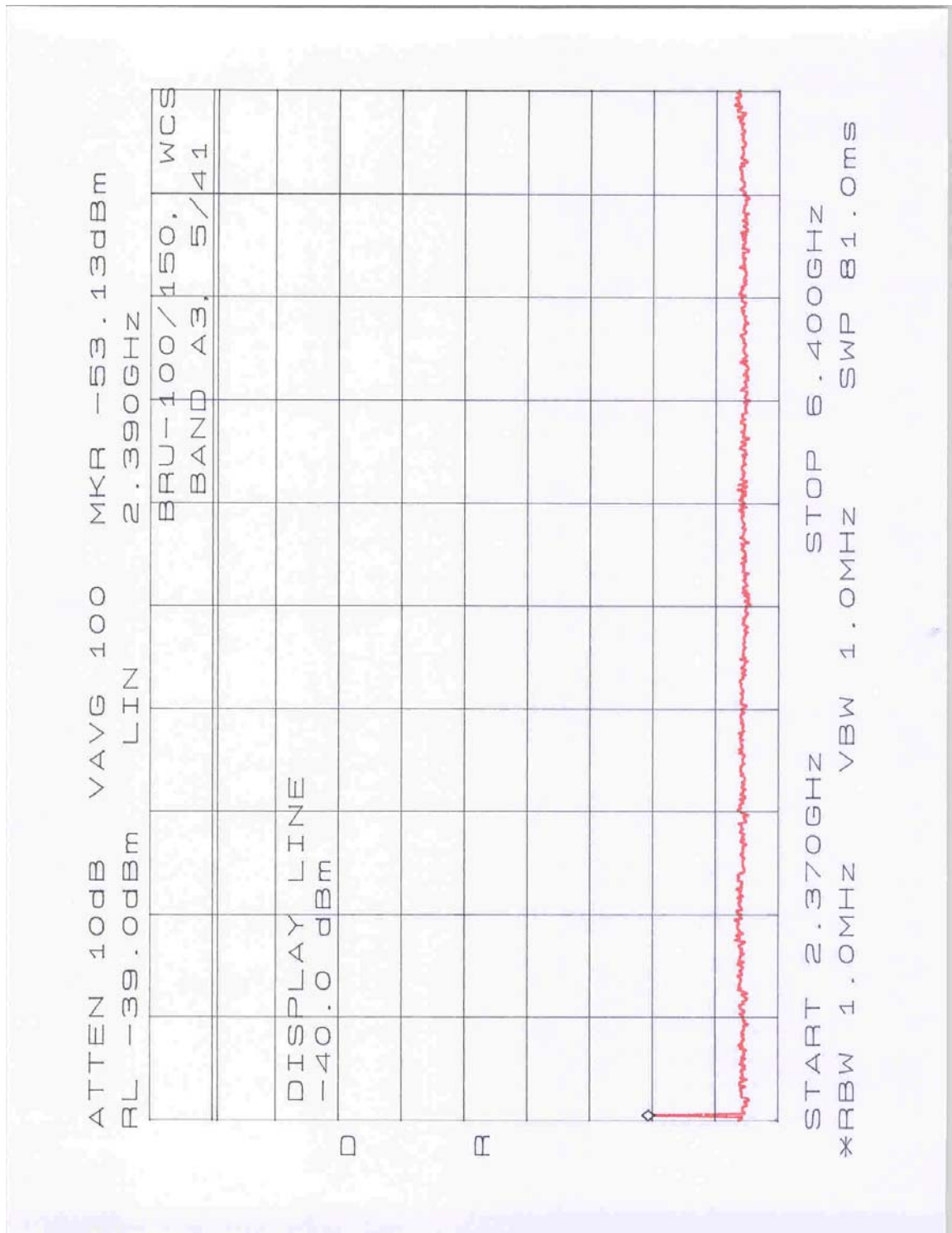
Plot 2.6



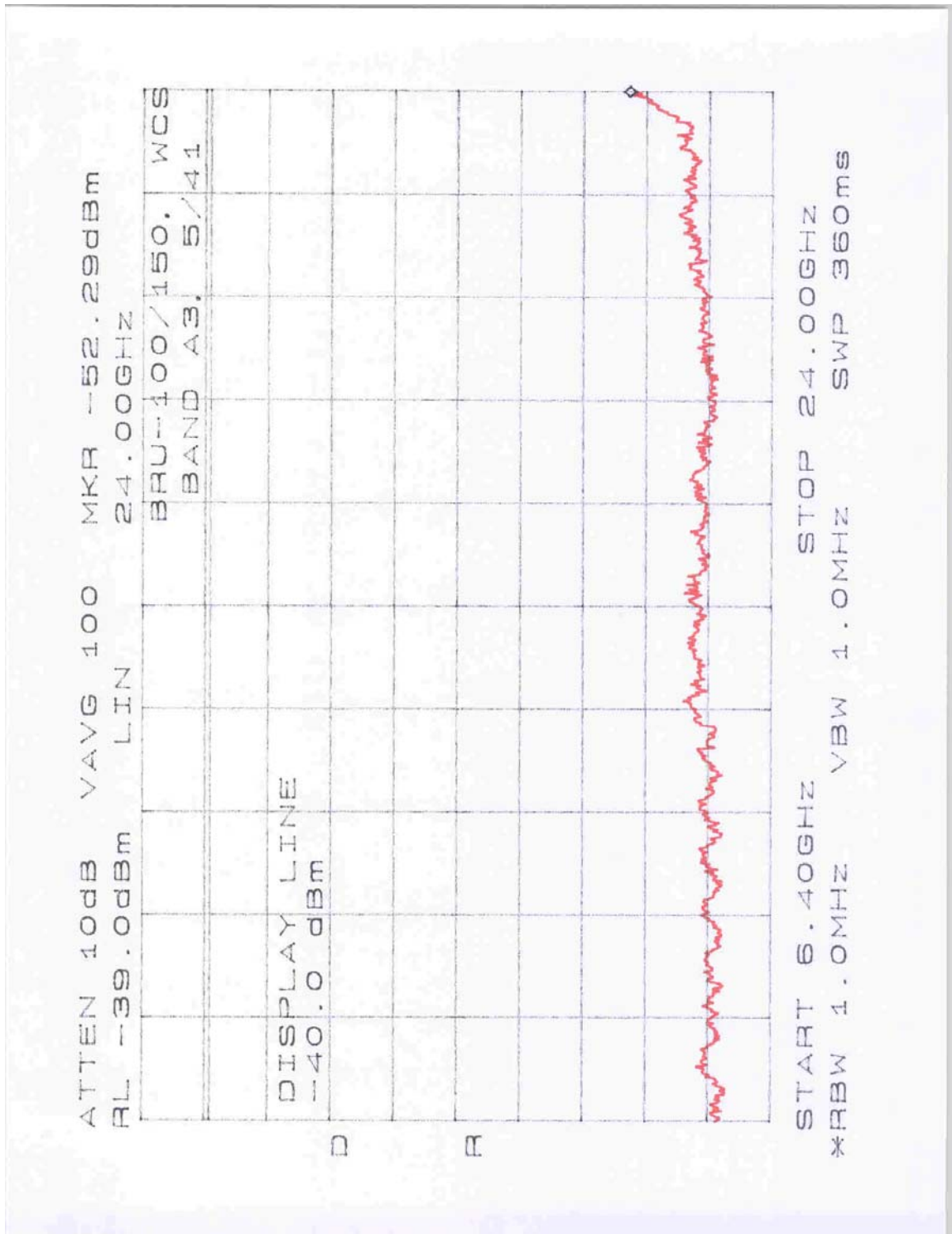
Plot 2.7



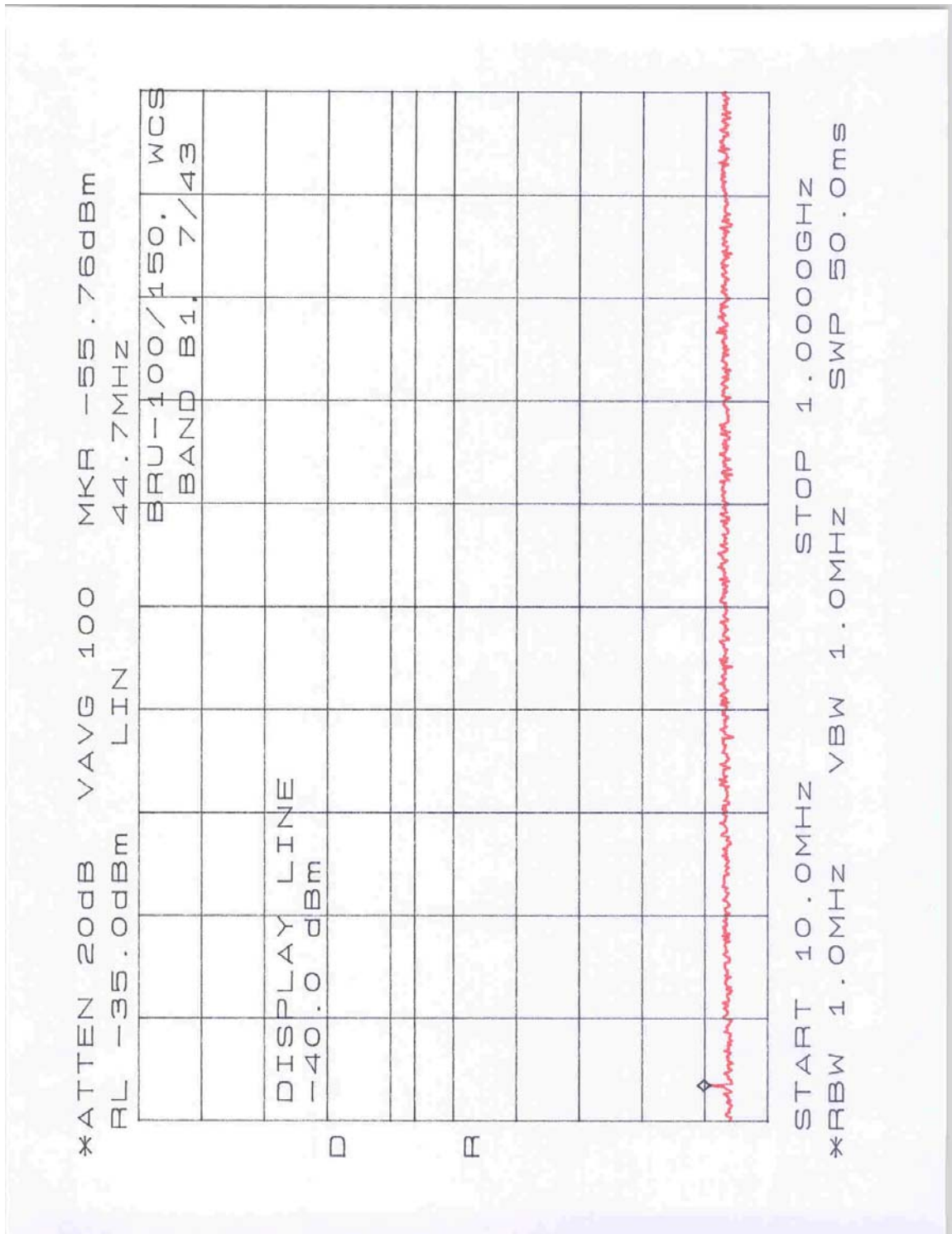
Plot 2.8



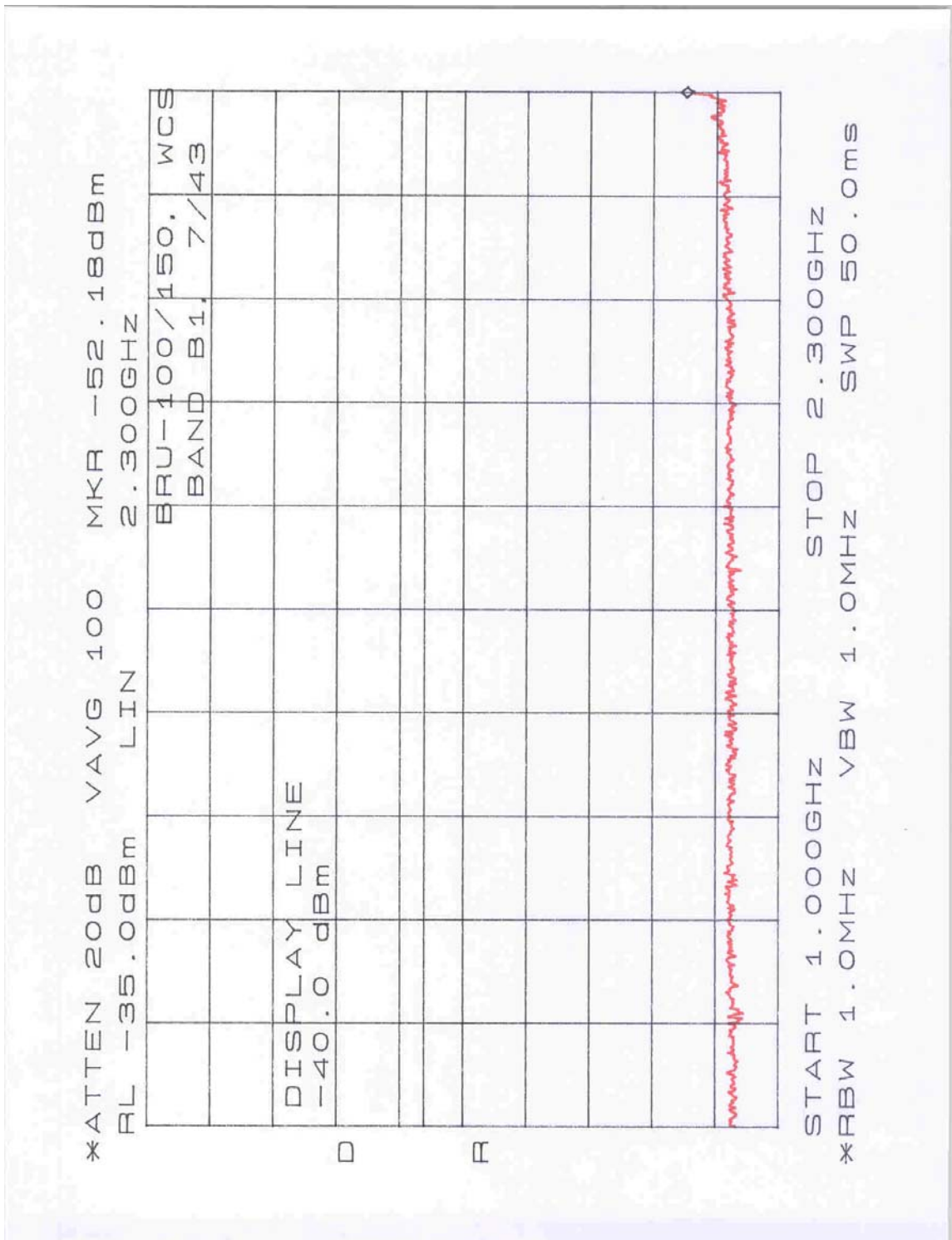
Plot 2.9



Plot 3.1



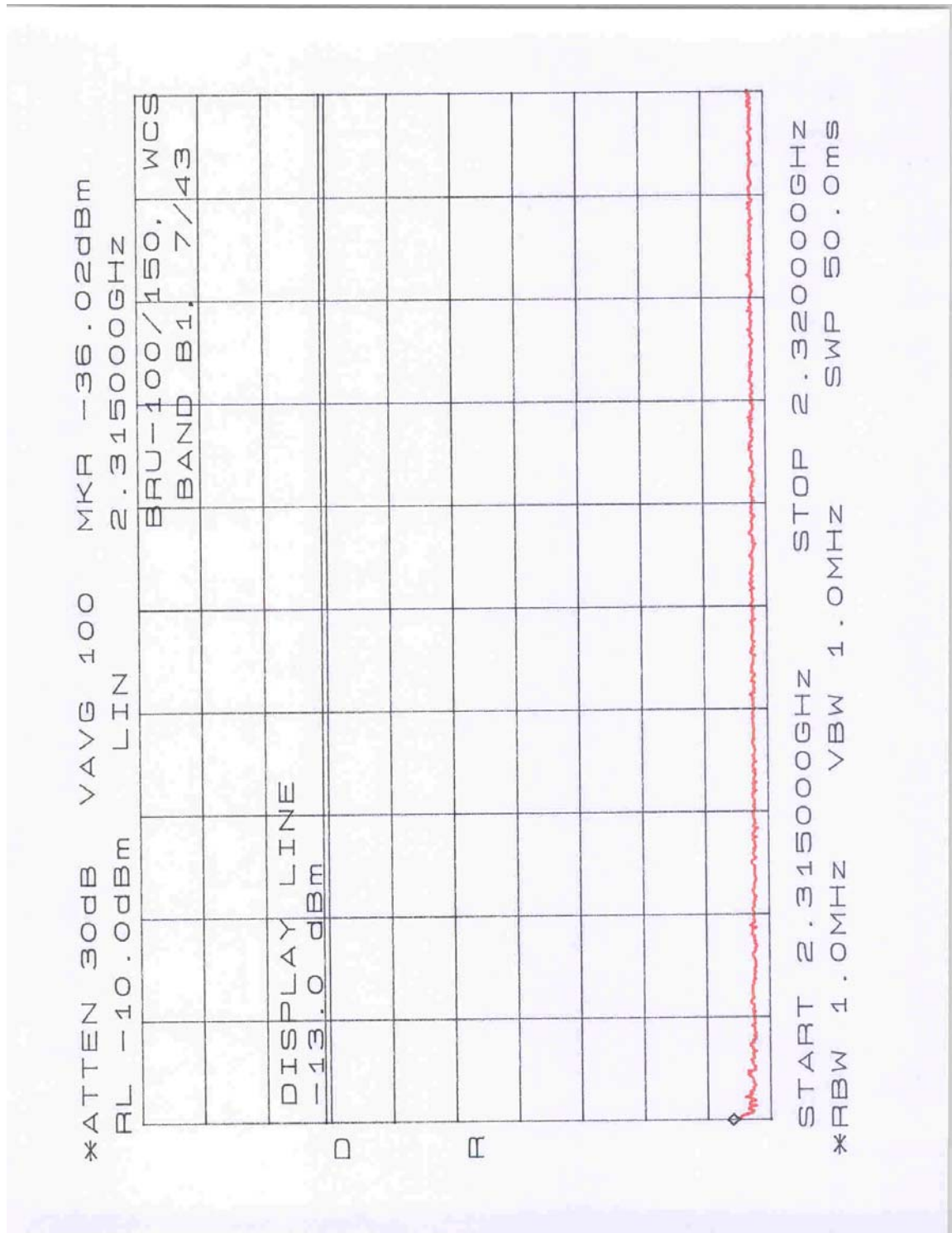
Plot 3.2



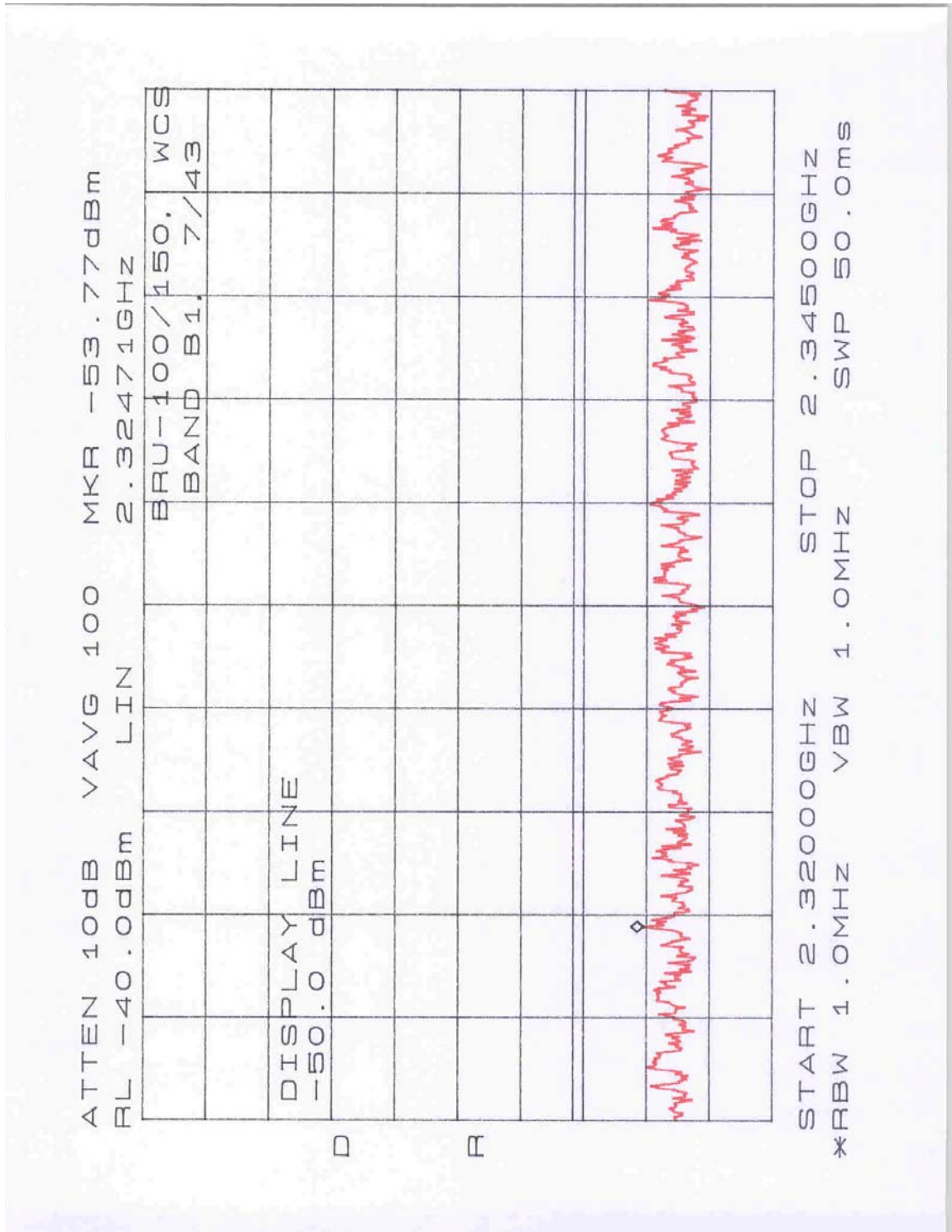
