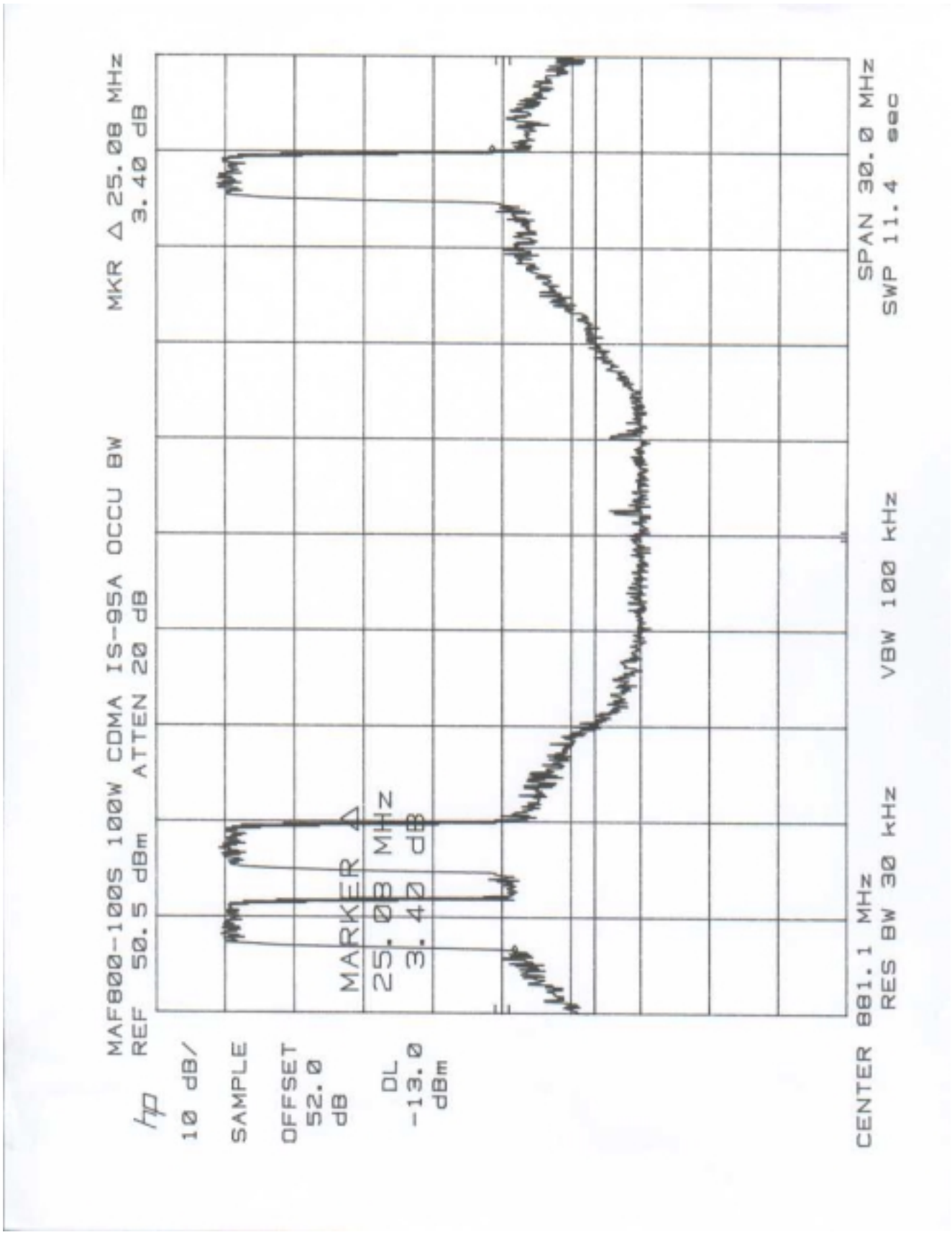
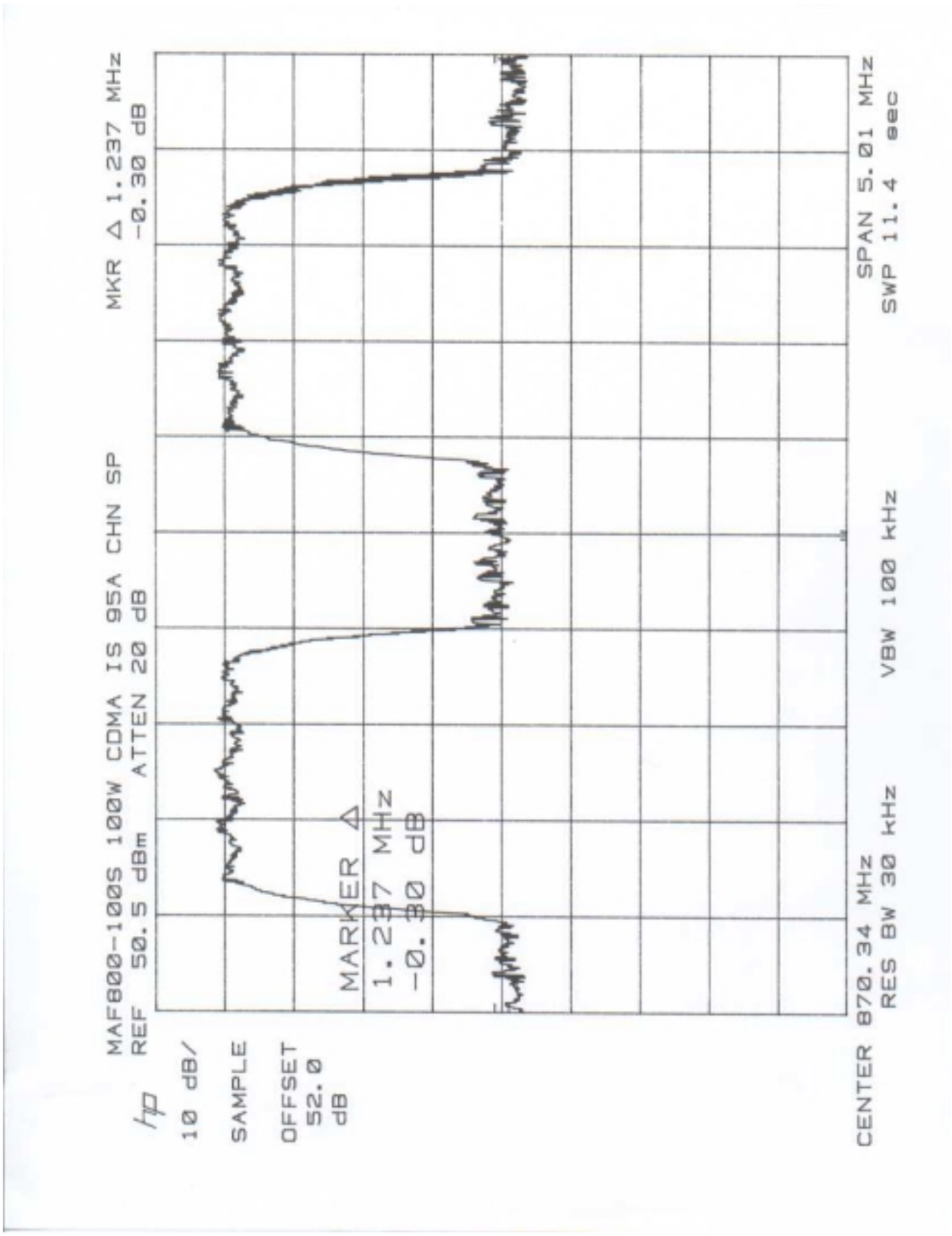
