

Appendix

Table 1 displays the measurement parameters that were used to obtain the noise/interference records discussed in this report. Listed are the times, dates, center frequencies, and values of the variable attenuation that were used to record these data. Each record is identified by a record number. The following plots display the first 4 ms of both the Q- and I-channel data for each of the records.

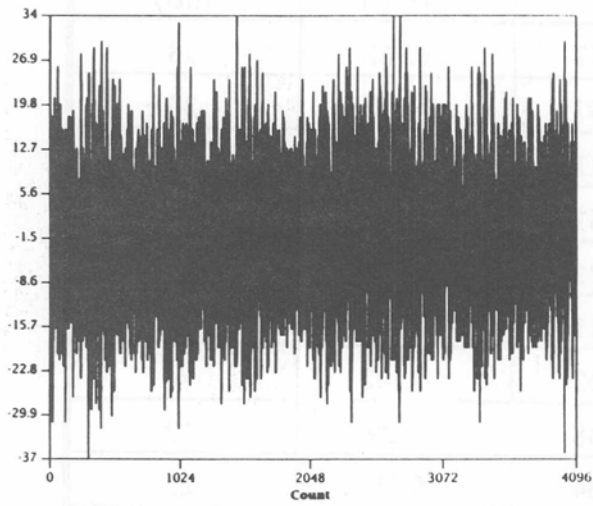
Table A-1. Measurement Characteristics of Wideband HF Noise/Interference Records

Record Number	Date (1989)	Time (UT)	Center Frequency (MHz)	Variable Attenuation (dB)
1	15 March	04:01:22	9.244	24
2	15 March	05:50:42	7.844	21
3	15 March	06:22:00	10.662	16
4	15 March	07:48:05	7.844	29
5	15 March	09:46:34	5.936	22
6	15 March	11:57:02	7.844	21
7	15 March	15:15:59	19.29	6
8	15 March	19:22:32	23.862	6
9	15 March	20:06:49	15.848	26
10	22 March	22:21:16	19.29	27
11	15 March	22:34:52	19.29	6
12	10 March	00:29:22	19.29	6
13	10 March	00:39:19	18.718	24
14	17 March	00:57:51	15.848	29
15	17 March	03:20:34	10.662	11
16	10 March	03:41:19	13.666	12
17	10 March	03:48:17	13.666	18
18	17 March	04:45:19	9.244	28

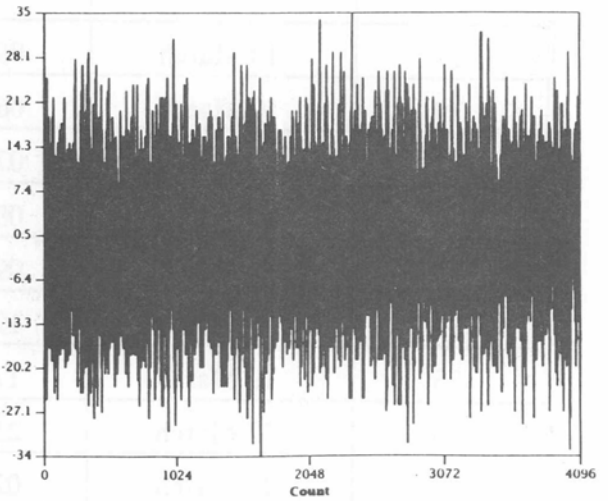
Table A-1.(Cont.)

Record Number	Date (1989)	Time (UT)	Center Frequency (MHz)	Variable Attenuation (dB)
19	10 March	06:25:57	10.662	18
20	10 March	06:25:57	9.244	30
21	17 March	07:08:11	10.662	11
22	17 March	08:47:51	5.936	21
23	10 March	09:51:21	7.844	31
24	10 March	19:58:11	5.936	27
25	10 March	17:37:32	23.862	6
26	27 March	23:37:48	19.29	12
27	28 March	02:05:34	15.848	25
28	28 March	03:27:56	13.666	25
29	28 March	05:59:35	15.848	6
30	28 March	08:13:01	15.848	29
31	28 March	10:26:48	13.666	20
32	28 March	12:07:27	18.718	17
33	28 March	19:04:31	19.29	16
34	28 March	22:10:40	19.29	17
35	28 March	23:39:48	15.848	26
36	29 March	02:31:34	13.666	27
37	29 March	03:28:33	10.662	27
38	29 March	14:53:31	25.885	6
39	29 March	16:27:07	23.862	6
40	29 March	18:51:19	25.885	6
41	29 March	20:37:32	19.29	16
42	29 March	20:45:25	19.29	16

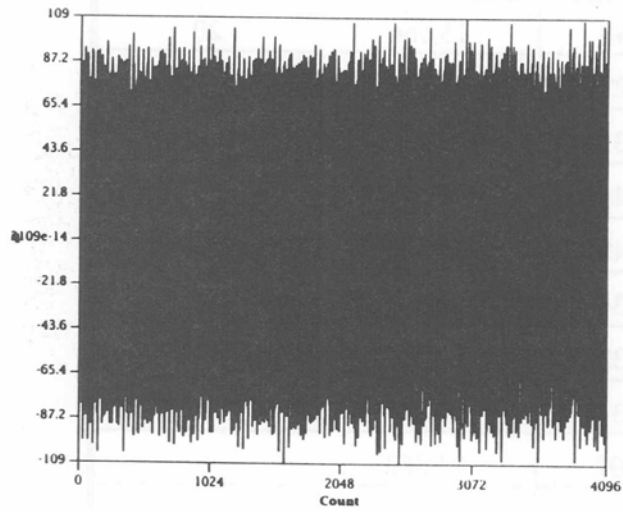
Record 1 (Q)



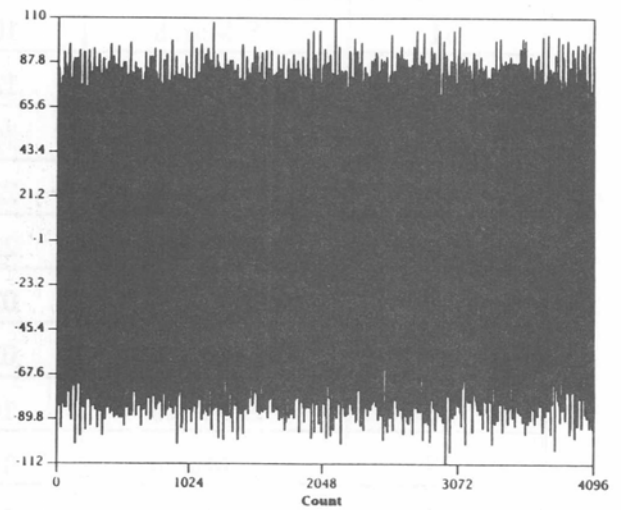
Record 1 (i)



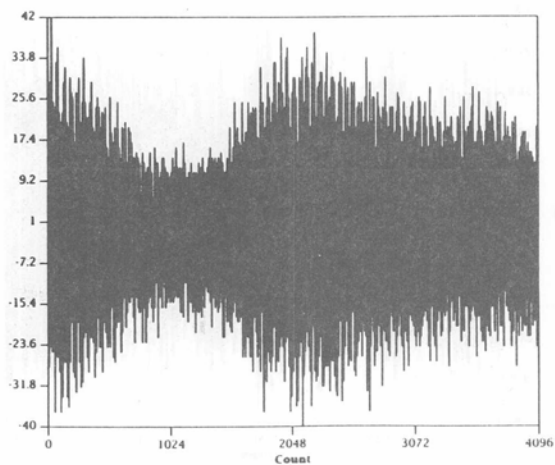
Record 2 (Q)



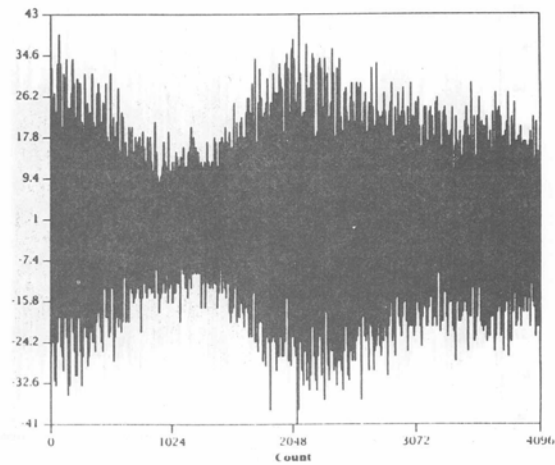
Record 2 (i)



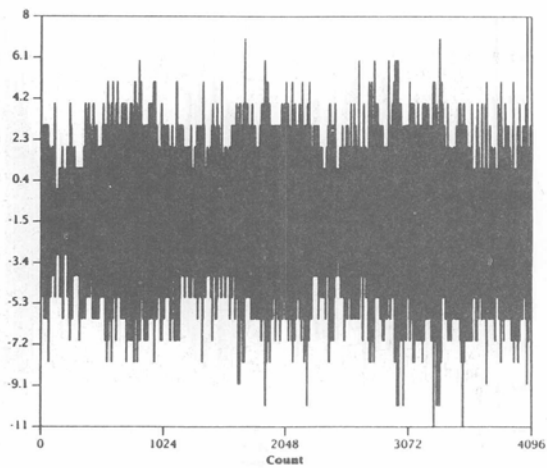
Record 3 (Q)



