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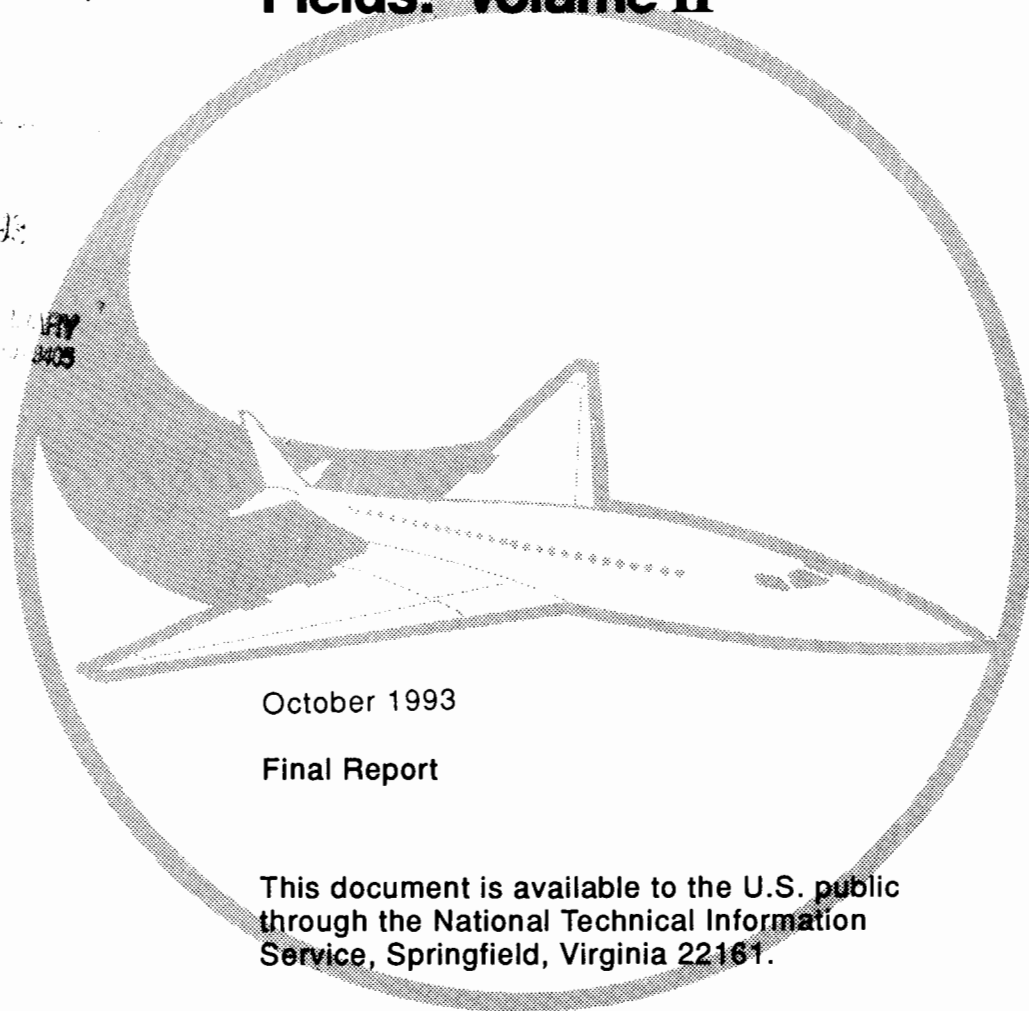
DOT/FAA/CT-93/5-II

FAA Technical Center
Atlantic City International Airport
N.J. 08405

S-76 High Intensity Radiated Fields: Volume II

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Final Report

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16. Abstract The Federal Aviation Administration (FAA) Technical Center sponsored a series of High Intensity Radiated Fields (HIRF) test on a Sikorsky S-76 rotorcraft. The project was conducted to evaluate the practicality of performing aircraft level HIRF tests, determine the effects of HIRF on a specific rotorcraft with the potential to obtain information on rotorcraft in general, and evaluate the effects of exposure to "real world" HIRF emitters. HIRF ground and flight tests were conducted to achieve the objective of the project. Site calibration (SCAL) measurements were made in the test area to determine the levels at which the S-76 would be irradiated when placed in the test area. Ground tests consisted of Low Level Swept Coupling (LLSC) and Low Level Swept Fields (LLSF) tests. The flight tests were flown directly into the main beam of a variety of pulsed and continuous wave (CW) transmitters including the Over the Horizon Back Scatter (OTHS), PAVE PAWS, ASR-9, FPS-65, and FPS-16 radars. Results of the S-76 tests added credibility to the existence of HIRF as a flight safety hazard. In the evaluation of the emitters, the flight tests showed repeatable instances where exposure resulted in instrumentation disruptions. It should however be noted that all the observed disruptions were of a non-critical nature.			
17. Key Words HIRF Electromagnetic Fields LLSC Helicopter		18. Distribution Statement Document is available to the public through the National Technical Information Service, Springfield, Virginia 22161	
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VOLUME II
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SECTION 1
SCAL DATA PLOT DESCRIPTION

The SCAL data plots (sample on the following page) each contain the following information:

- Band number identification (Band)
 - S-76 orientation during the test (TXLOC)
 - SCAL test set number (RXLOC)
 - Transmit Antennae Polarity (POLARITY)
 - Full threat data array size (ARRAY SIZE - used internally by software application to process the data)
 - Name of the corrected SCAL data file
 - Data type indicator (if black indicates plot is E-Field data)
 - SCAL data type indicator (if black indicated plot is SCAL data)
 - Disk read error indicator (DISK STATUS)
 - Single corrected data value (NEW DATA VALUE - used internally by software application to process data)
 - Original uncorrected SCAL data file name (READ FILE NAME)
 - Original SCAL Data Plot in dBm with background noise overlay (RAW DATA PLOT (dBm) WITH SNR)
 - Corrected data plot in dBuV/m (CORRECTED DATA PLOT dBuV/m OR dBuA)
 - SCAL processed data plot with values in V/m (SITE CALIBRATION DATA IN V/m or A)
-

SECTION 1-1
SCAL SET ONE DATA PLOTS

MAXIMUM SNR

18.00

MINIMUM SNR

0.00

AVERAGE SNR

6.47

BAND

1

TX LOC

1

FX LOC

1

POLARITY

H

ARRAY SIZE

6

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM1H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM1H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

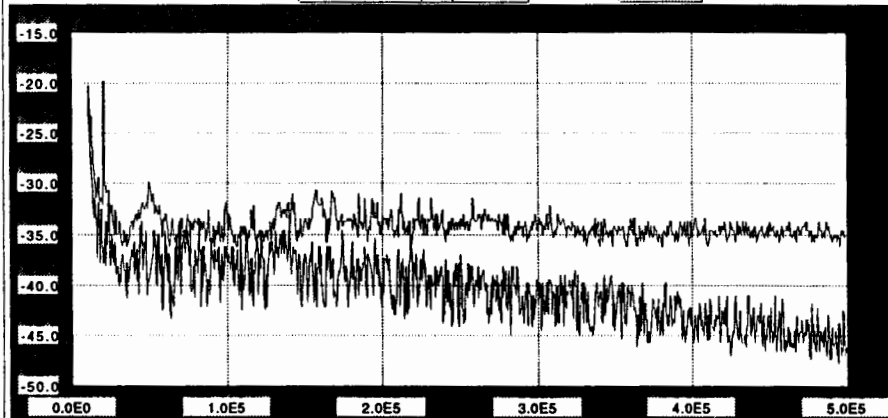
NEW DATA VALUE

6.78E1

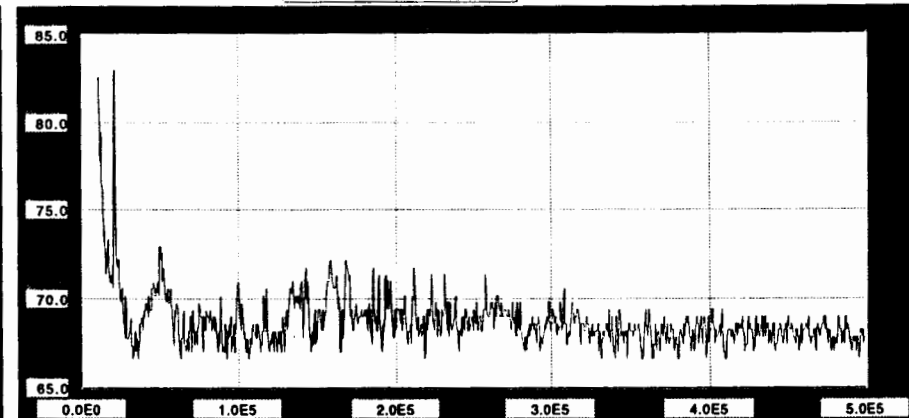
BN DISK STATUS

0

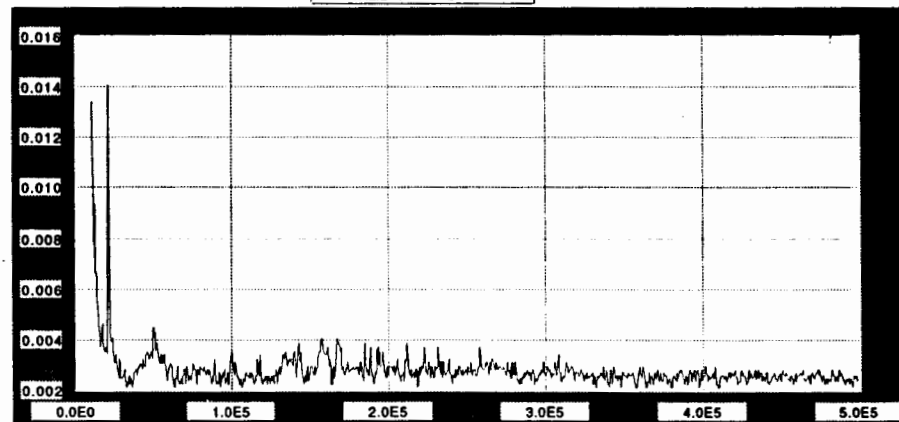
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