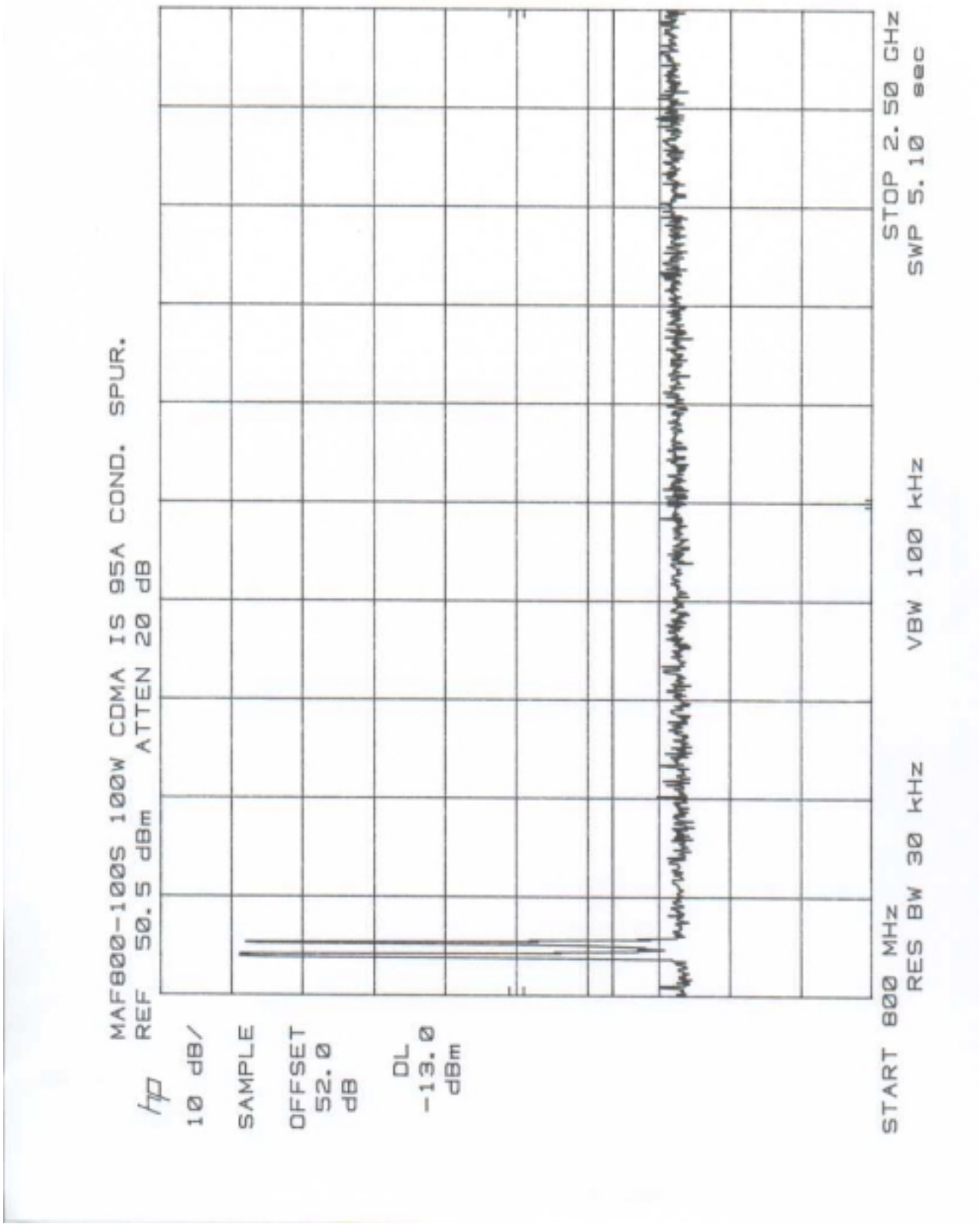