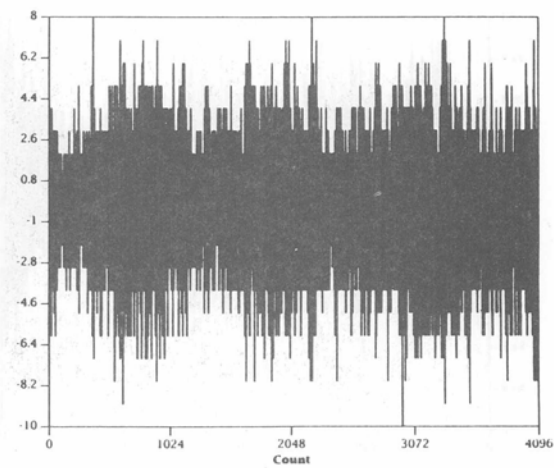
Record 3 (i)



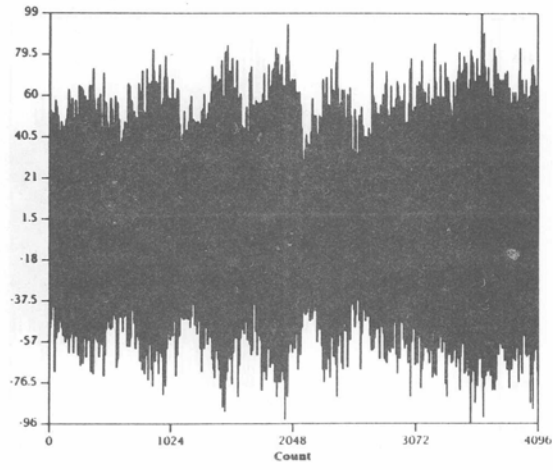
Record 4 (Q)



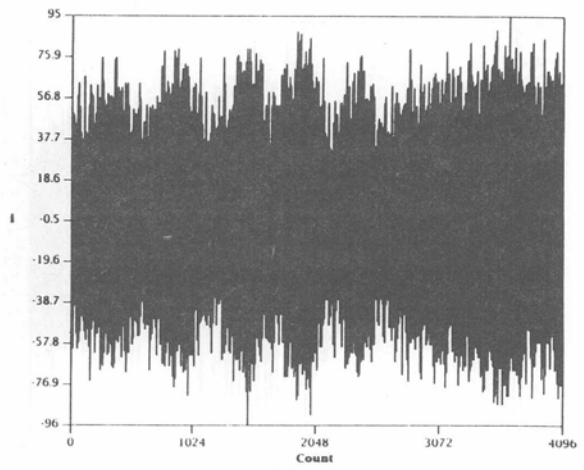
Record 4 (i)



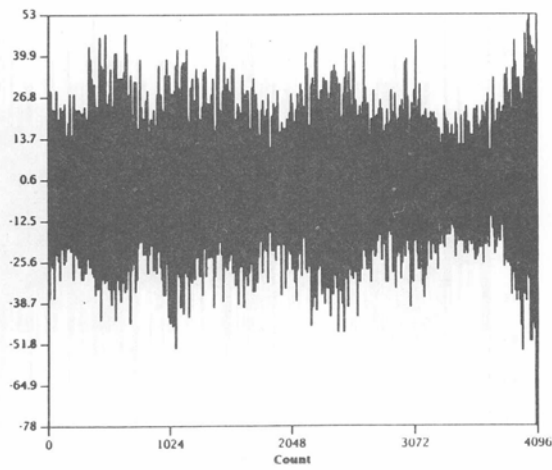
Record 5 (Q)



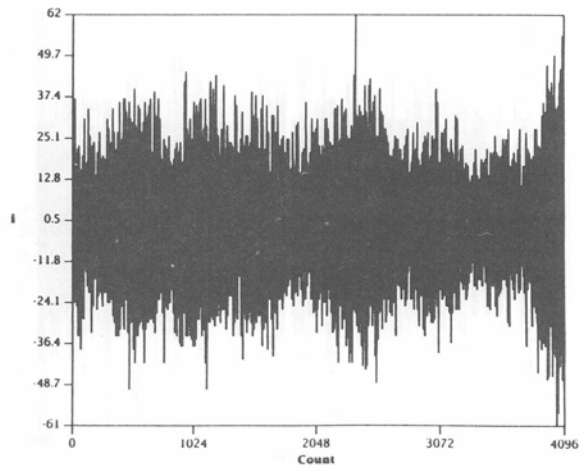
Record 5 (i)



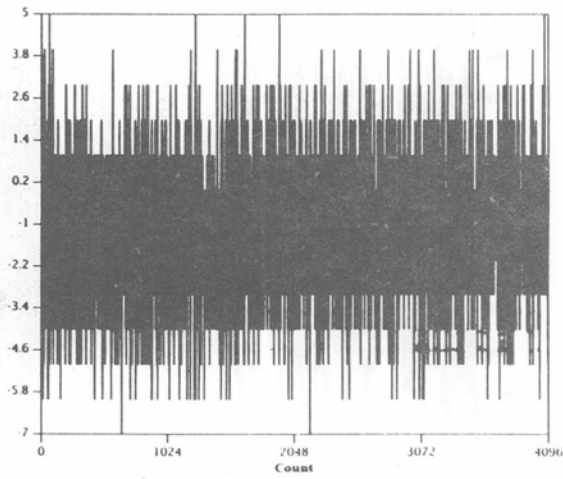
Record 6 (Q)



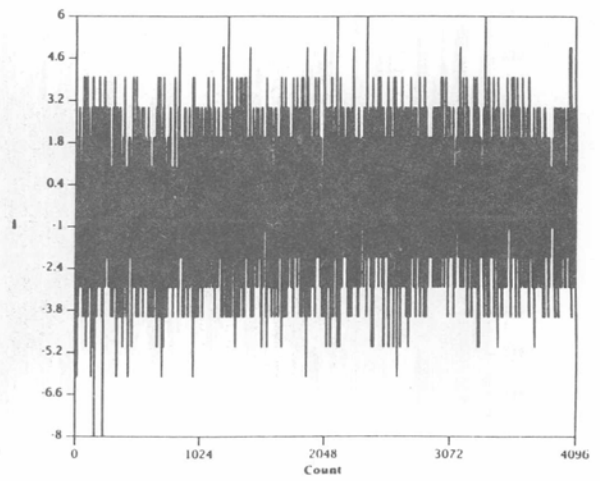
Record 6(i)



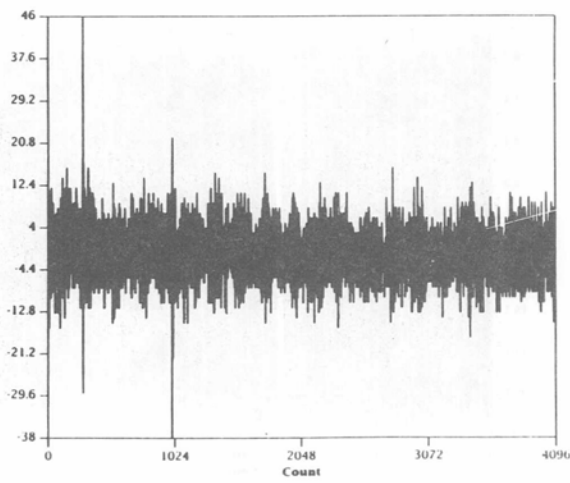
Record 7 (Q)



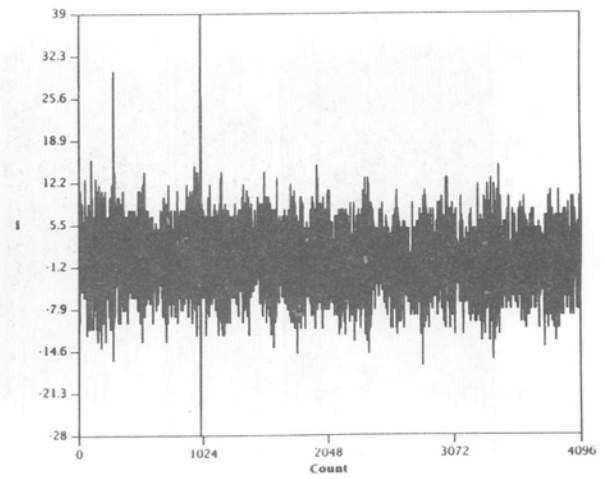
Record 7 (i)



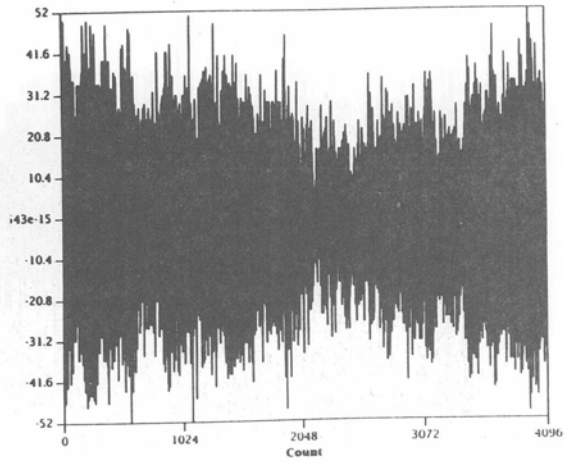
Record 8 (Q)



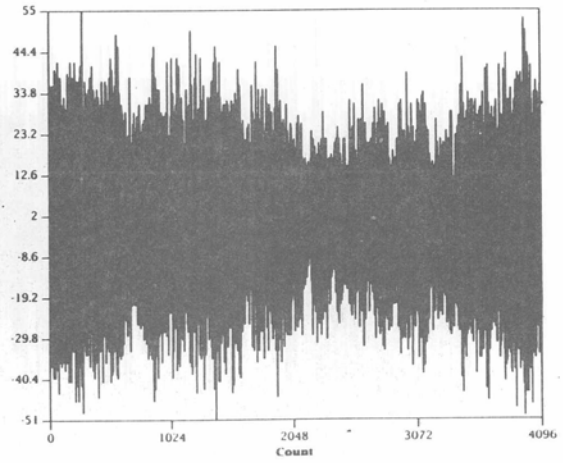
Record 8 (i)