25.20

MINIMUM SNR

0.00

AVERAGE SNR

11.21

BAND

2

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

3

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

7.95E1

BN DISK STATUS

0

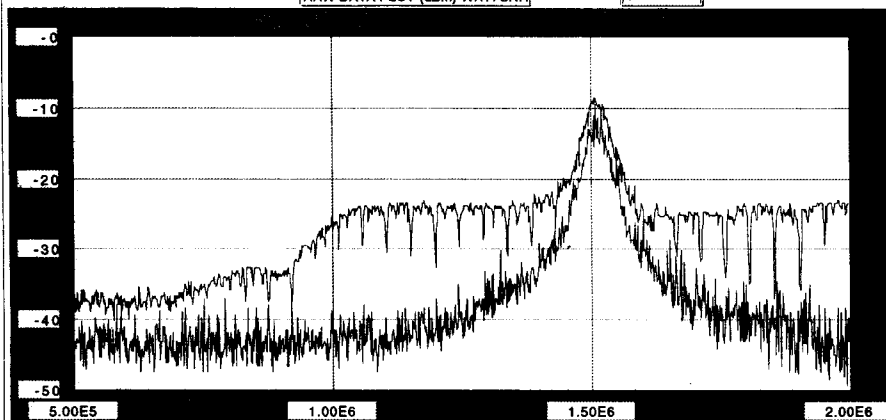
SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM2H11SCC

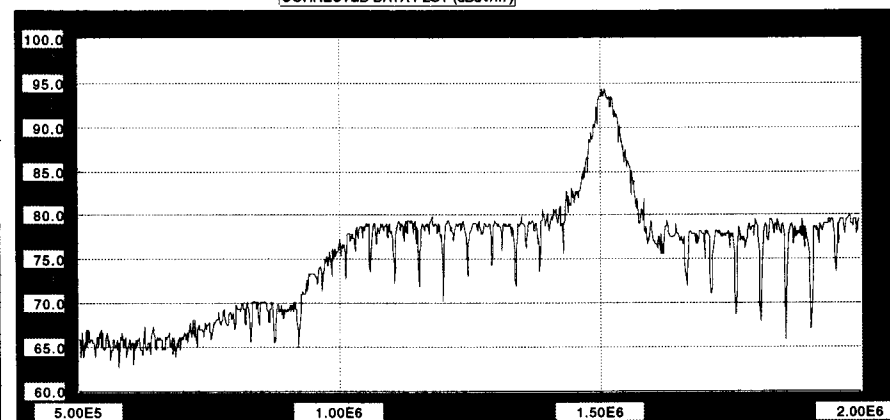
READ FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM2H11SC

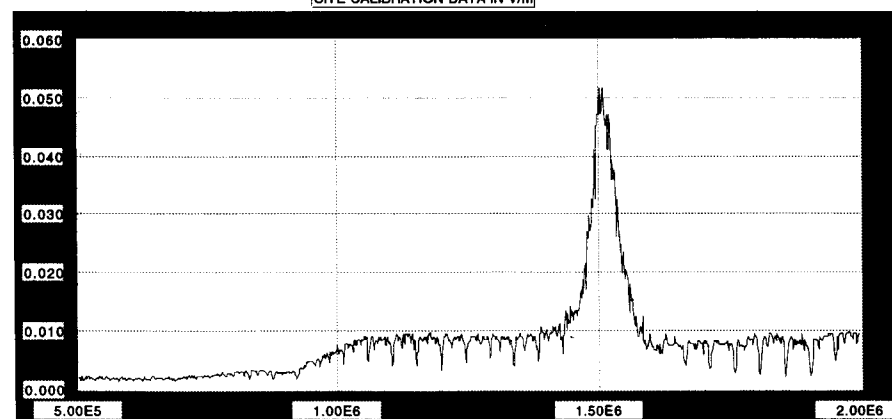
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

32.80

MINIMUM SNR

0.00

AVERAGE SNR

15.52

BAND

3

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

4

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM3H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM3H11SC