Plot 3.3



Plot 3.4



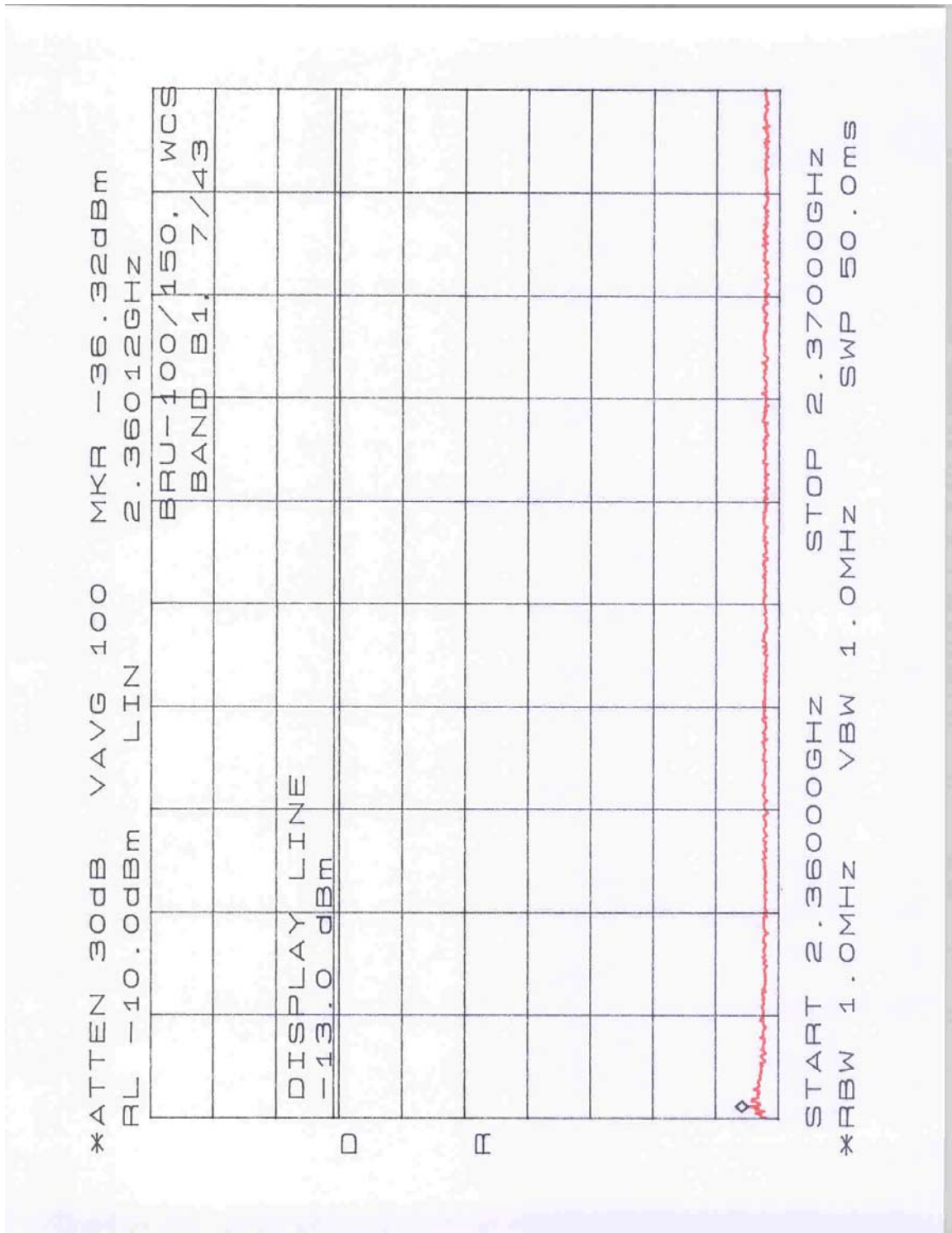
Plot 3.5



Plot 3.6



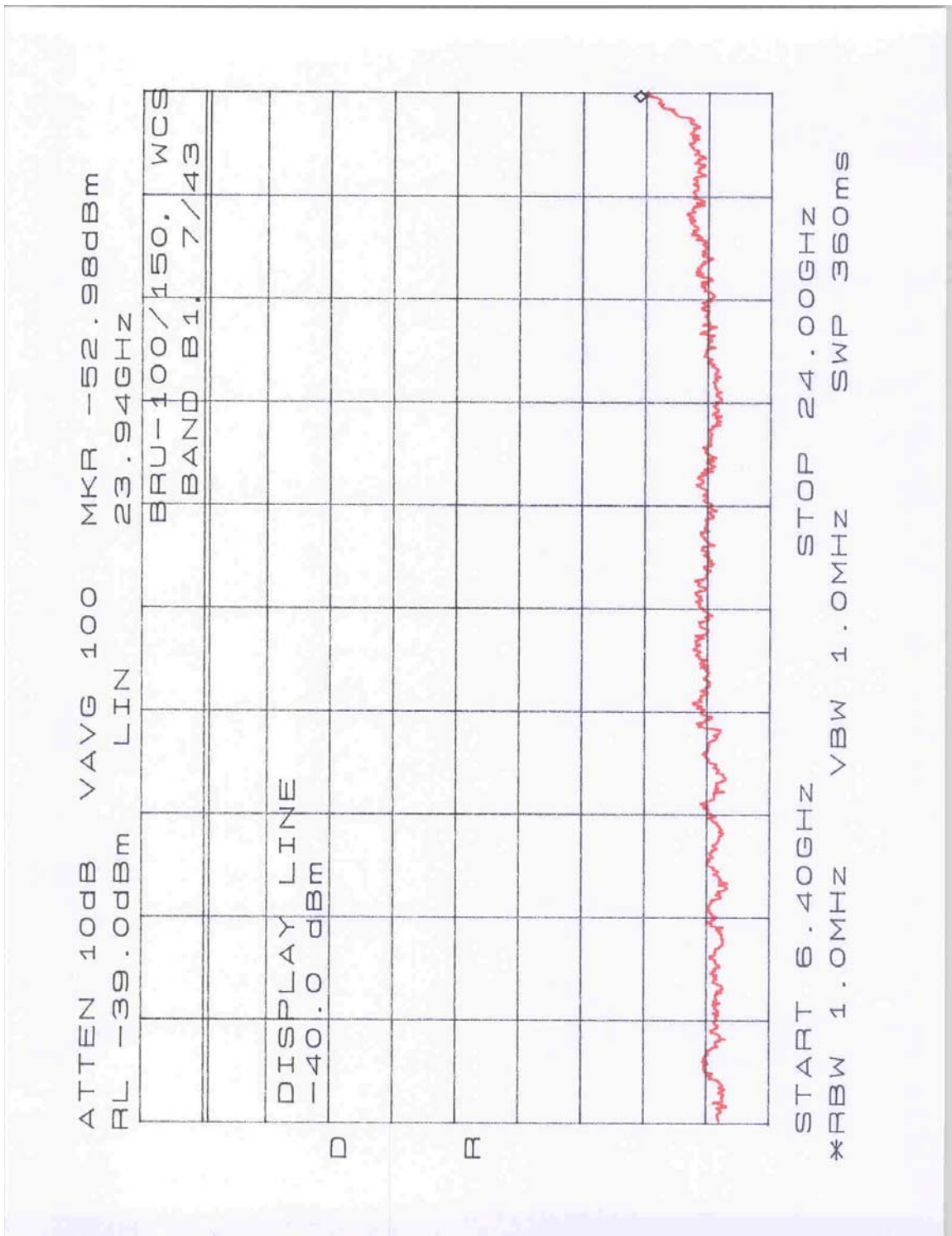
Plot 3.7



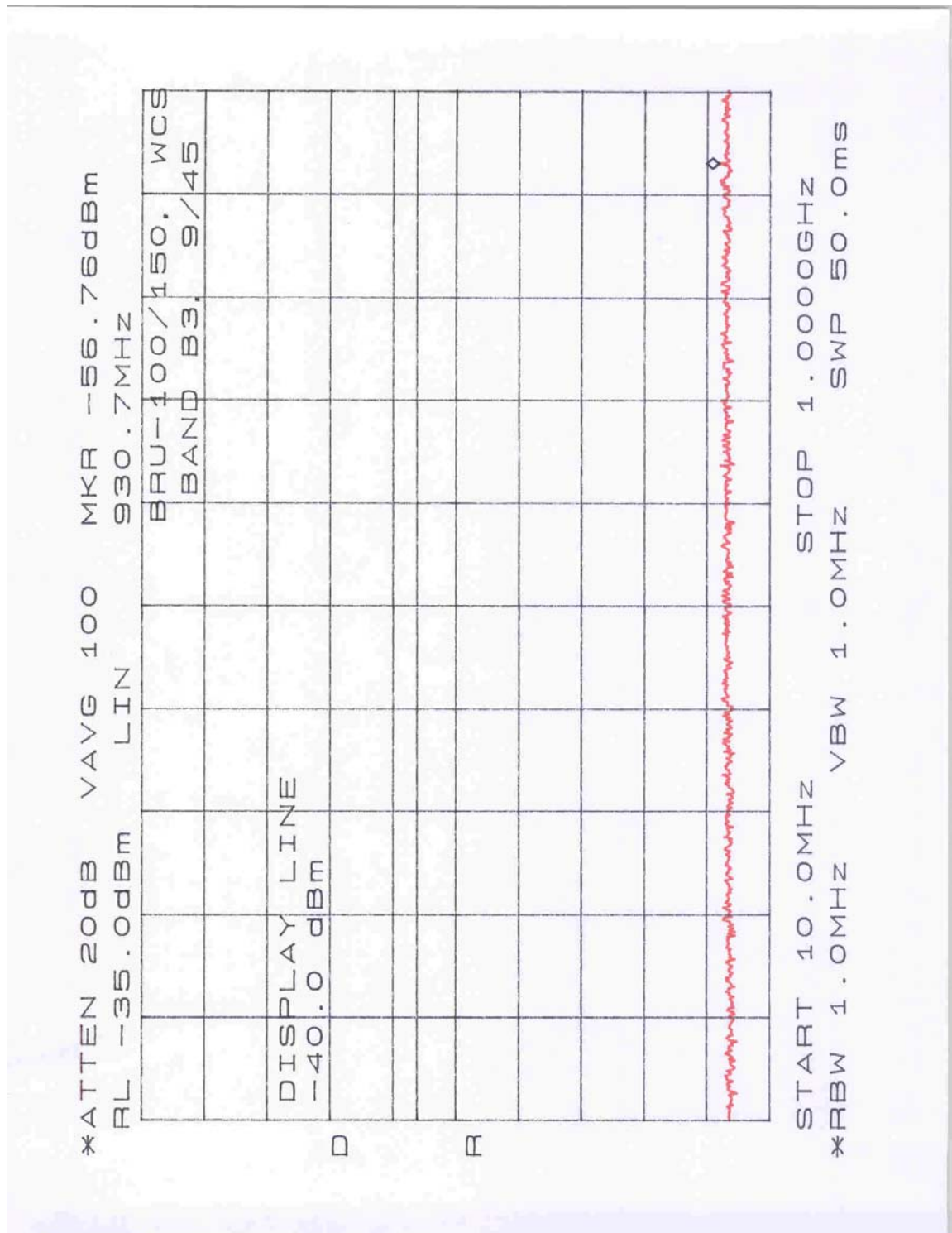
Plot 3.8



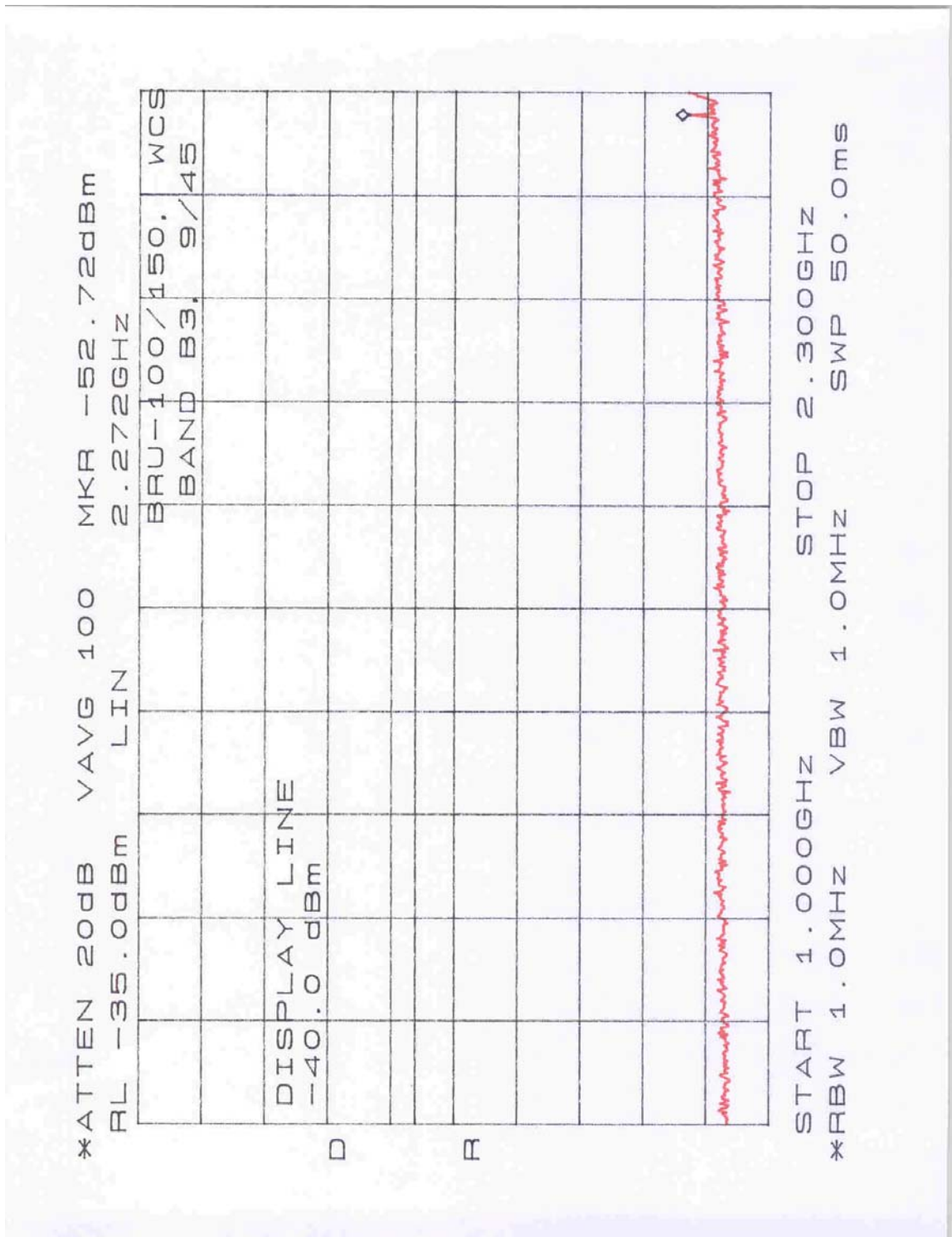
Plot 3.9



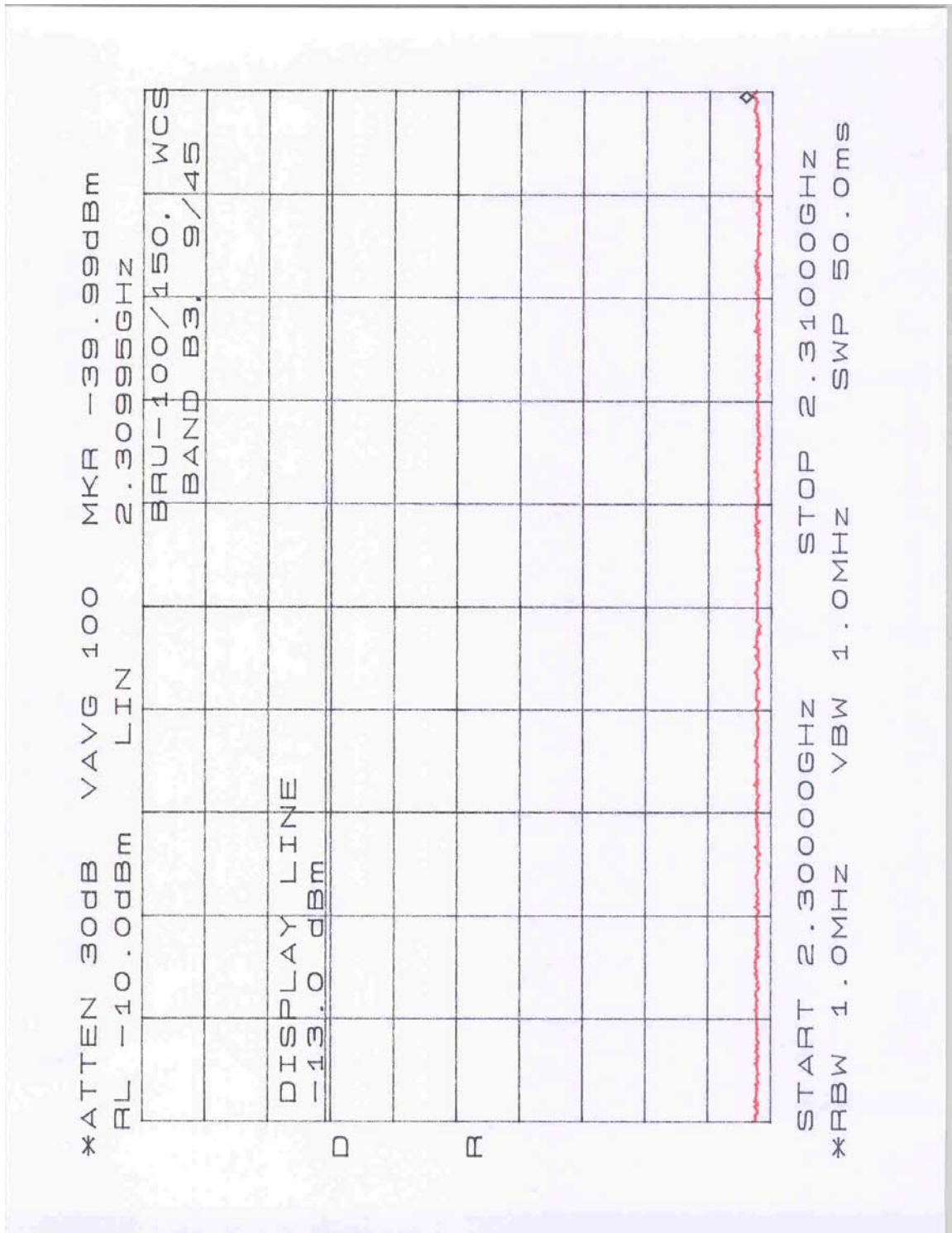
Plot 4.1