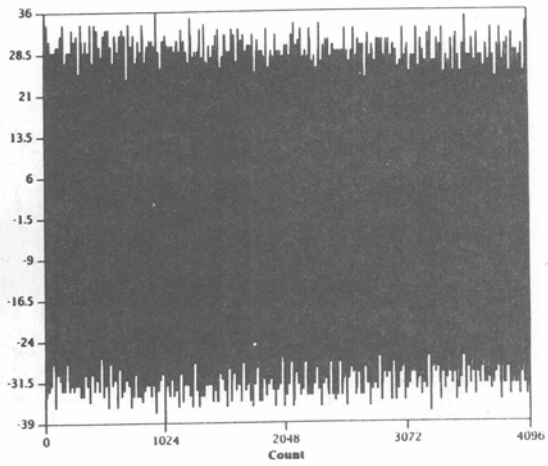
Record 9 (Q)



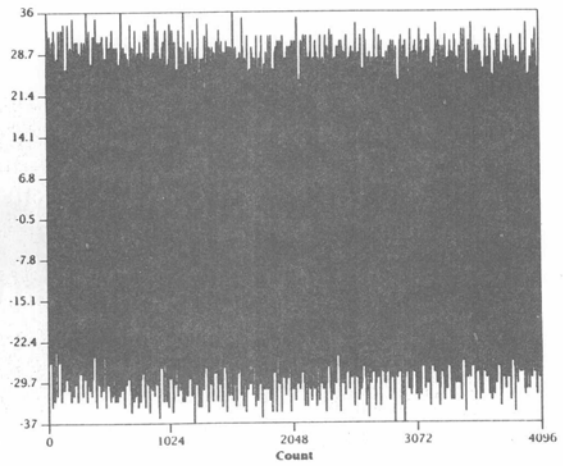
Record 9 (i)



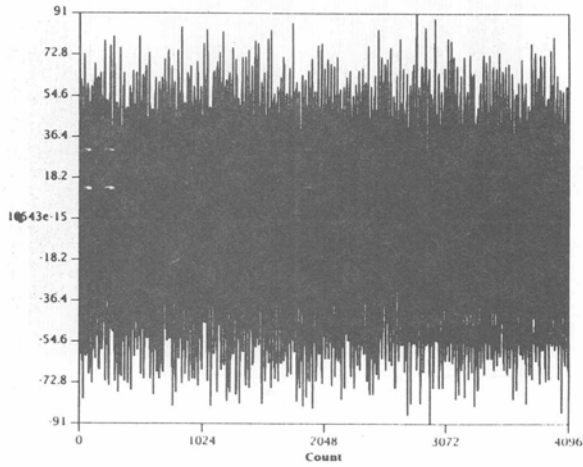
Record 10 (Q)



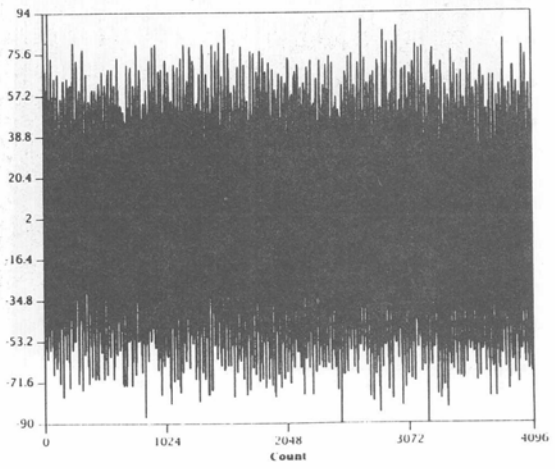
Record 10 (i)



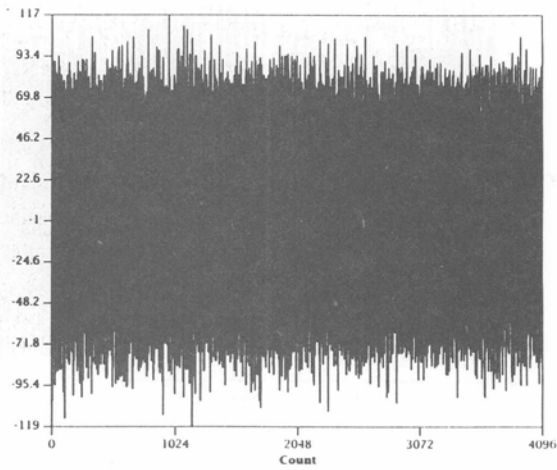
Record 11 (Q)



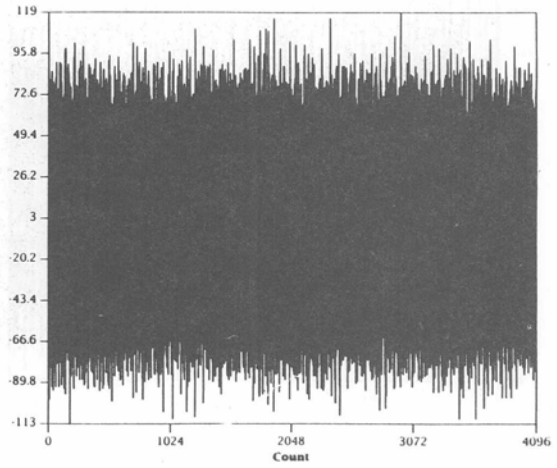
Record 11 (i)



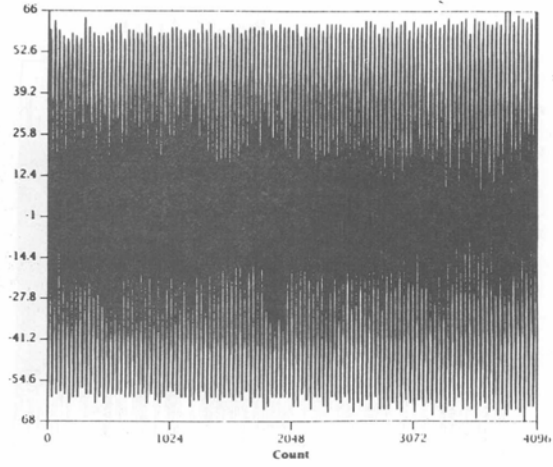
Record 12 (Q)



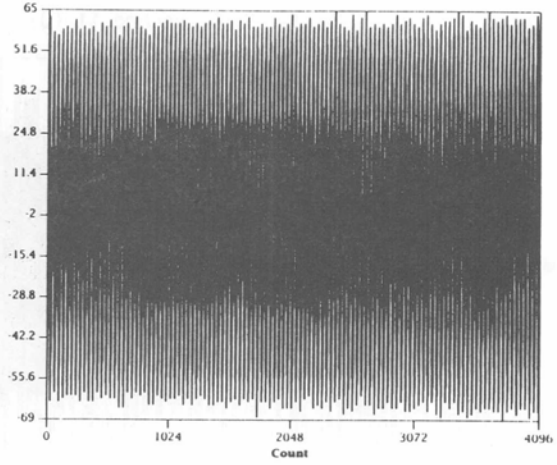
Record 12 (i)



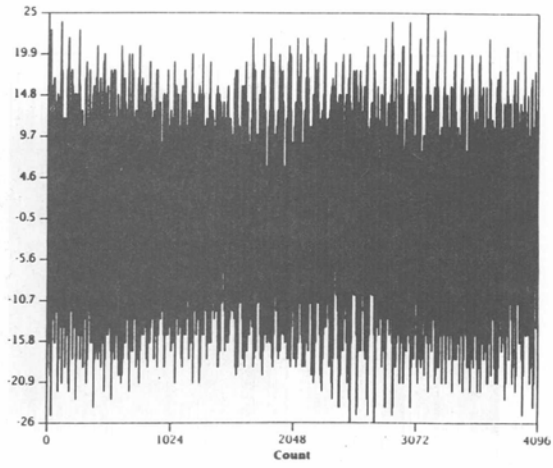
Record 13 (Q)



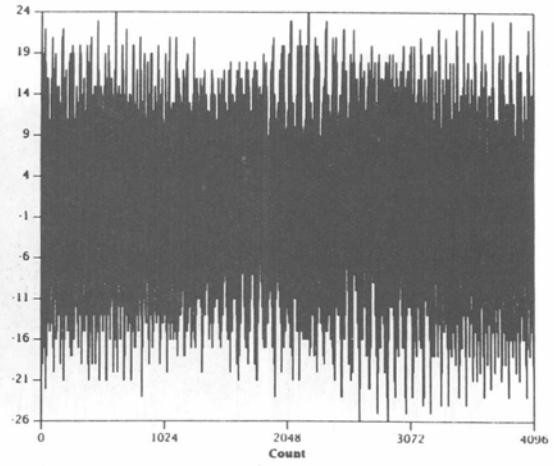
Record 13 (i)



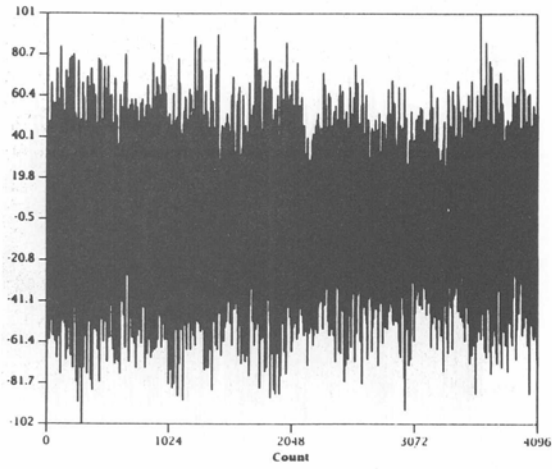
Record 14 (Q)