SITE CALIBRATION DATA

DISK STATUS

0

ITERATION

1000

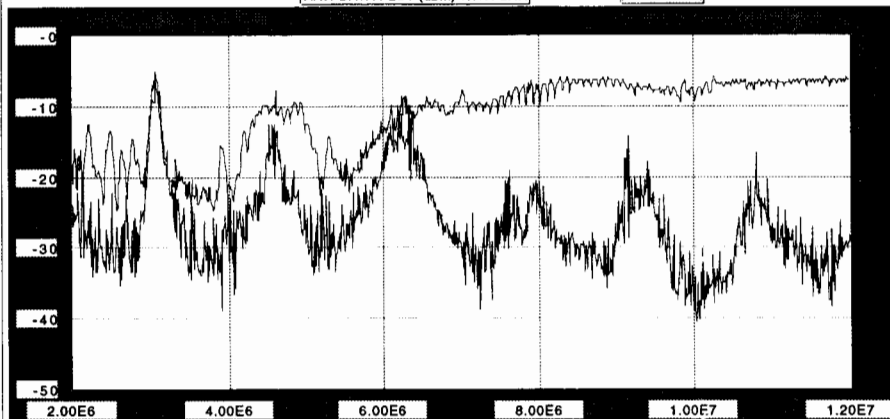
NEW DATA VALUE

9.70E1

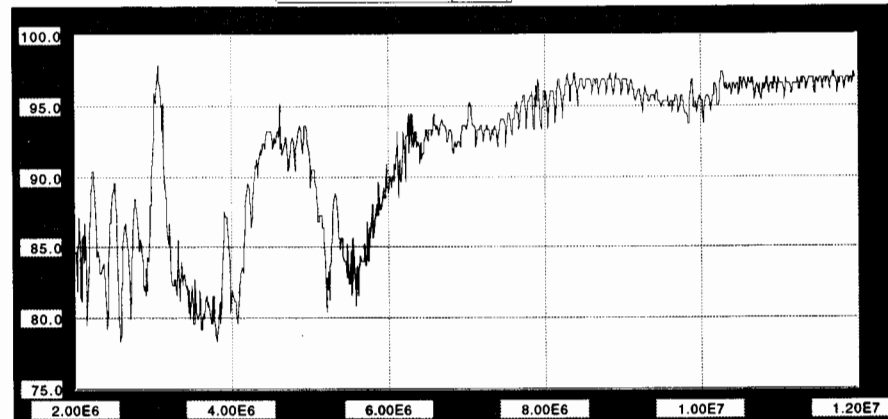
BN DISK STATUS

0

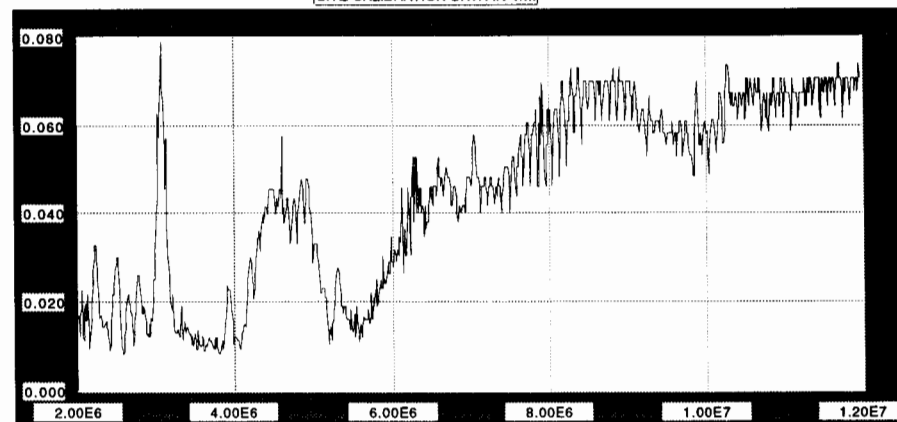
RAW DATA PLOT (dBm) WITH SNR

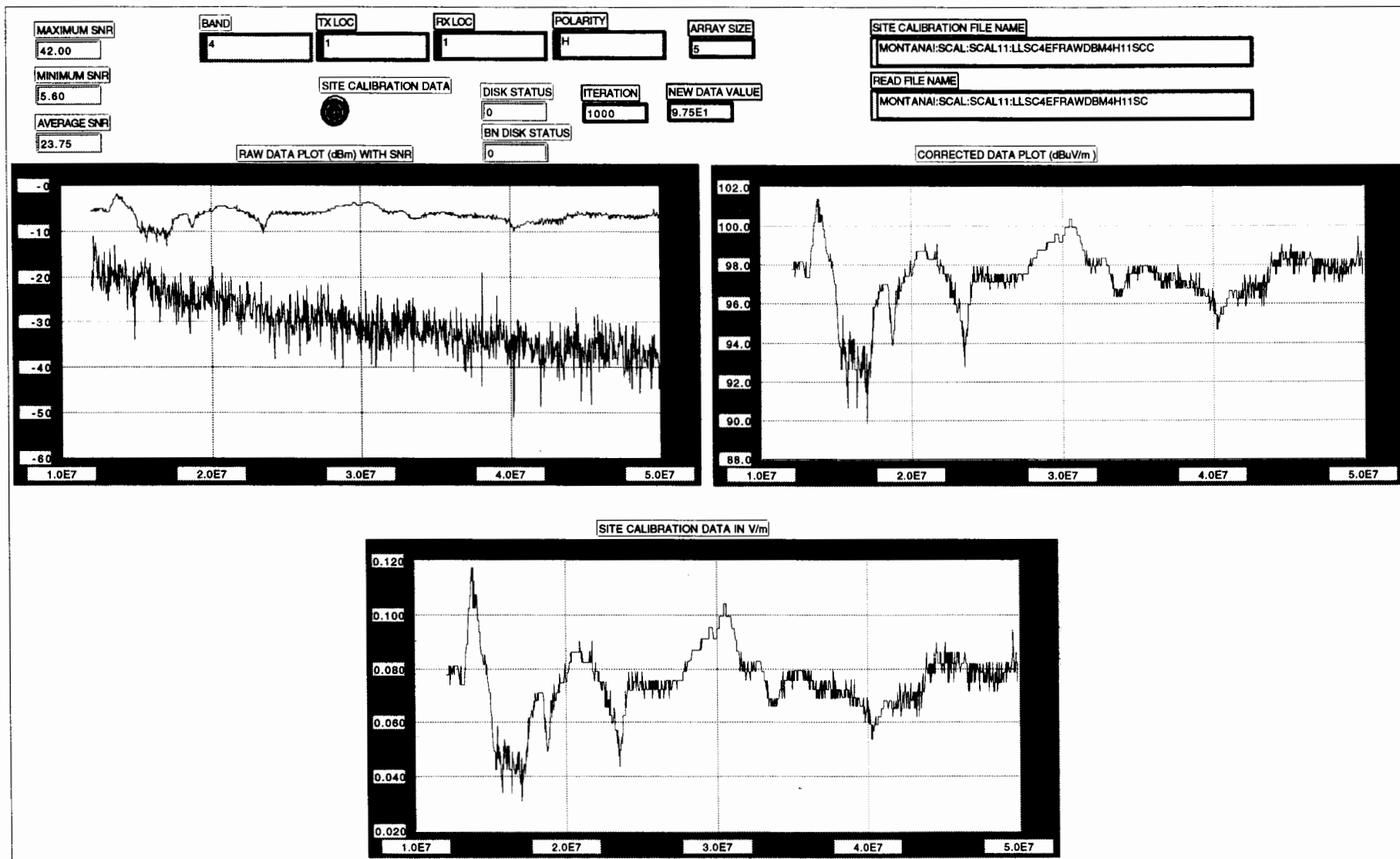


CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m





MAXIMUM SNR

49.60

MINIMUM SNR

14.40

AVERAGE SNR

37.48

BAND

5

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

26

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM5H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM5H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