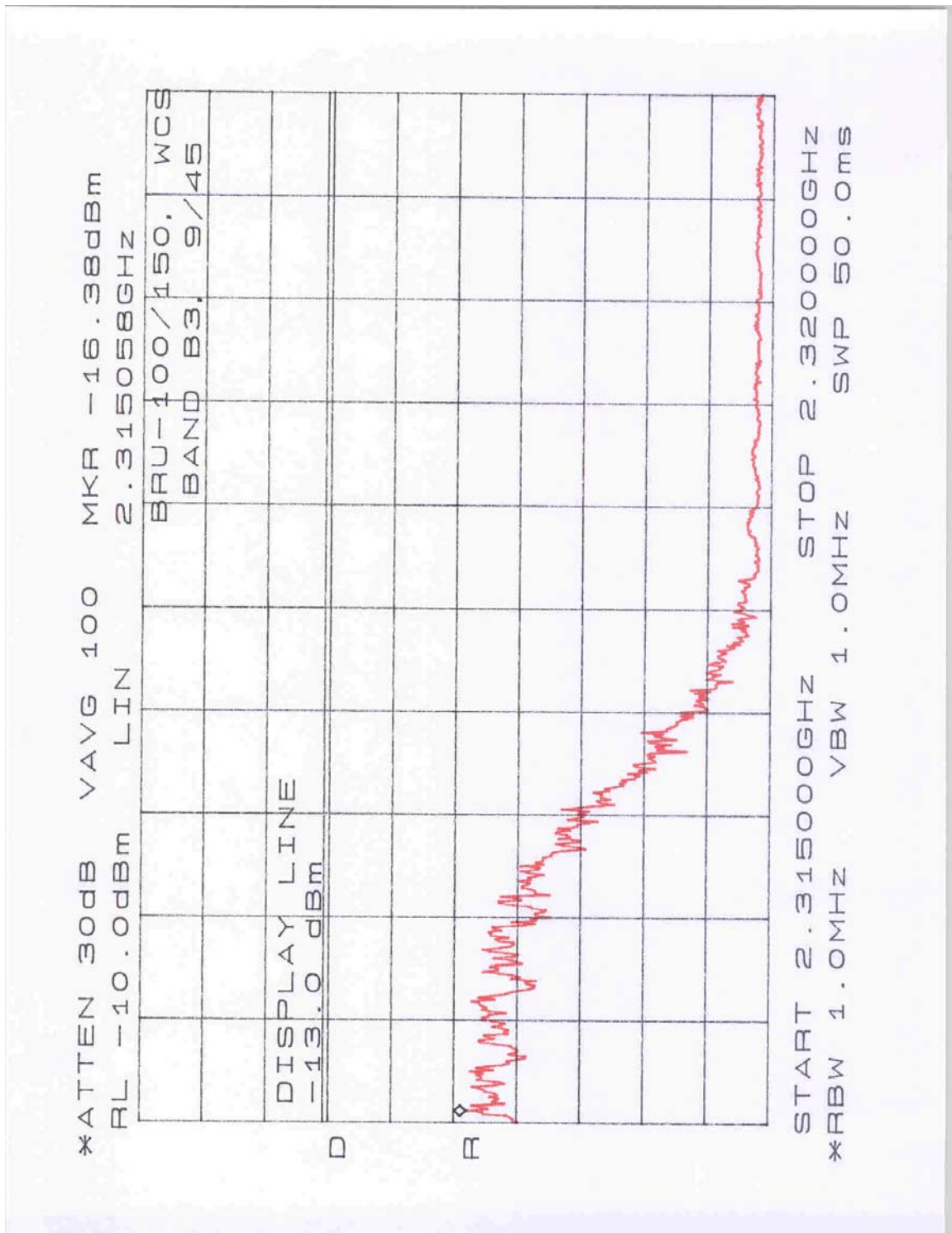
Plot 4.2



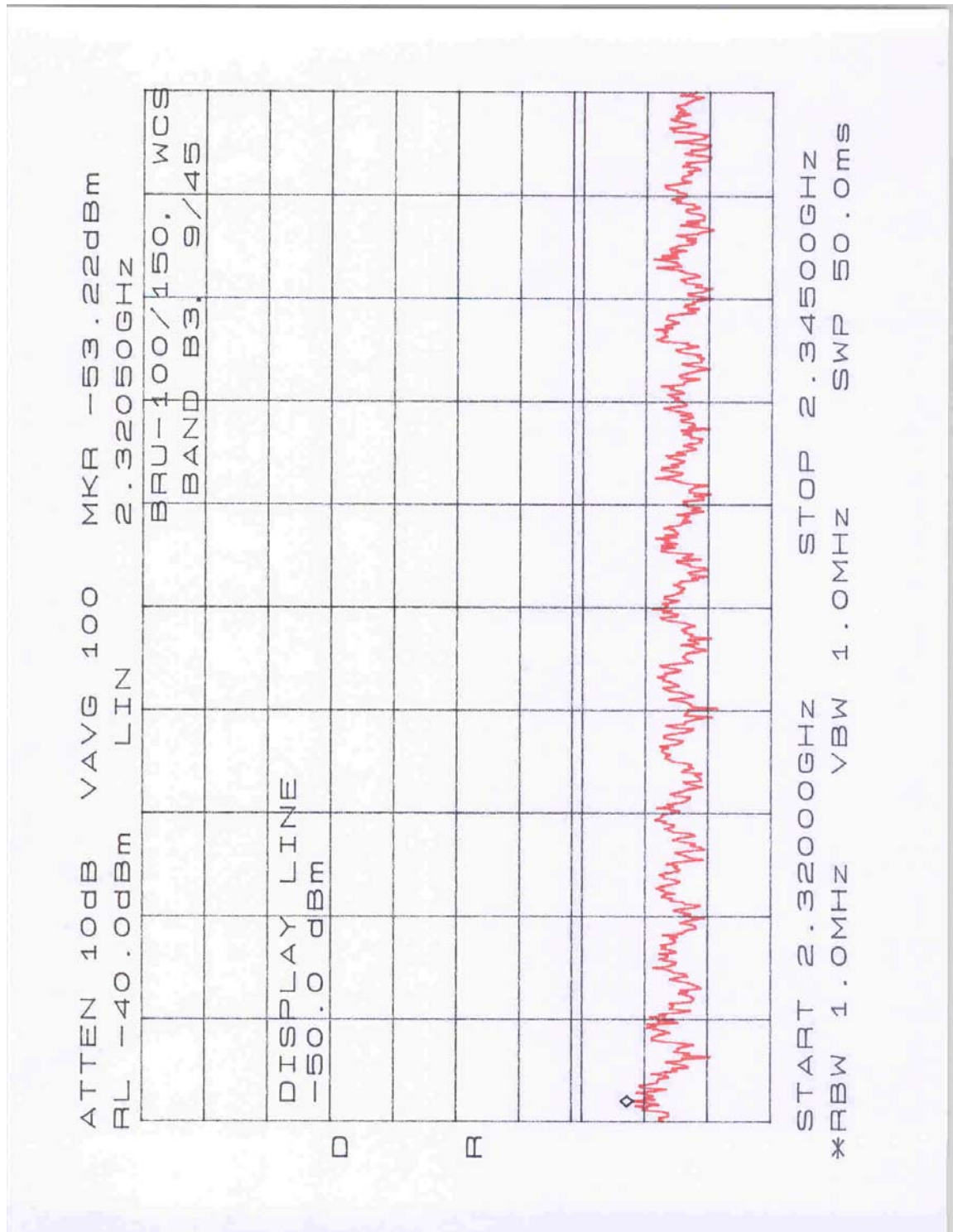
Plot 4.3



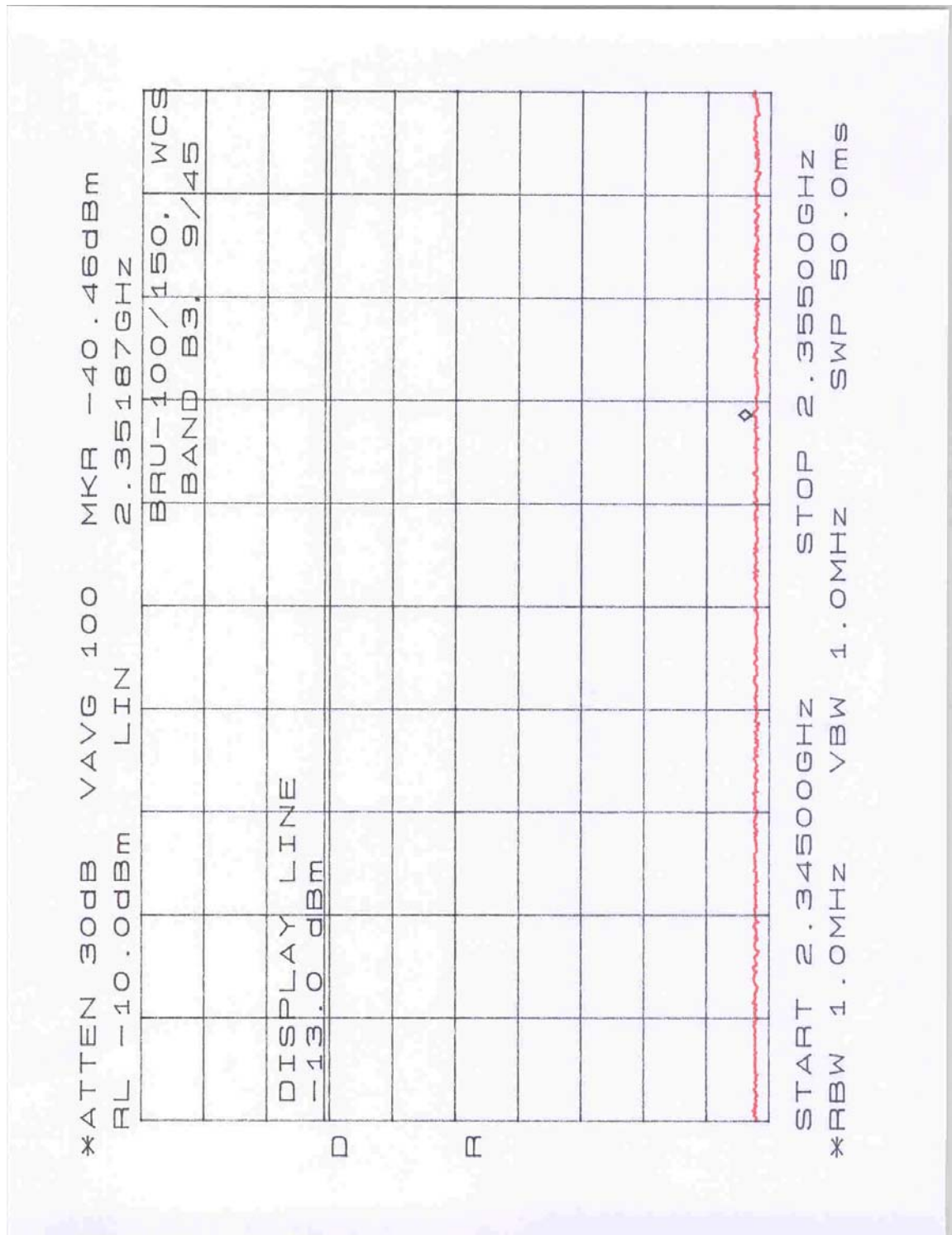
Plot 4.4



Plot 4.5



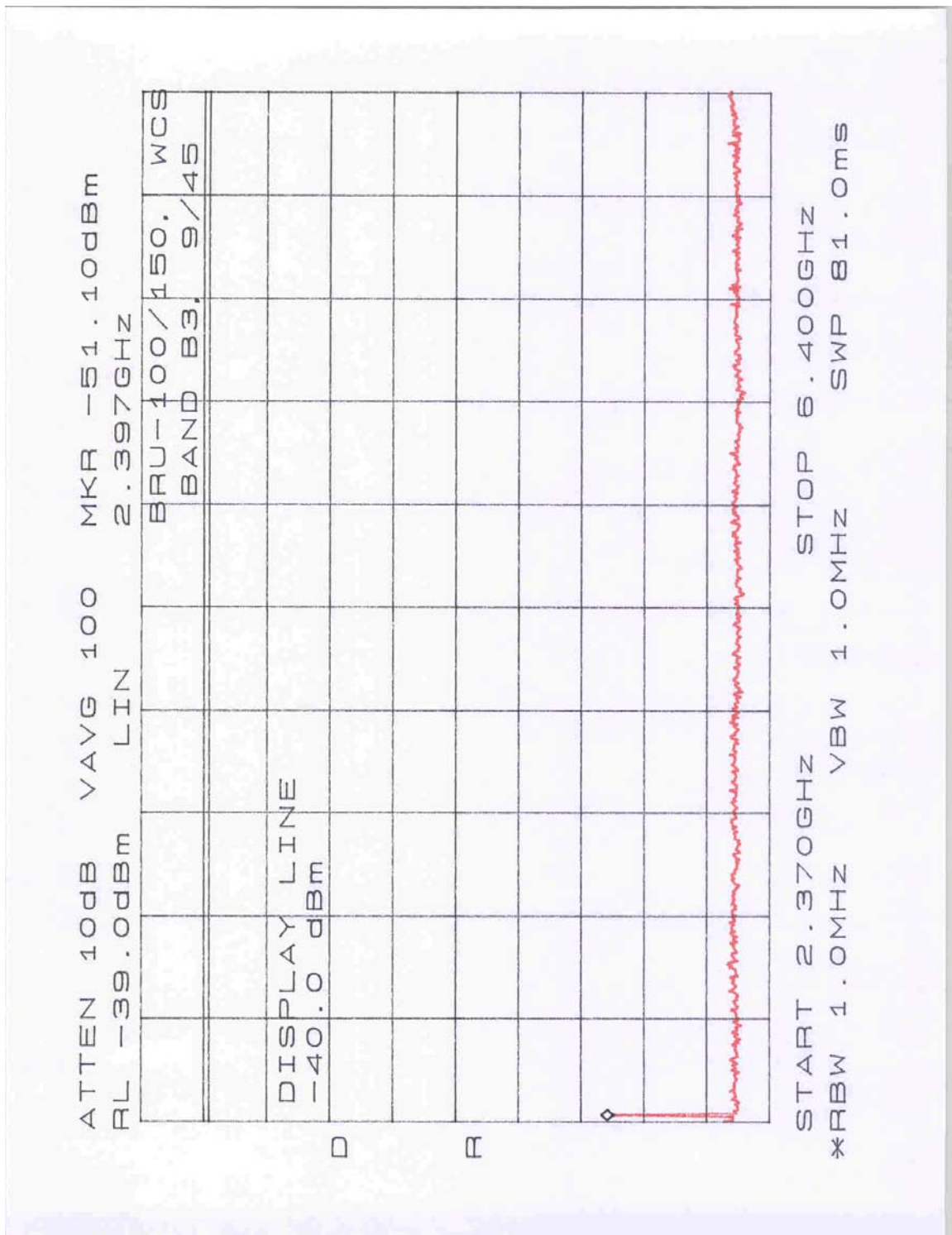
Plot 4.6



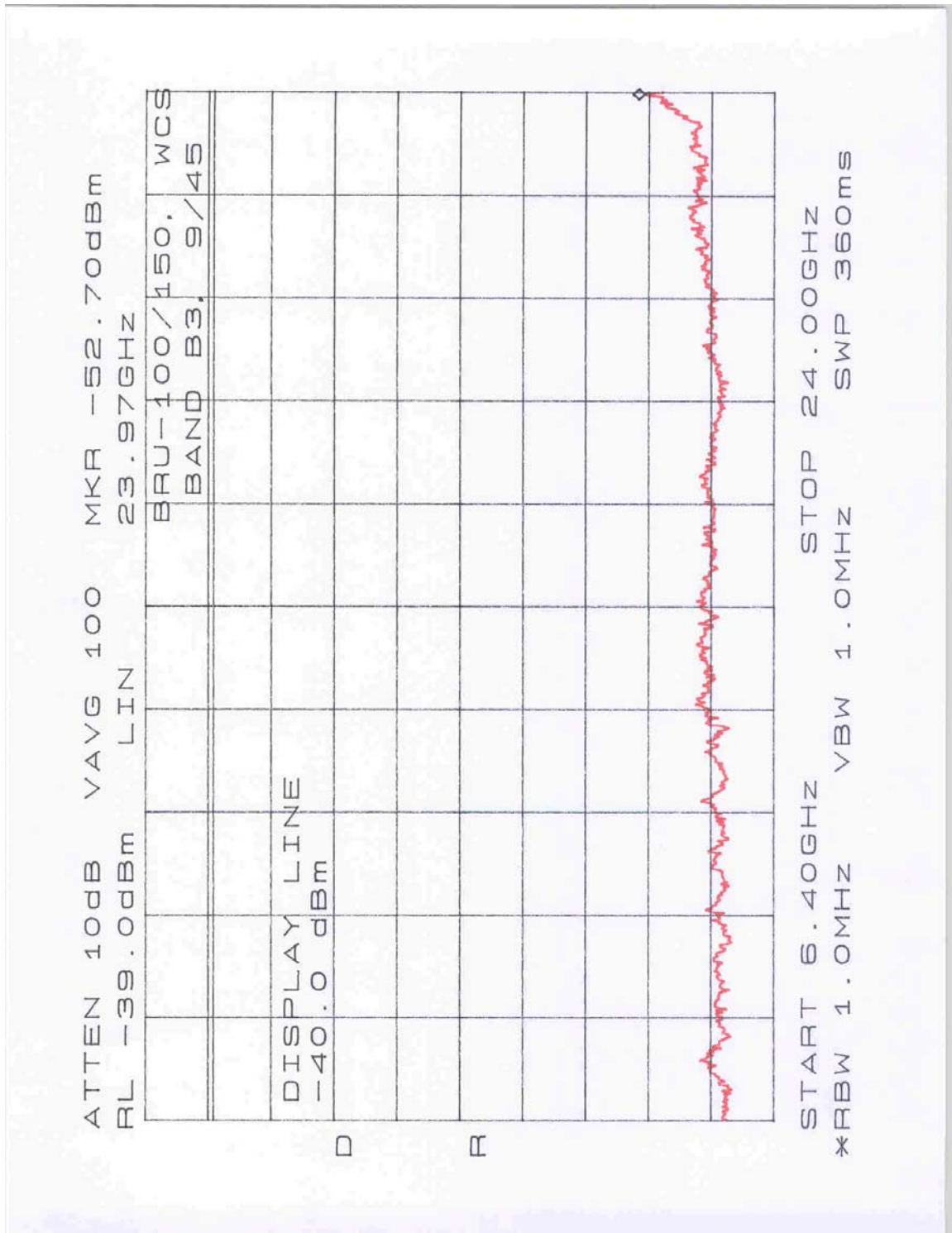
Plot 4.7



Plot 4.8



Plot 4.9



13.0 Appendix B