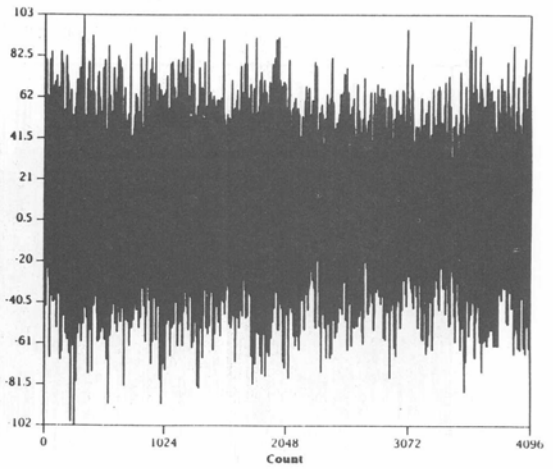
Record 14 (i)



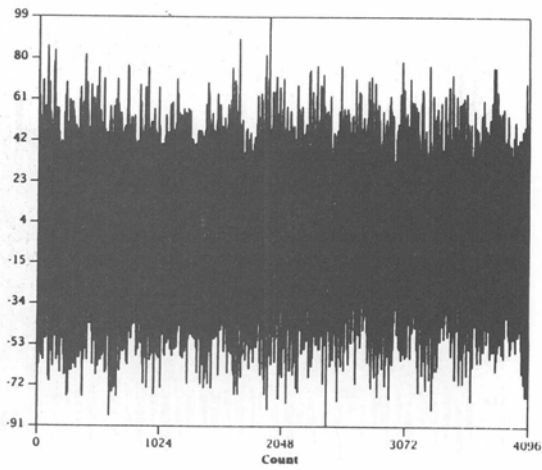
Record 15 (Q)



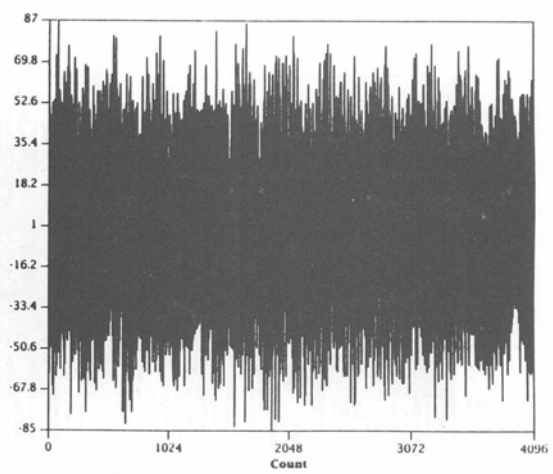
Record 15 (i)



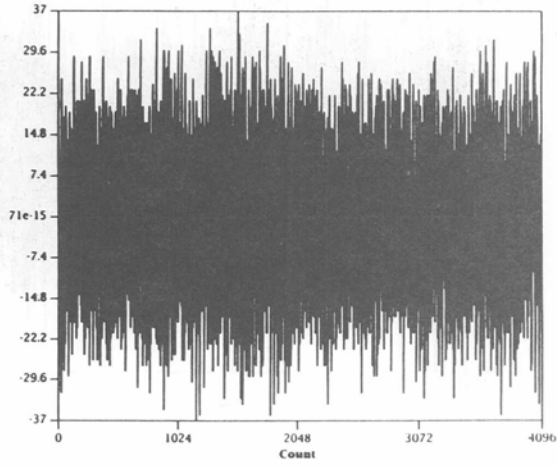
Record 16 (Q)



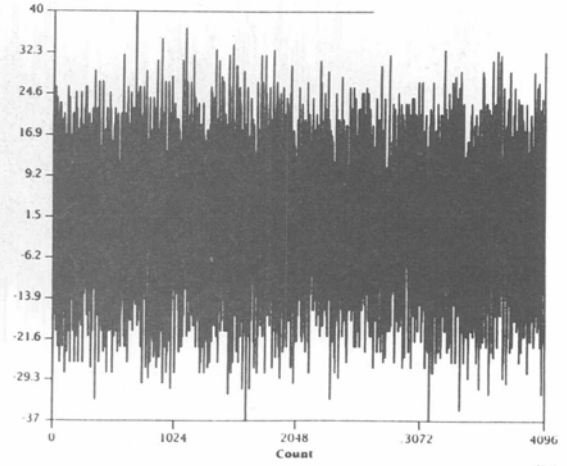
Record 16 (i)



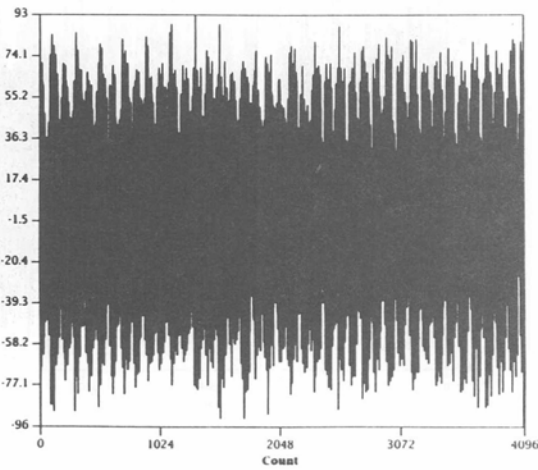
Record 17 (Q)



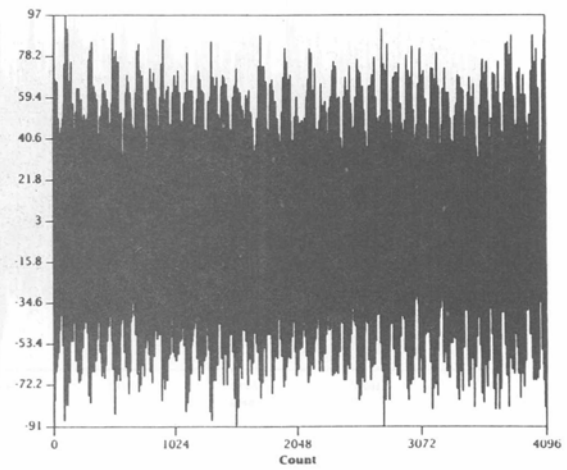
Record 17 (i)



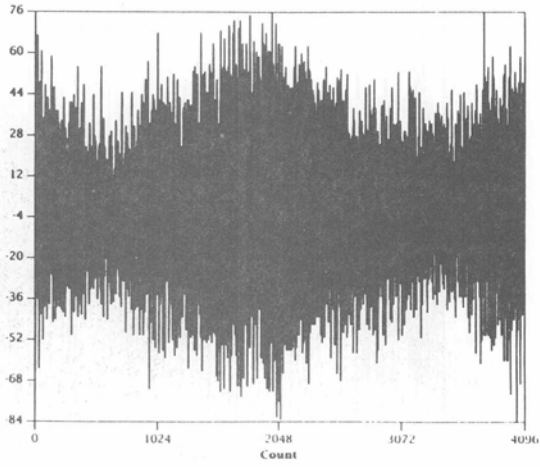
Record 18 (Q)



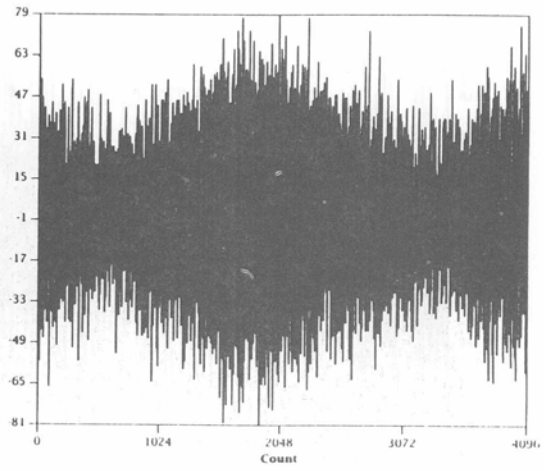
Record 18 (i)



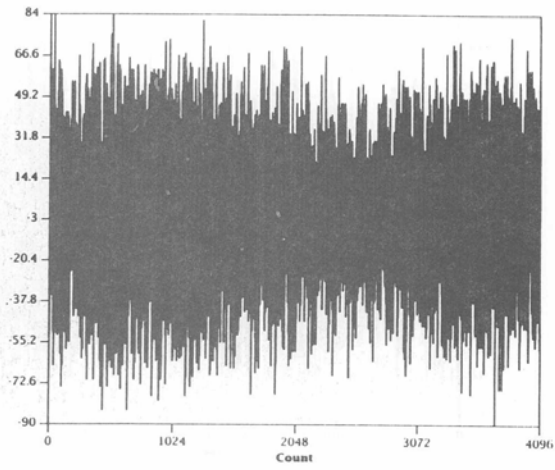
Record 19 (Q)



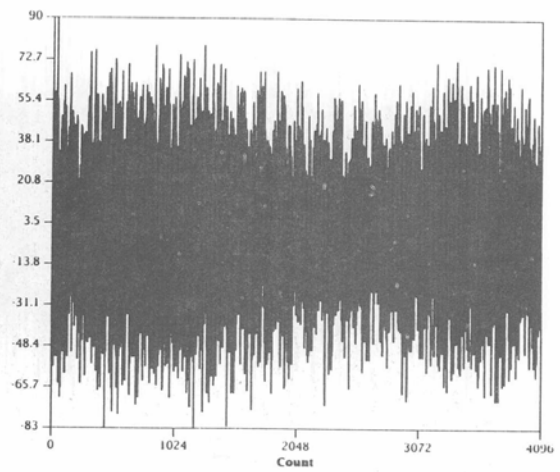
Record 19 (i)