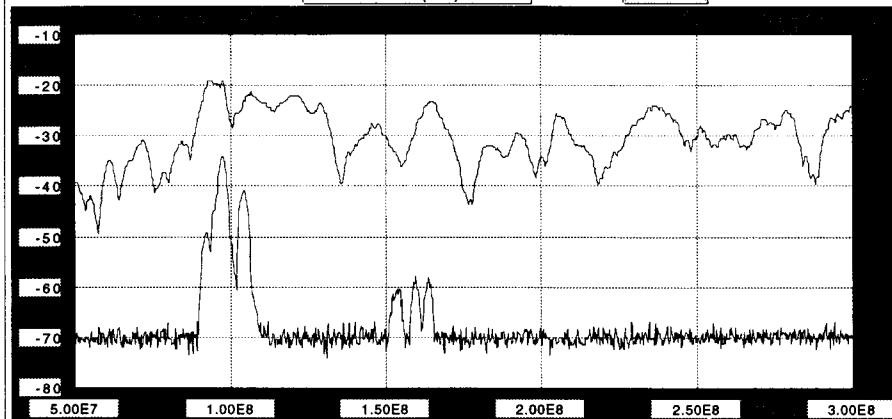
NEW DATA VALUE

1.26E2

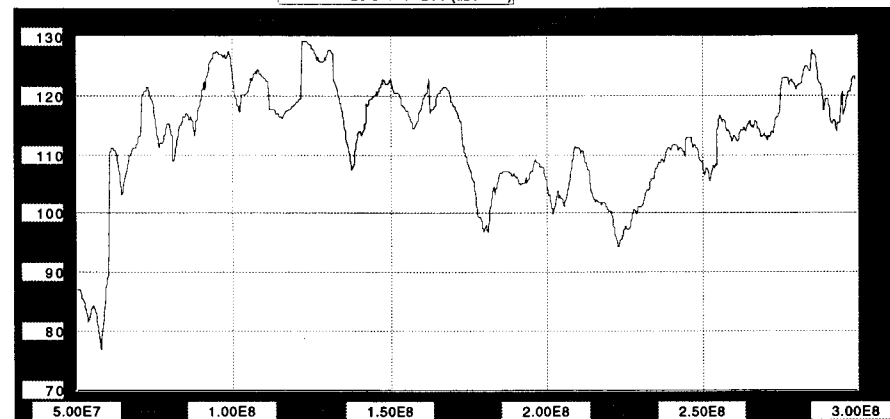
BN DISK STATUS

0

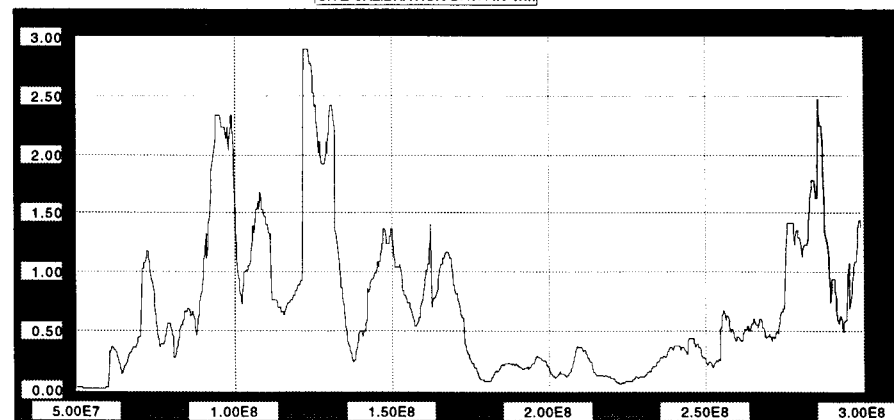
RAW DATA PLOT (dBm) WITH SNR

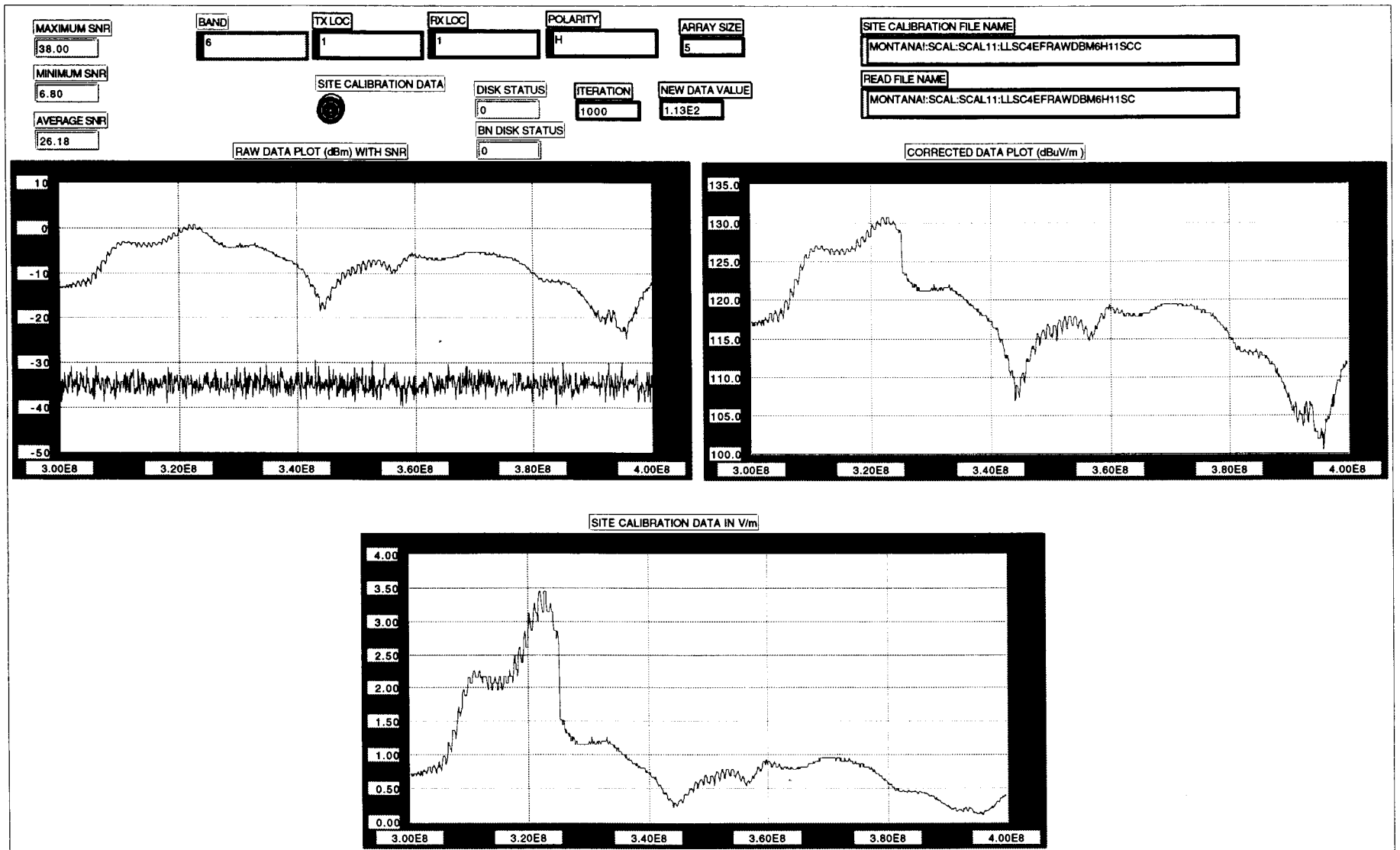


CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m





MAXIMUM SNR

47.60

MINIMUM SNR

23.20

AVERAGE SNR

36.35

BAND

7

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM7H11SCC

READ FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM7H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