Radiated Emissions

Model: BRU 100
 Test Mode: Tx at Sub Band A1, Band 3/39
 Fundamental frequencies: 2306.25 MHz & 2351.25 MHz
 LO frequencies: 1956.25 MHz & 2001.25 MHz
 Engineer: AK

Frequency	Antenna	Antenna	Average	Antenna	Preamp	D.C.	Cable	Field Strength
GHz	Location	Polariz.	SA Reading	Factor	correction	Factor	Loss	@ 3m
	m	H/V	dB(uV)	dB(1/m)	dB	dB	dB	dB(uV/m)
3.913	3.0	H	33.0	34.2	-36.0	0.0	6.6	37.8
4.003	3.0	H	32.7	34.2	-36.0	0.0	6.8	37.7
4.613	3.0	H	38.7	34.2	-36.0	0.0	8.0	44.9
4.703	3.0	H	36.0	34.5	-36.0	0.0	8.3	40.8
5.869	3.0	H	24.5	36.1	-35.5	0.0	8.4	42.8
6.004	3.0	H	28.3	36.6	-35.0	0.0	8.5	38.4
6.919	3.0	H	29.2	37.0	-35.3	0.0	6.6	37.5
7.054	3.0	H	30.0	37.3	-35.4	0.0	6.6	38.5
7.825	3.0	H	28.3	37.9	-35.3	0.0	6.5	37.4
8.005	3.0	H	30.7	37.7	-36.0	0.0	6.6	39.0
9.225	3.0	H	31.2	39.6	-35.3	0.0	5.3	40.8
9.405	3.0	H	34.5	39.1	-35.3	0.0	5.5	43.8
9.781	1.0	H	31.2*	39.0	-36.7	-9.5	4.8	28.8
10.006	1.0	H	29.3*	39.1	-36.5	-9.5	4.8	27.2
11.531	1.0	H	28.2*	40.7	-36.7	-9.5	7.8	30.5
11.738	1.0	H	34.3	41.2	-36.6	-9.5	6.2	35.6
11.756	1.0	H	30.4	41.1	-37.0	-9.5	6.2	31.2
13.760	1.0	H	23.8*	40.0	-36.6	-9.5	9.7	27.4
13.838	1.0	H	28.2*	40.0	-36.6	-9.5	9.7	32.3
14.110	1.0	H	26.8*	40.5	-36.5	-9.5	10.4	31.7
15.710	1.0	H	23.8*	41.2	-35.6	-9.5	10.7	30.6