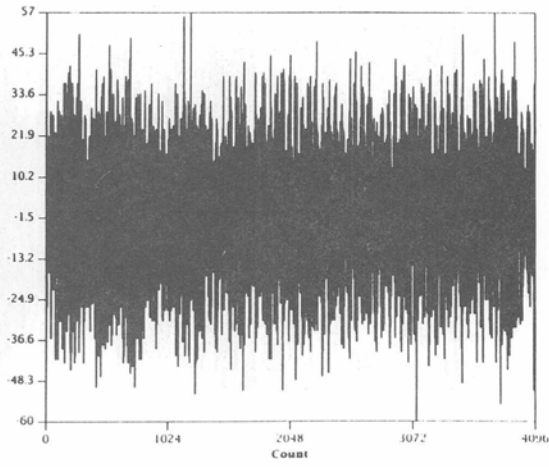
Record 20 (Q)



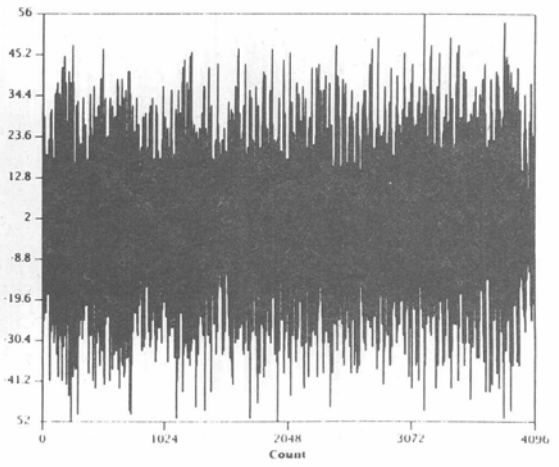
Record 20 (i)



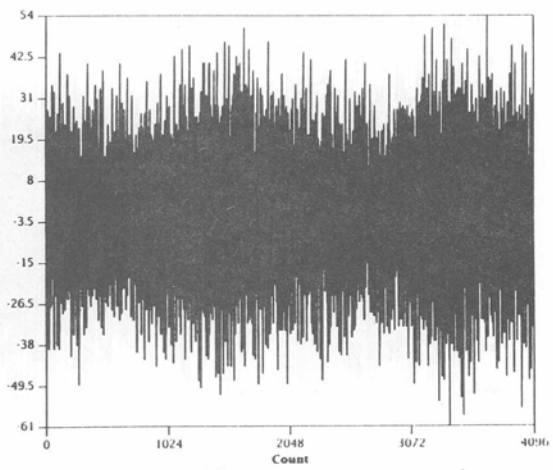
Record 21 (Q)



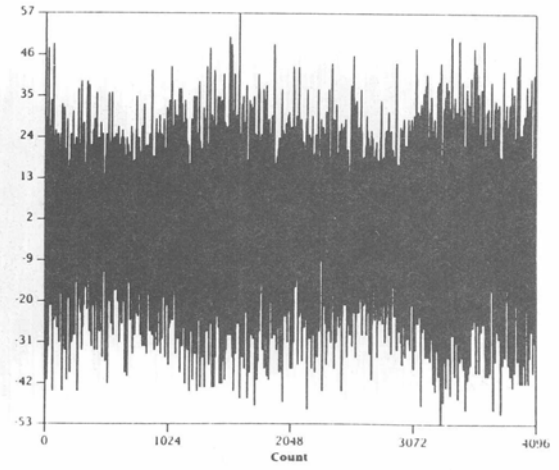
Record 21 (i)



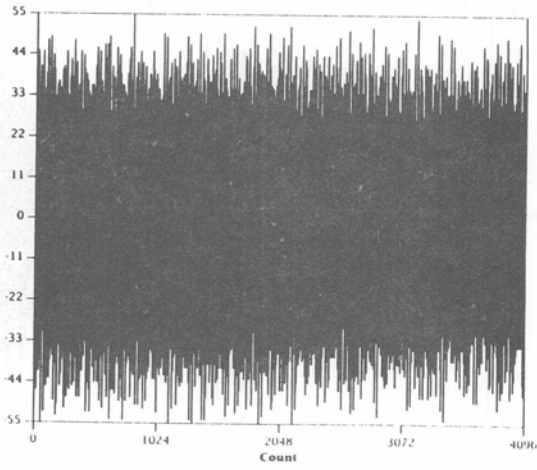
Record 22 (Q)



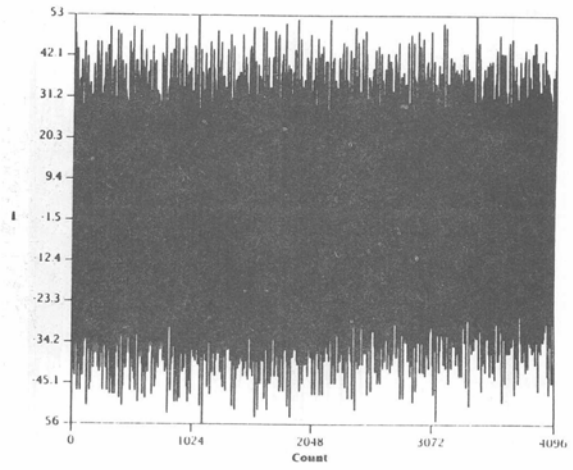
Record 22 (i)



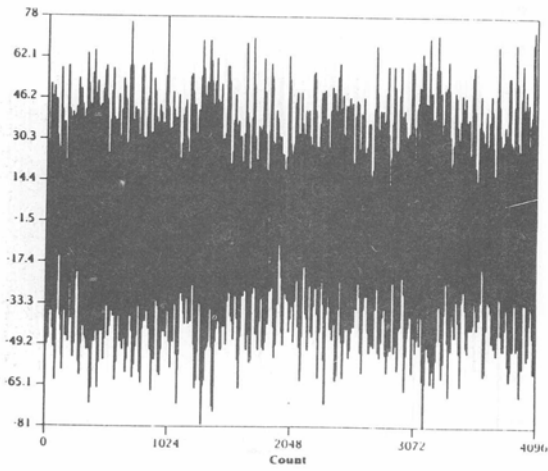
Record 23 (Q)



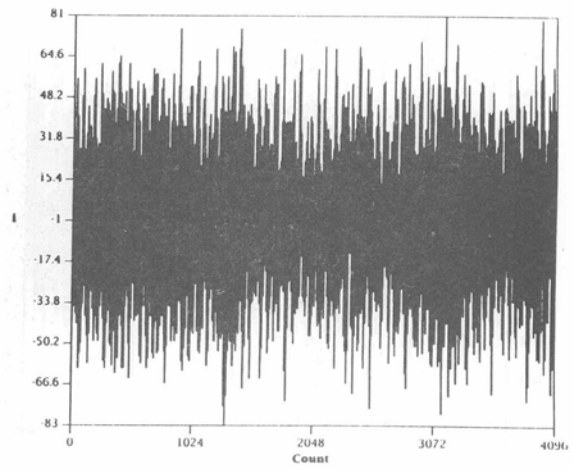
Record 23 (i)



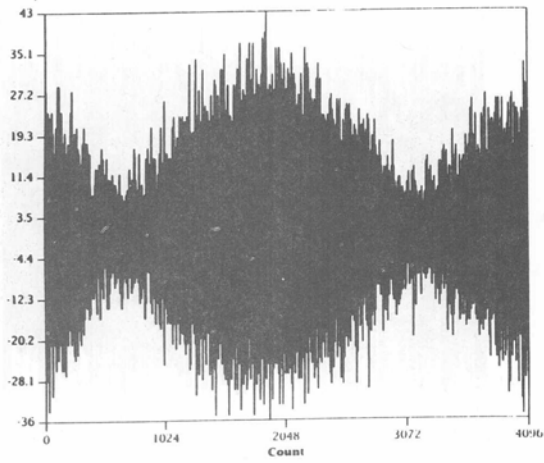
Record 24 (Q)



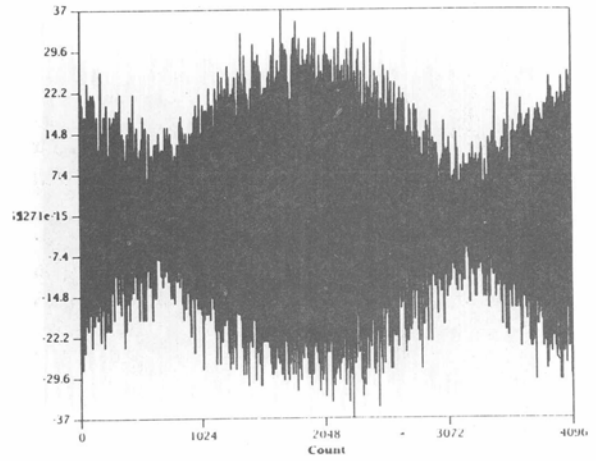
Record 24 (i)



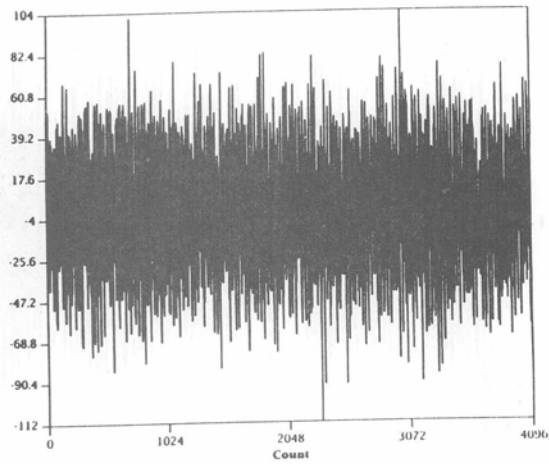
Record 25 (Q)