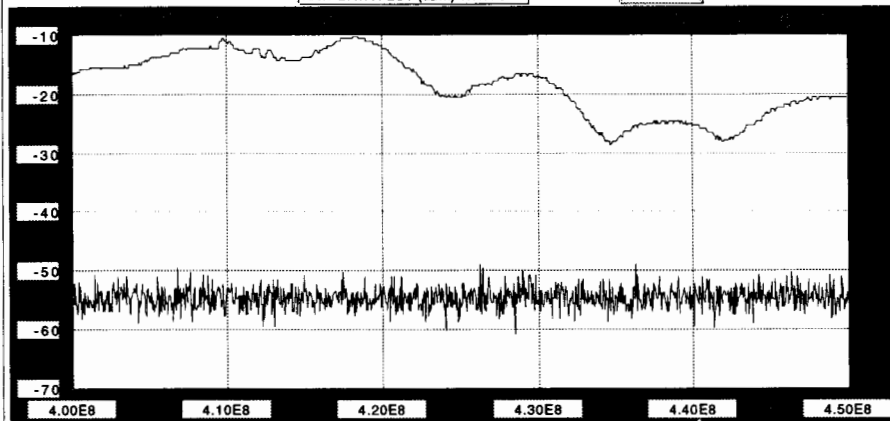
NEW DATA VALUE

1.05E2

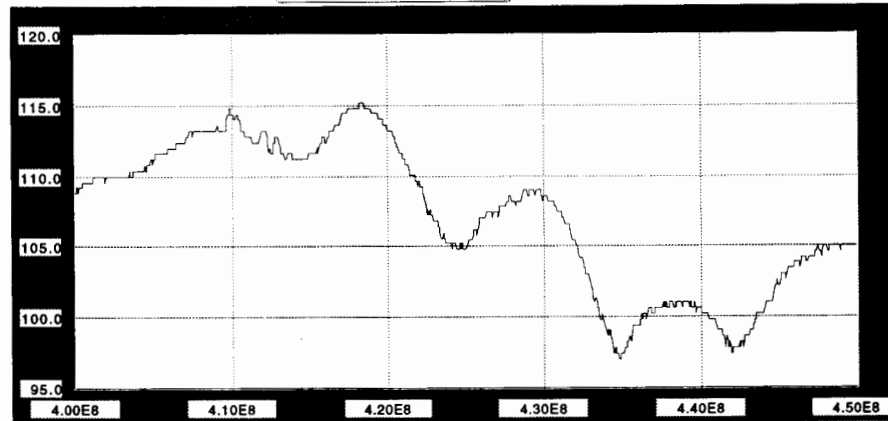
BN DISK STATUS

0

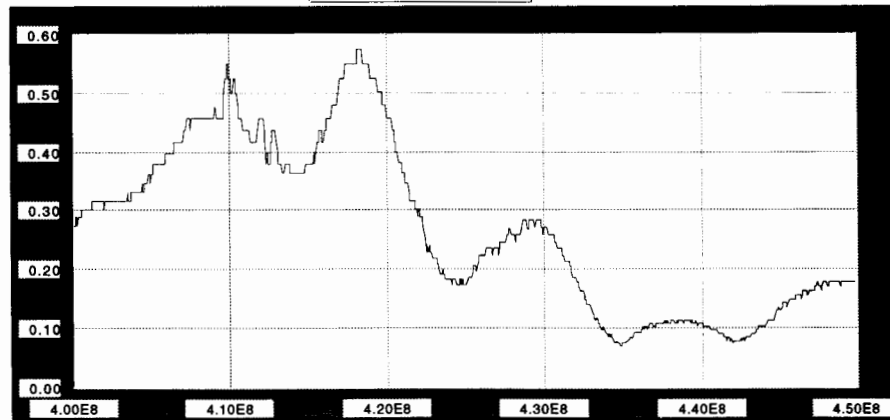
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

32.00

MINIMUM SNR

19.20

AVERAGE SNR

25.70

BAND

8

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM8H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM8H11SC

SITE CALIBRATION DATA

DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

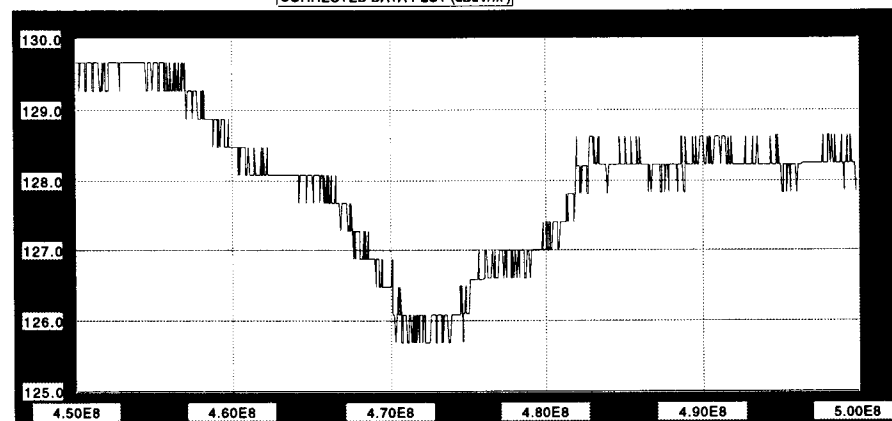
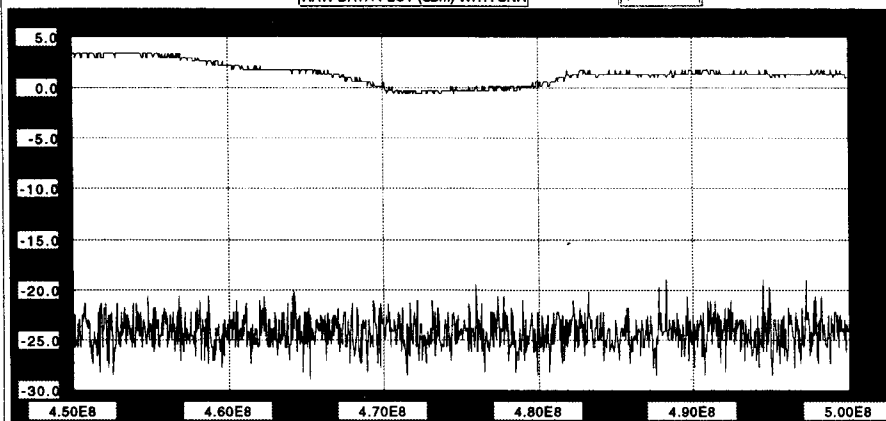
1.28E2