* Noise Floor

Radiated Emissions

Model: BRU 100
 Test Mode: TX at Sub Band A3, Band 5/41
 Fundamental frequencies: 2308.75 MHz & 2353.25 MHz
 LO frequencies: 1958.75 MHz & 2003.75 MHz
 Engineer: AK

Frequency	Antenna	Antenna	Average	Antenna	Preamp	D.C.	Cable	Field Strength
GHz	Location	Polariz.	SA Reading	Factor	correction	Factor	Loss	@ 3m
	m	H/V	dB(uV)	dB(1/m)	dB	dB	dB	dB(uV/m)
3.918	3.0	H	27.3	34.2	-36.0	0.0	6.6	32.1
4.008	3.0	H	19.7	34.2	-36.0	0.0	6.8	24.7
4.618	3.0	H	35.0	34.2	-36.0	0.0	8.0	41.2
4.663	3.0	H	43.8	34.2	-36.0	0.0	8.2	50.2
4.708	3.0	H	34.7	34.5	-36.0	0.0	8.3	41.5
5.876	3.0	H	26.5	36.1	-35.5	0.0	8.4	35.5
6.011	3.0	H	26.0	36.6	-35.0	0.0	8.5	36.1
6.926	3.0	H	23.6	37.0	-35.3	0.0	9.6	34.9
7.061	3.0	H	26.1	37.3	-35.4	0.0	8.8	36.8
7.835	3.0	H	26.7	37.9	-35.3	0.0	6.5	35.8
8.015	3.0	H	26.7	37.7	-36.0	0.0	6.6	35.0
9.235	3.0	H	31.3	39.6	-35.3	0.0	5.3	40.9
9.325	3.0	H	39.0	39.6	-35.3	0.0	5.4	48.7
9.415	3.0	H	31.0	39.1	-35.3	0.0	5.5	40.3
9.794	1.0	H	28.6*	39.0	-36.7	-9.5	4.8	27.2
10.019	1.0	H	28.8*	39.1	-36.5	-9.5	4.8	26.7
11.544	1.0	H	28.6*	40.7	-36.7	-9.5	7.8	30.9
11.634	1.0	H	27.3*	40.5	-36.6	-9.5	6.8	28.5
11.769	1.0	H	28.7*	41.2	-36.6	-9.5	6.2	30.0
11.753	1.0	H	27.7*	41.1	-37.0	-9.5	6.2	28.5
12.023	1.0	H	26.4*	40.2	-36.6	-9.5	9.7	30.2
13.853	1.0	H	27.4*	40.0	-36.6	-9.5	9.7	31.0
14.123	1.0	H	27.3*	40.5	-36.5	-9.5	10.4	32.2

* Noise Floor

Radiated Emissions

Model: BRU 100
 Test Mode: Tx at Sub Band B1, Band 7/43
 Fundamental frequencies: 2311.25 MHz & 2356.25 MHz
 LO frequencies: 1961.25 MHz & 2006.25 MHz
 Engineer: AK

Frequency	Antenna	Antenna	Average	Antenna	Preamp	D.C.	Cable	Field Strength
GHz	Location	Polariz.	SA Reading	Factor	correction	Factor	Loss	@ 3m
	m	H/V	dB(uV)	dB(1/m)	dB	dB	dB	dB(uV/m)
3.923	3.0	H	31.2	34.2	-36.0	0.0	6.6	36.0
4.013	3.0	H	28.2	34.2	-36.0	0.0	6.8	33.2
4.623	3.0	H	34.7	34.2	-36.0	0.0	8.0	40.9
4.668	3.0	H	45.0	34.2	-36.0	0.0	8.2	51.4
4.723	3.0	H	32.7	34.5	-36.0	0.0	8.3	39.5
5.884	3.0	H	20.2	36.1	-35.5	0.0	8.4	29.2
6.019	3.0	H	22.5	36.6	-35.0	0.0	8.5	32.6
6.934	3.0	H	22.3	37.0	-35.3	0.0	9.6	34.1
7.069	3.0	H	23.7	37.3	-35.4	0.0	8.8	34.4
7.845	3.0	H	29.2	39.6	-35.3	0.0	6.5	40.0
8.025	3.0	H	27.7	40.1	-36.0	0.0	6.6	37.4
9.245	3.0	H	32.0	39.6	-35.3	0.0	5.3	41.6
9.335	3.0	H	34.0	39.6	-35.3	0.0	5.4	43.7
9.425	3.0	H	27.4	39.1	-35.3	0.0	5.5	36.7
9.806	1.0	H	28.7*	40.7	-36.7	-9.5	4.8	27.8
10.031	1.0	H	28.5*	40.3	-36.5	-9.5	4.8	27.6
11.556	1.0	H	28.7*	40.7	-36.7	-9.5	7.8	31.0
11.676	1.0	H	28.4*	40.5	-36.6	-9.5	6.8	29.6
11.781	1.0	H	27.9*	40.2	-36.6	-9.5	6.2	28.2
11.768	1.0	H	27.7*	41.1	-37.0	-9.5	6.2	28.5
12.038	1.0	H	26.4*	40.2	-36.6	-9.5	9.7	30.2
13.868	1.0	H	27.4*	40.2	-36.6	-9.5	9.7	31.2
14.138	1.0	H	27.3*	40.5	-36.5	-9.5	10.4	32.2

* Noise Floor

Radiated Emissions

Model: BRU 100
Test Mode: Tx at Sub Band B3, Band 9/45
Fundamental frequencies: 2313.75 MHz & 2358.75 MHz
LO frequencies: 1963.75 MHz & 2008.75 MHz
Engineer: AK

Frequency	Antenna	Antenna	Average	Antenna	Preamp	D.C.	Cable	Field Strength
GHz	Location	Polariz.	SA Reading	Factor	correction	Factor	Loss	@ 3m
	m	H/V	dB(uV)	dB(1/m)	dB	dB	dB	dB(uV/m)
3.928	3.0	H	23.3	34.2	-36.0	0.0	6.6	28.1
4.018	3.0	H	24.2	34.2	-36.0	0.0	6.8	29.2
4.628	3.0	H	36.7	34.2	-36.0	0.0	8.0	42.9
4.673	3.0	H	38.7	34.2	-36.0	0.0	8.0	44.9
4.718	3.0	H	34.7	34.5	-36.0	0.0	8.3	41.5
5.891	3.0	H	24.0	36.1	-35.5	0.0	8.4	33.0
6.026	3.0	H	22.8	36.6	-35.0	0.0	8.5	32.9
6.941	3.0	H	23.3	37.0	-35.3	0.0	9.6	34.6
7.076	3.0	H	26.0	37.3	-35.4	0.0	8.8	36.7
7.855	3.0	H	27.3	37.9	-35.3	0.0	6.5	36.4
8.035	3.0	H	28.3	37.7	-36.0	0.0	6.6	36.6
9.255	3.0	H	33.2	39.6	-35.3	0.0	5.3	42.8
9.346	3.0	H	35.8	39.6	-35.3	0.0	5.4	45.5
9.435	3.0	H	29.1	39.1	-35.3	0.0	5.5	38.4
9.819	1.0	H	28.9*	39.0	-36.7	-9.5	4.8	26.5
10.044	1.0	H	28.7*	39.1	-36.5	-9.5	4.8	26.6
11.569	1.0	H	28.8*	40.7	-36.7	-9.5	7.8	31.1
11.659	1.0	H	29.0*	40.5	-36.6	-9.5	6.8	30.2
11.794	1.0	H	28.7*	41.2	-36.6	-9.5	6.2	30.0
11.783	1.0	H	27.8*	41.1	-37.0	-9.5	6.2	28.6
12.053	1.0	H	27.1*	40.2	-36.6	-9.5	9.7	30.9
13.883	1.0	H	27.3*	40.0	-36.6	-9.5	9.7	30.9
14.153	1.0	H	27.4*	40.5	-36.5	-9.5	10.4	32.3

* Noise Floor