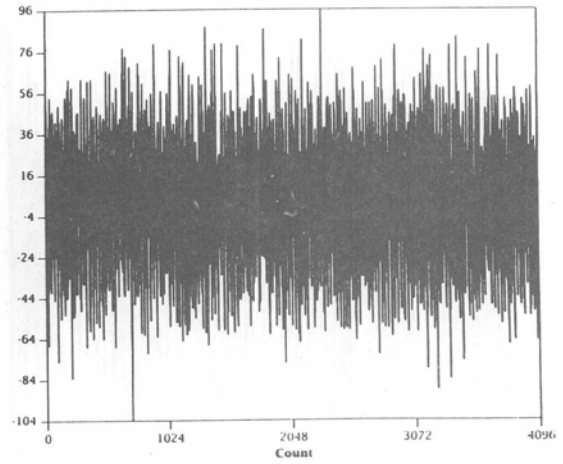
Record 25 (i)



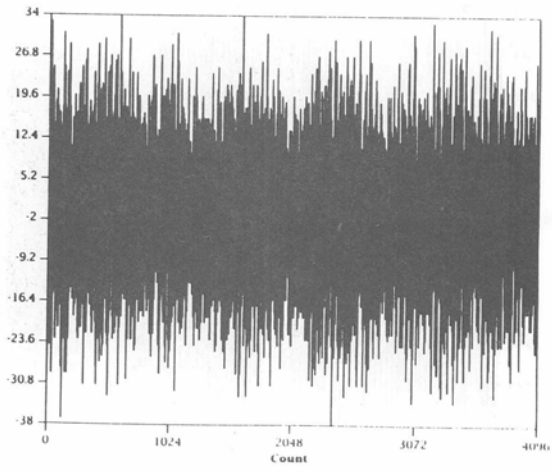
Record 26 (Q)



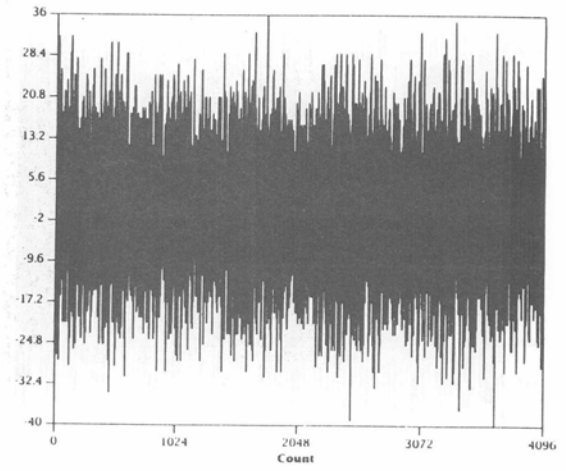
Record 26 (i)



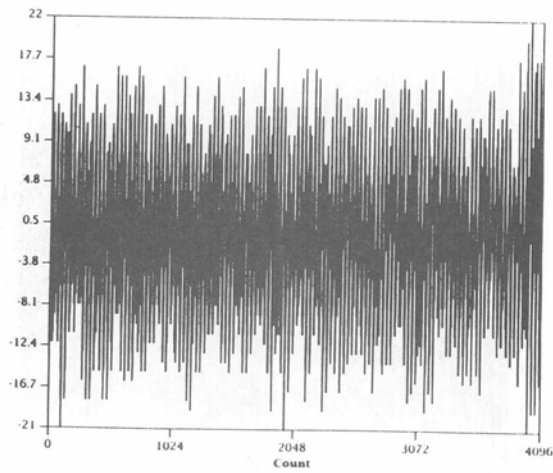
Record 27 (Q)



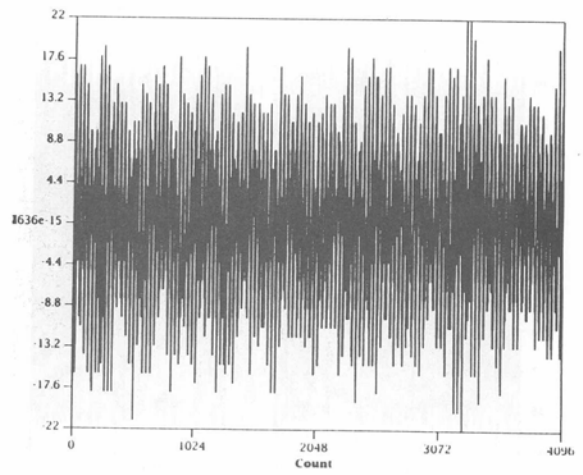
Record 27 (i)



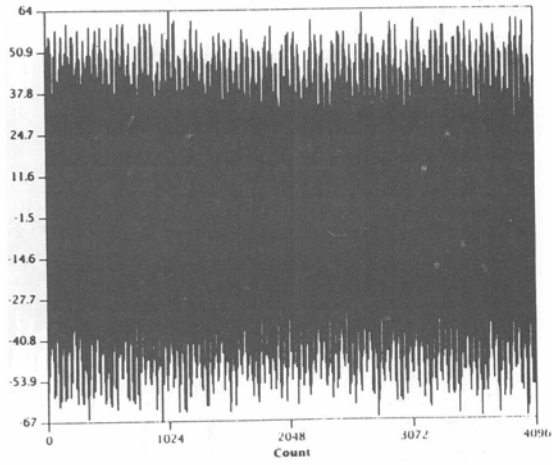
Record 28 (Q)



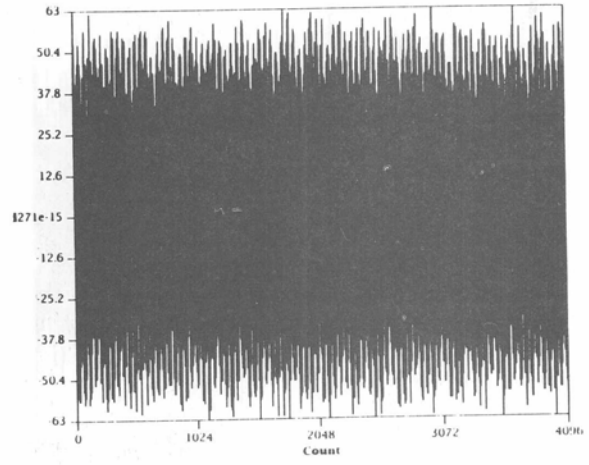
Record 28 (i)



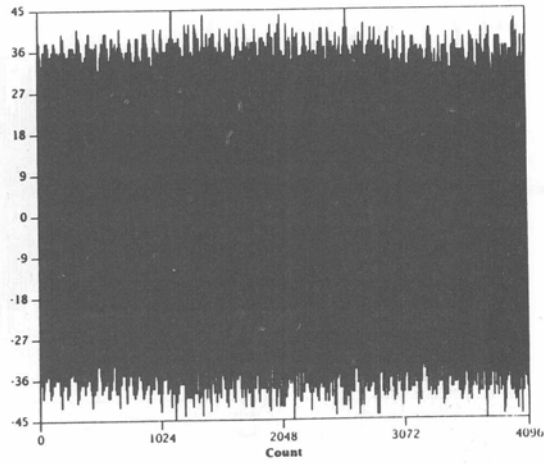
Record 29 (Q)



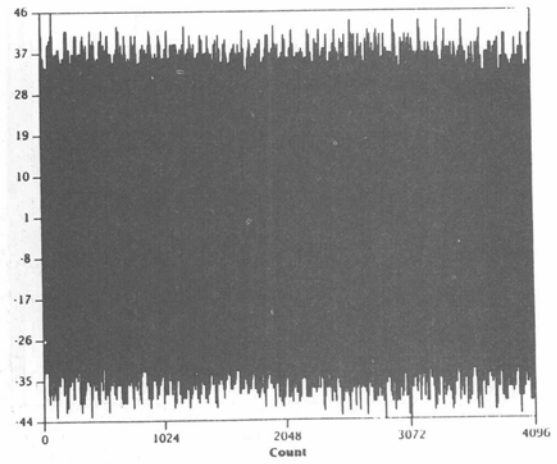
Record 29 (i)



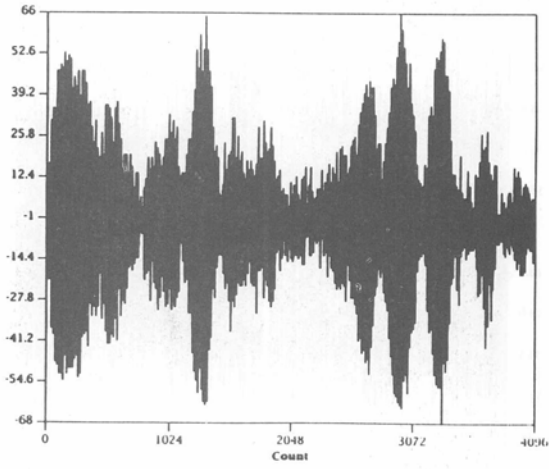
Record 30 (Q)



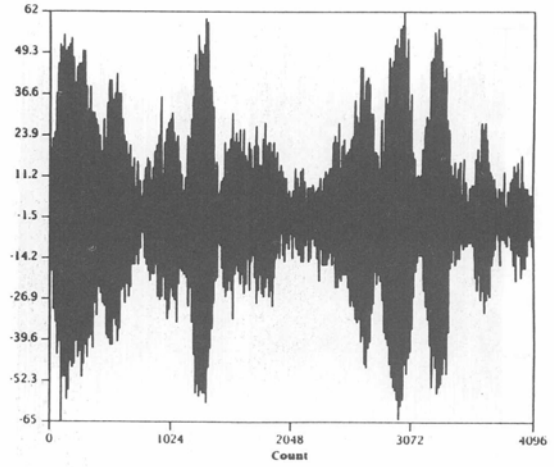
Record 30 (i)