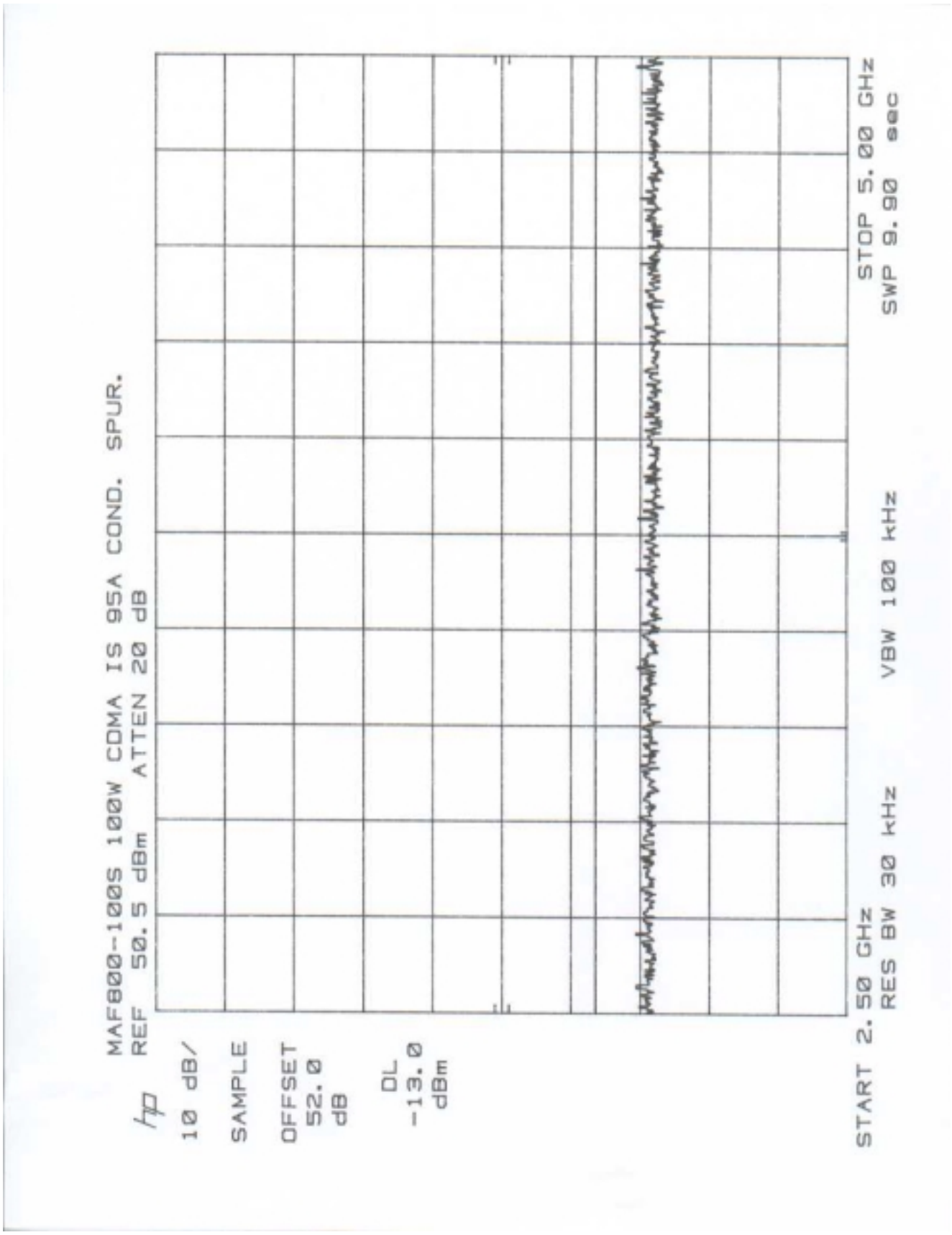
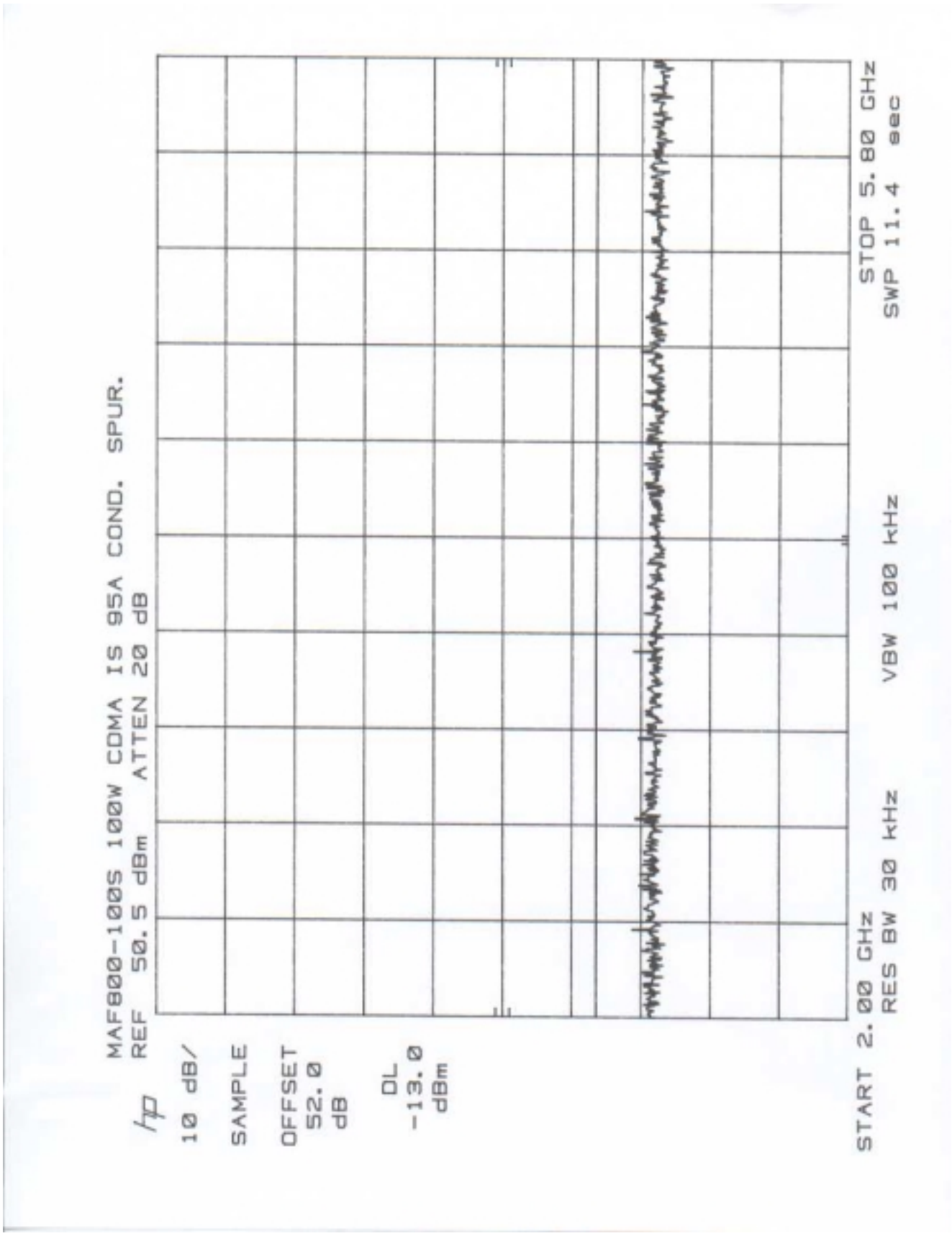
Data Package 2
CDMA IS-95A Modulated Test Data

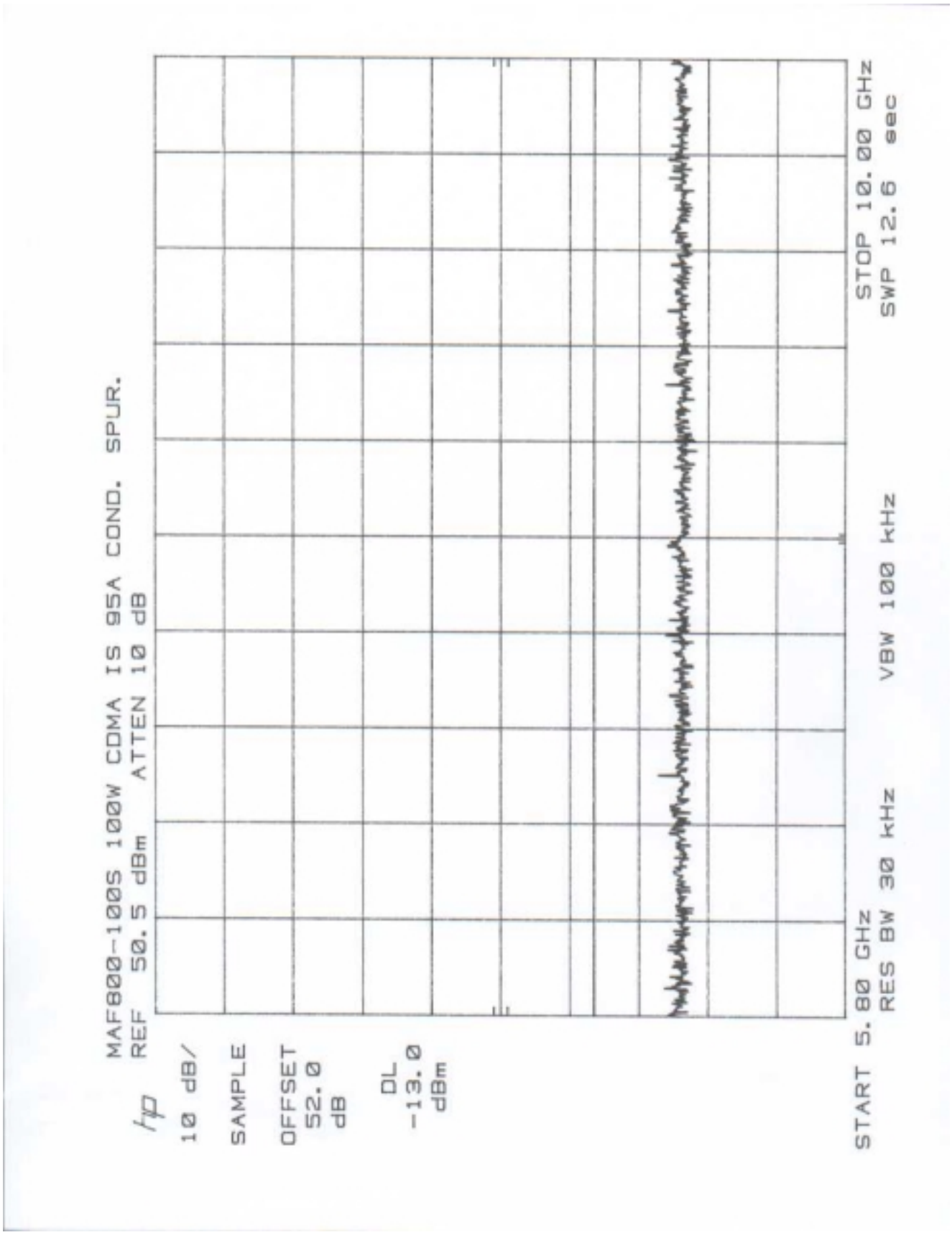

MAF800-100S 100W CDMA IS-95A OCCU BW
REF 50.5 dBm ATTEN 20 dB
MKR Δ 25.08 MHz
3.40 dB
10 dB/
SAMPLE
OFFSET
52.0
dB
DL
-13.0
dBm
MARKER Δ
25.08 MHz
3.40 dB
CENTER 881.1 MHz
RES BW 30 kHz
VBW 100 kHz
SPAN 30.0 MHz
SWP 11.4 sec