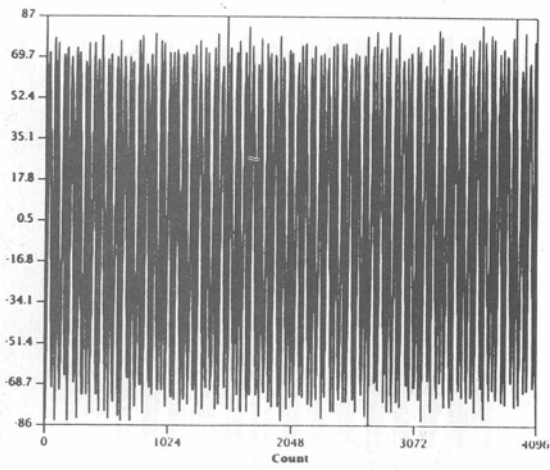
Record 31 (Q)



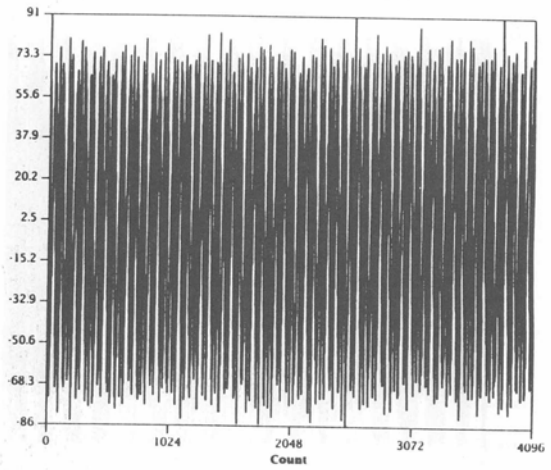
Record 31 (i)



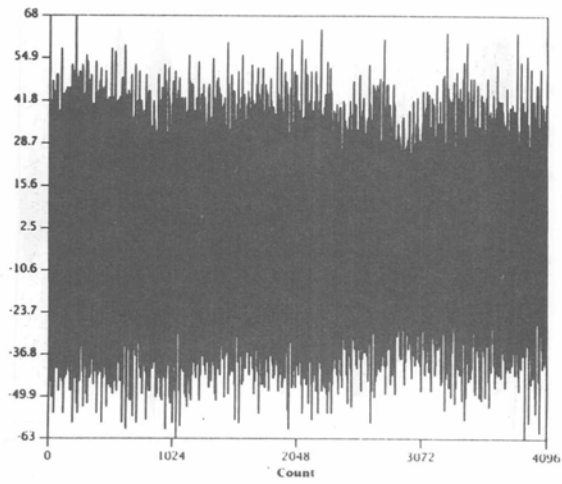
Record 32 (Q)



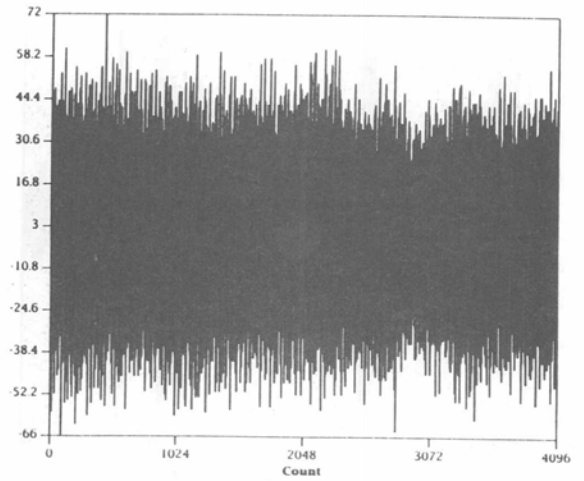
Record 32 (i)



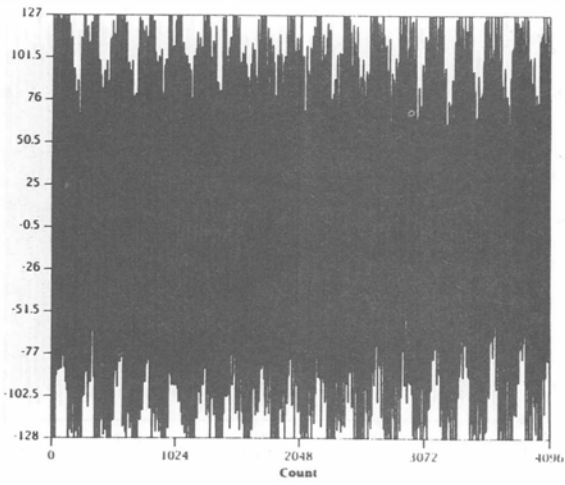
Record 33 (Q)



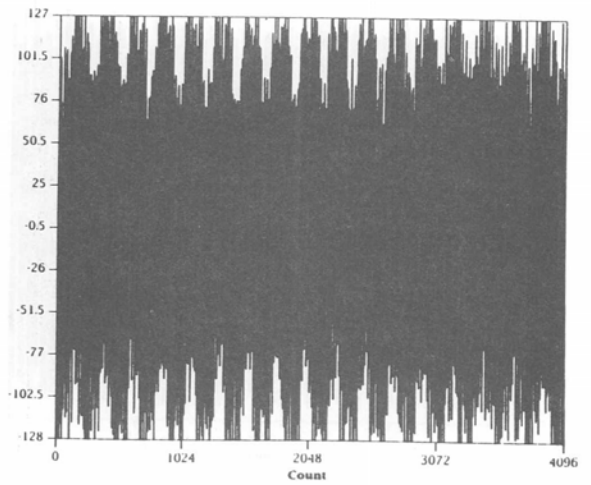
Record 33 (i)



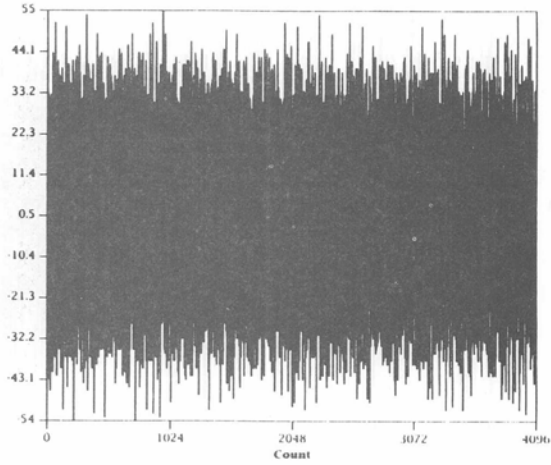
Record 34 (Q)



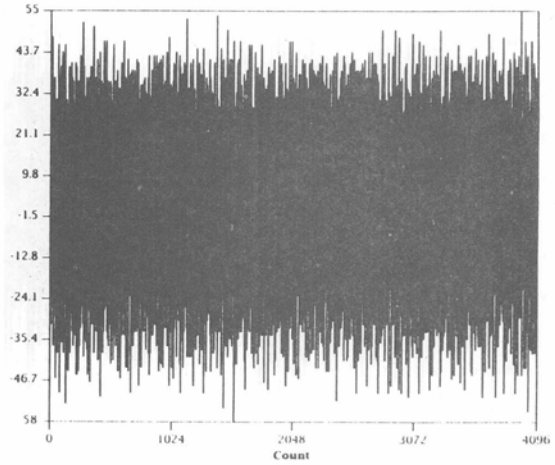
Record 34 (i)



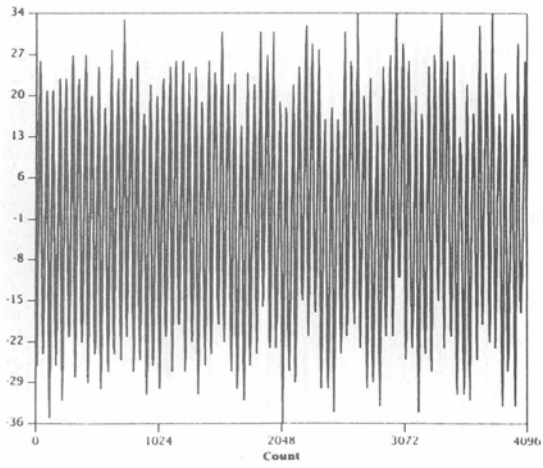
Record 35 (Q)



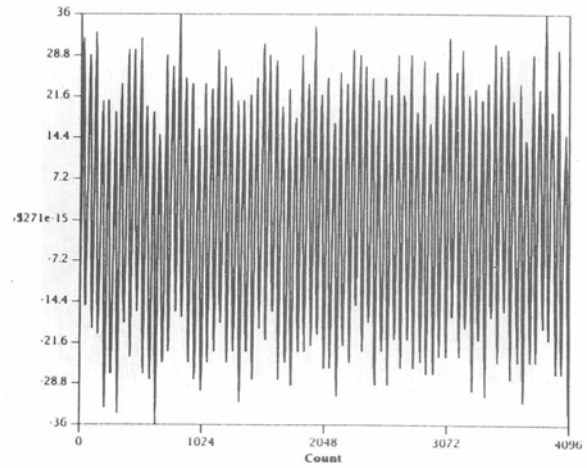
Record 35 (i)

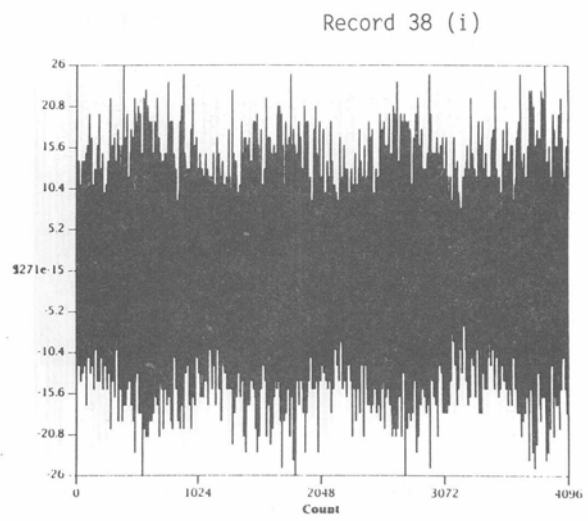
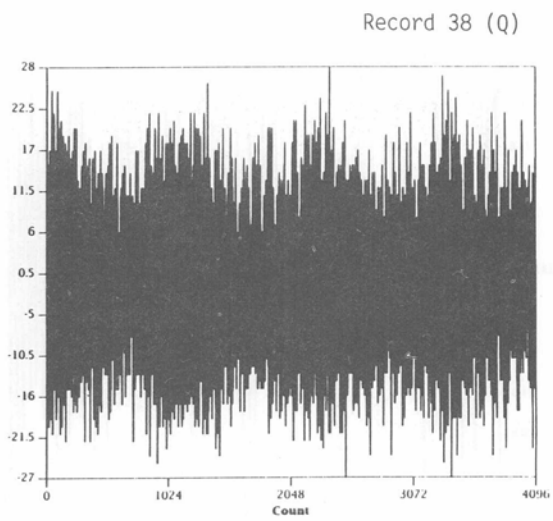
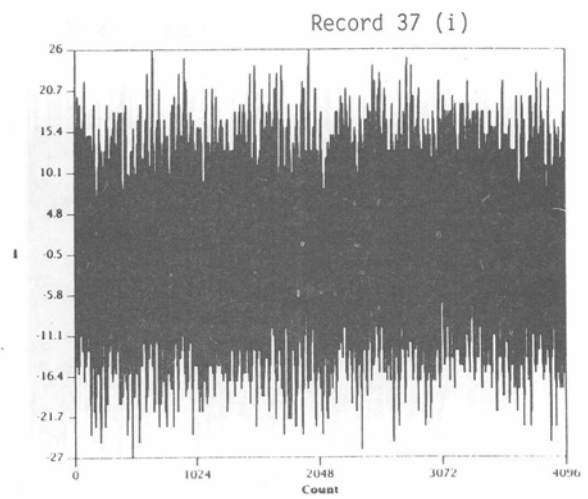
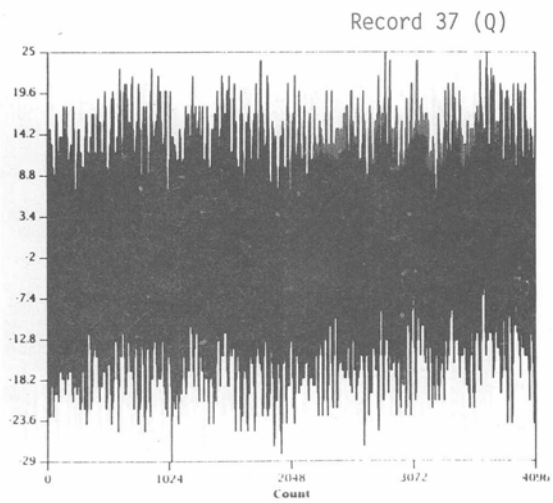


Record 36 (Q)

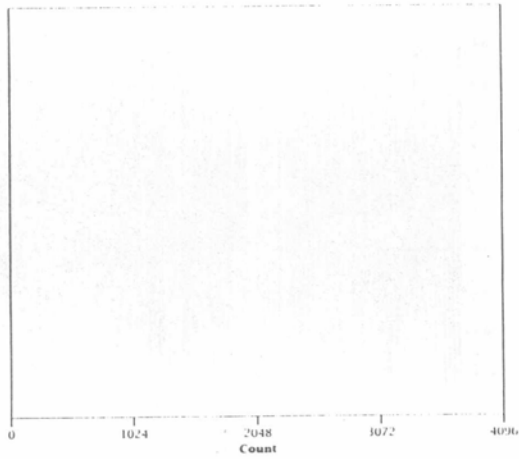


Record 36 (i)

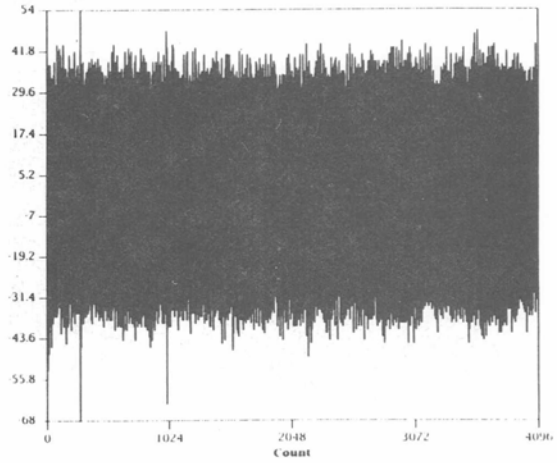




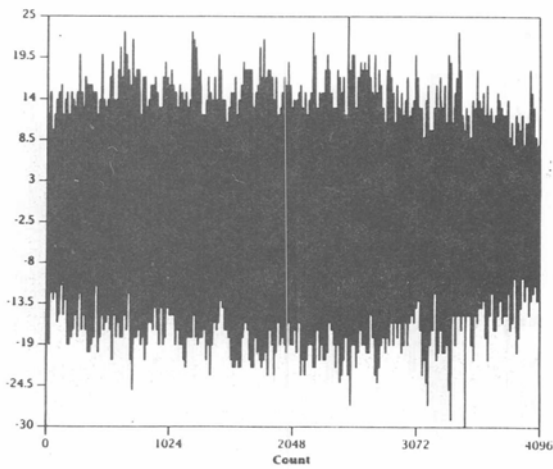
Record 39 (Q)



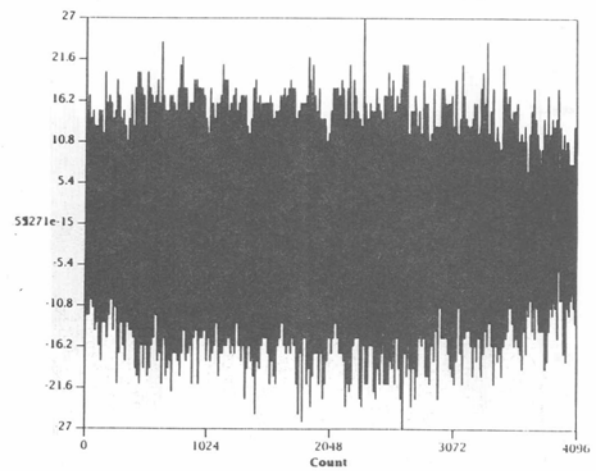
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Record 40 (Q)



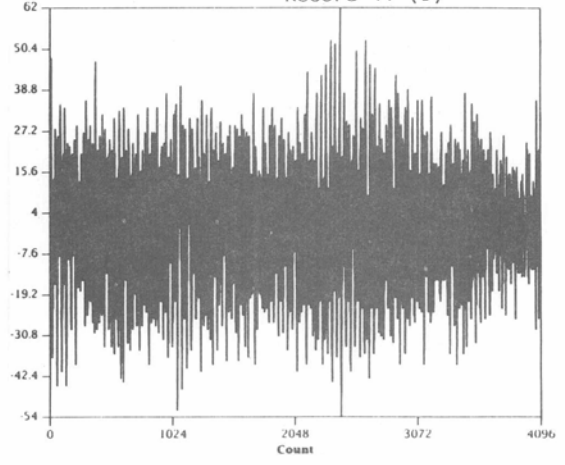
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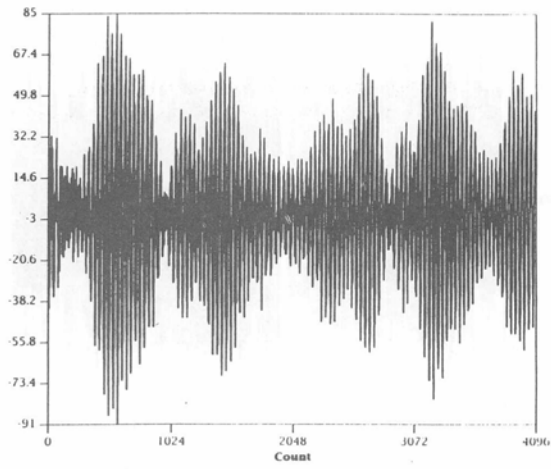
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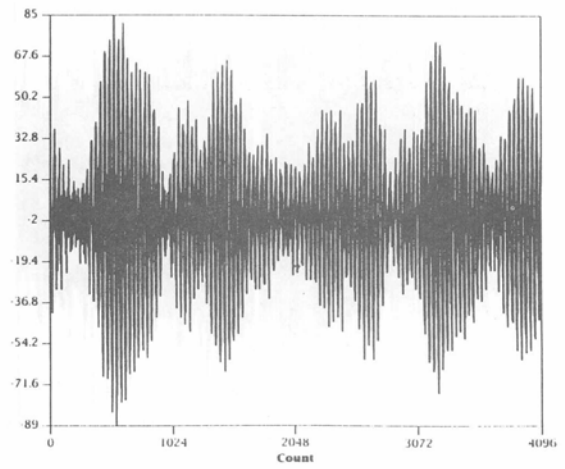
Record 41 (i)



Record 42 (Q)



Record 42 (i)



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15. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here.) This report discusses the development of a wideband HF noise/interference model. The model is based on measured data and is suitable for implementation in a wideband HF channel simulator. The measured data are described and analyses performed on the data are discussed. Then the proposed noise/interference model is presented. Example results from the model are compared with measured data, and aspects of the model development which require further investigation are discussed.			
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