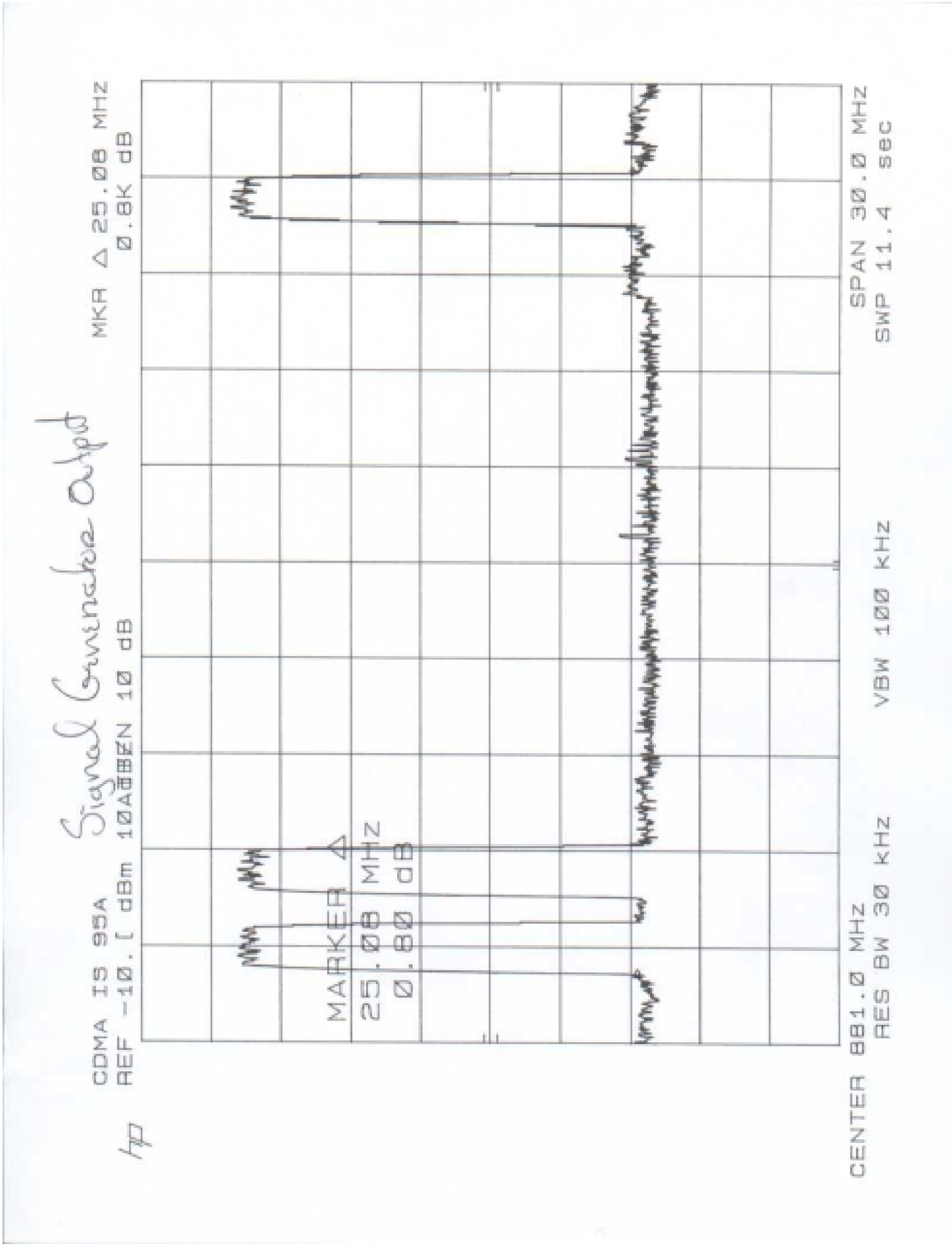

MAF800-100S 100W CDMA IS 95A CHN SP
REF 50.5 dBm ATTEN 20 dB
MKR Δ 1.237 MHz
-0.30 dB
10 dB/
SAMPLE
OFFSET
52.0
dB
MARKER Δ
1.237 MHz
-0.30 dB
CENTER 870.34 MHz
RES BW 30 kHz
VBW 100 kHz
SPAN 5.01 MHz
SWP 11.4 sec


MAF800-100S 100W CDMA IS 95A COND. SPUR.
REF 50.5 dBm ATTEN 20 dB
10 dB/
SAMPLE
OFFSET
52.0
dB
DL
-13.0
dBm
START 800 MHz
RES BW 30 kHz
VBW 100 kHz
STOP 2.50 GHz
SWP 5.10 sec


MAF800-100S 100W COMA IS 95A COND. SPUR.
REF 50.5 dBm ATTEN 20 dB
10 dB/
SAMPLE
OFFSET
52.0
dB
DL
-13.0
dBm
START 2.50 GHz
RES BW 30 kHz
VBW 100 kHz
STOP 5.00 GHz
SWP 9.90 sec


MAF800-100S 100W COMA IS 95A COND. SPUR.
REF 50.5 dBm ATTEN 20 dB
10 dB/
SAMPLE
OFFSET
52.0
dB
DL
-13.0
dBm
START 2.00 GHz
RES BW 30 kHz
VBW 100 kHz
STOP 5.80 GHz
SWP 11.4 sec


MAF800-100S 100W COMA IS 95A COND. SPUR.
REF 50.5 dBm ATTEN 10 dB
10 dB/
SAMPLE
OFFSET
52.0
dB
DL
-13.0
dBm
START 5.80 GHz
RES BW 30 kHz
VBW 100 kHz
STOP 10.00 GHz
SWP 12.6 sec


CDMA IS 95A
MKR Δ 25.08 MHz
REF -10.[dBm
0.8K dB
MARKER Δ
25.08 MHz
0.80 dB
CENTER 881.0 MHz
RES BW 30 kHz
VBW 100 kHz
SPAN 30.0 MHz
SWP 11.4 sec

5969 Robinson Avenue
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EMI Datasheet (ITE Devices)

DNB Job Number:	28116	Date: April 9, 2002	Specification
Customer:	Paradigm Wireless Systems, Inc.		⊠ FCC Class A
Model Number:	MAF800-100S	Serial Number: N/A	
Description:	Multi Carrier Power Amplifier		

EUT performed within the requirements of the applicable Standard(s) [X] YES [ ] NO Signed *Mike Gunn*

Bcn = A.H. Systems SAS-200/540 Biconical Antenna S/N 138 (30-200 Mhz)
Log = EMCO 3146 Log-Periodic Antenna S/N 1284 (200-1000 Mhz)
Def = Distance Correction Factor = $20*LOG_{10}$(Test Distance/Specification Distance)
Typ = Type of reading PK = Peak reading QP = Quasi-peak reading
"#" = Readings taken with a res bandwidth of 10KHz do to nearby ambient signal

Cbl = Cable Loss
Amp = Preamplifier Gain
Pl = Antenna polarity V = Vertical H = Horizontal
Hgt = Antenna height in meters x.xx= 1.00 to 4.00 meters
Tbl = Table Position in degrees xxx = 000 to 360 degrees

NOTES:

Freq	Meter	Bcn	Log	Cbl	Amp	Def	Corr	Lim dB	Delta	Corr uV	Lim uV	Delta	Typ	Tbl	Pl	Hgt
30.025	27.3	11.9	0.0	.7	-24.1	0	15.8	39.1	-23.3	6	90	-84	PK	175	H	1.20
30.267	25.0	11.9	0.0	.7	-24.1	0	13.5	39.1	-25.6	5	90	-85	PK	145	H	1.01
58.179	29.2	11.9	0.0	1.0	-24.0	0	18.1	39.1	-21	8	90	-82	PK	64	H	1.01
58.270	42.7	11.9	0.0	1.0	-24.0	0	31.6	39.1	-7.5	38	90	-52	PK	145	H	1.01
66.061	30.4	10.2	0.0	1.1	-24.1	0	17.6	39.1	-21.5	8	90	-82	PK	252	H	1.01
66.396	39.6	10.1	0.0	1.1	-24.1	0	26.7	39.1	-12.4	22	90	-68	PK	84	H	1.01
108.739	29.0	13.7	0.0	1.4	-24.0	0	20.1	43.5	-23.4	10	150	-140	PK	23	H	1.01
109.676	43.7	13.8	0.0	1.4	-24.0	0	34.9	43.5	-8.6	56	150	-94	PK	301	H	1.01
225.902	29.1	0.0	14.3	2.0	-24.0	0	21.4	46.4	-25.0	12	210	-198	PK	99	H	1.01
260.044	28.4	0.0	14.3	2.2	-24.2	0	20.7	46.4	-25.7	11	210	-199	PK	112	H	1.39
262.089	31.6	0.0	14.4	2.2	-24.2	0	24	46.4	-22.4	16	210	-194	PK	249	H	2.61
268.094	32.0	0.0	14.9	2.2	-24.2	0	24.9	46.4	-21.5	18	210	-192	PK	257	H	2.61
274.068	29.6	0.0	15.3	2.3	-24.2	0	23	46.4	-23.4	14	210	-196	PK	241	H	2.62

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EMI Datasheet (ITE Devices)

DNB Job Number:	28116	Date: April 9, 2002	Specification
Customer:	Paradigm Wireless Systems, Inc.		☒ FCC Class A
Model Number:	MAF800-100S	Serial Number: N/A	
Description:	Multi Carrier Power Amplifier		

Freq	Meter	Bcn	Log	Cbl	Amp	Def	Corr	Lim dB	Delta	Corr uV	Lim uV	Delta	Typ	Tbl	Pl	Hgt
400.978	27.4	0.0	18.4	2.8	-24.5	0	24.1	46.4	-22.3	16	210	-194	PK	360	H	2.60
768.651	25.6	0.0	24.9	4.0	-25.0	0	29.5	46.4	-16.9	30	210	-180	QP	297	H	2.60
31.323	48.6	11.8	0.0	.7	-24.1	0	37	39.1	-2.1	71	90	-19	QP	188	V	1.00
39.358	46.5	13.0	0.0	.9	-24.0	0	36.4	39.1	-2.7	66	90	-24	QP	264	V	1.00
56.311	48.1	12.2	0.0	1.0	-24.0	0	37.3	39.1	-1.8	73	90	-17	QP	109	V	1.00
254.102	30.1	0.0	13.8	2.1	-24.2	0	21.8	46.4	-24.6	12	210	-198	PK	140	V	1.87
256.097	33.9	0.0	14.0	2.2	-24.2	0	25.9	46.4	-20.5	20	210	-190	PK	127	V	2.17
260.036	33.6	0.0	14.3	2.2	-24.2	0	25.9	46.4	-20.5	20	210	-190	PK	80	V	1.58
262.055	35.5	0.0	14.4	2.2	-24.2	0	27.9	46.4	-18.5	25	210	-185	PK	80	V	1.58
268.103	40.8	0.0	14.9	2.2	-24.2	0	33.7	46.4	-12.7	48	210	-162	PK	114	V	1.01
272.104	36.1	0.0	15.2	2.3	-24.2	0	29.4	46.4	-17.0	30	210	-180	PK	122	V	1.01
768.645	35.1	0.0	24.9	4.0	-25.0	0	39	46.4	-7.4	89	210	-121	QP	273	V	1.01

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Radiated Spurious Data

DNB Job Number:	28116	Date: 13 April 2002	Specification
Customer:	Paradigm Wireless Systems		☒ FCC Parts: 90
Model Number:	MAF800-100S	Serial Number: N/A	
Description:	Multi Carrier Power Amplifier		

Transmitter Number	Fundamental Frequency in MHz	Rated Output Power in Watts	Channel Spacing in kHz	Modulation
1 - Band 1	881	100	25	"Worst Case"

Harm	Freq in Mhz	Dipole	H Gain	Horz Mtr	Power	Corr'd	Vert Mtr	Power	Corr'd	Antenna
Fund	881	3.30	-	-25.7	-21.4	-21.4	-28.8	-24.5	-24.5	Log
2	1.762	-	7.83	-56.5	-39.7	-47.53	-55.9	-39.1	-46.93	Horn
3	2.645	-	8.70	-47.5	-35.1	-43.8	-48.6	-36.2	-44.9	Horn
4	3.524	-	8.98	-57.1	-41.7	-50.68	-64.5	-49.1	-58.08	Horn
5	4.405	-	9.63	-68.6	-51.2	-60.83	-68.3	-50.9	-60.53	Horn
6	5.286	-	10.29	-69.1	-49.9	-60.19	-69.0	-49.8	-60.09	Horn
7	6.167	-	10.45	-63.7	-43.5	-53.95	-64.5	-44.3	-54.75	Horn
8	7.048	-	10.21	-64.1	-40.7	-50.91	-64.5	-43.5	-53.71	Horn
9	7.929	-	10.29	-64.3	-42.3	-52.59	-64.0	-42.0	-52.29	Horn
10	8.810	-	11.20	-64.8	-43.6	-54.8	-64.6	-43.4	-54.6	Horn

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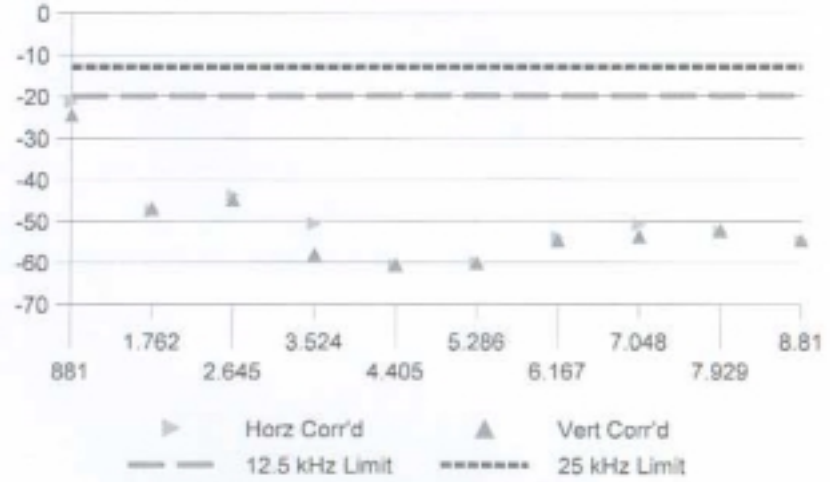
Radiated Spurious Data

DNB Job Number:	28116	Date: 13 April 2002	Specification
Customer:	Paradigm Wireless Systems		☒ FCC Parts: 90
Model Number:	MAF800-100S	Serial Number: N/A	
Description:	Multi Carrier Power Amplifier		

Freq	881	1.762	2.645	3.524	4.405	5.286	6.167	7.048	7.929	8.810
Horz Corr'd	-21.4	-47.53	-43.8	-50.68	-60.83	-60.19	-53.95	-50.91	-52.59	-54.8
Vert Corr'd	-24.5	-46.93	-44.9	-58.08	-60.53	-60.09	-54.75	-53.71	-52.29	-54.6
12.5 kHz Limit	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
25 kHz Limit	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0



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FCC Datasheet

DNB Job Number:	28116	Date:	13 April 2002	Specification
Customer:	Paradigm Wireless Systems			☒ FCC Parts: 90
Model Number:	MAF800-100S	Serial Number:	N/A	
Description:	Multi Carrier Power Amplifier			

Key to Abbreviations:

H Gain = Horizontal Gain of Horn antenna - This is subtracted from the reading to determine reference to reference antenna substitution.
Horz = Indicates that the receive antenna is in a horizontal position
Horz Mtr / Vert Mtr = Is the received meter reading from the EUT in either the Horz or Vert antenna polarities
Power = The matching power required to be driven into the transmit antenna during substitution measurements
Corr'd = The corrected meter reading taking into account the gain of the Horn antenna, no correction used for dipole to dipole substitutions.
Dipole = Is the element length in inches at the given frequency.
Antenna = The type of antenna used for a given frequency.