BN DISK STATUS

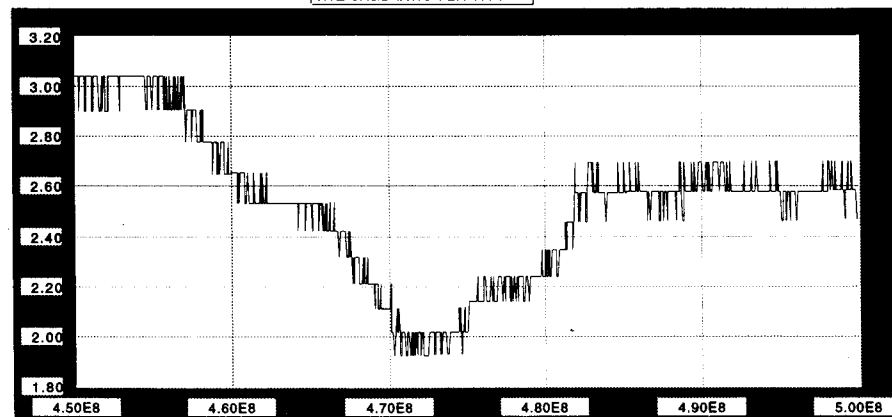
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

36.00

MINIMUM SNR

2.00

AVERAGE SNR

26.01

BAND

9

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

21

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM9H11SCC

READ FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM9H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

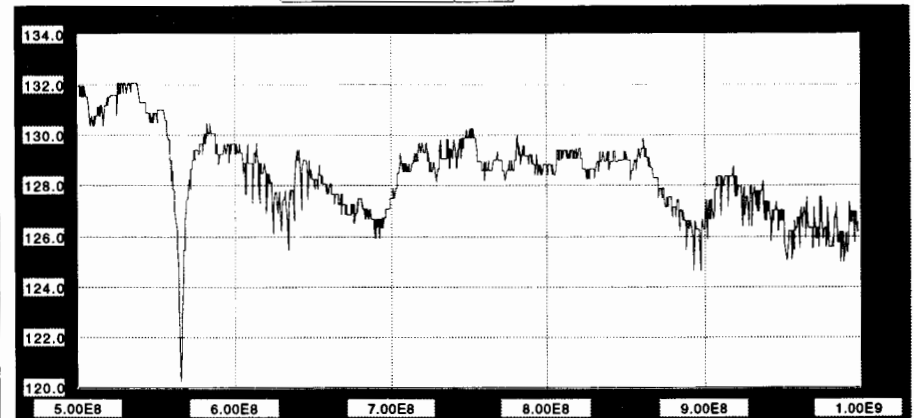
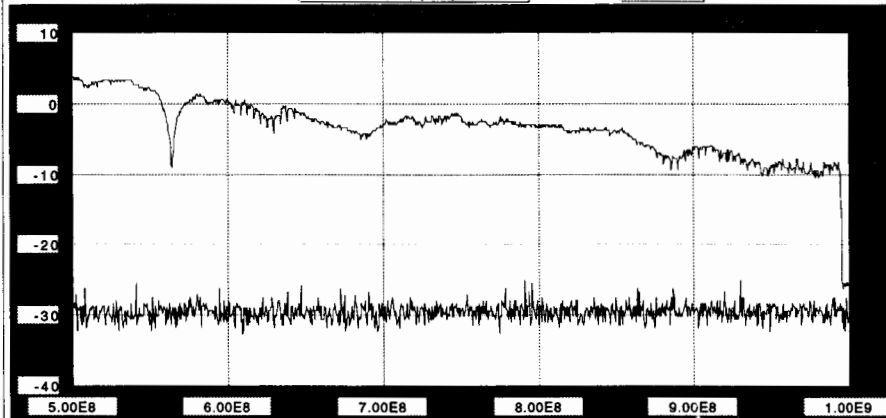
1.10E2

BN DISK STATUS

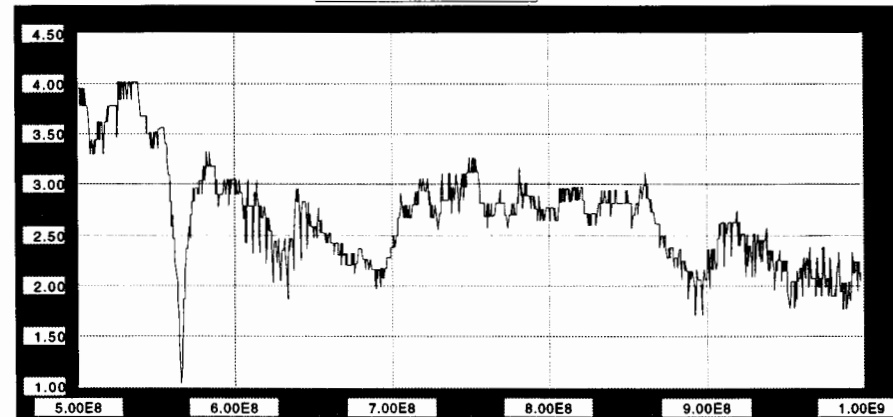
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

39.20

MINIMUM SNR

0.40

AVERAGE SNR

27.30

BAND

10

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

9

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM10H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM10H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

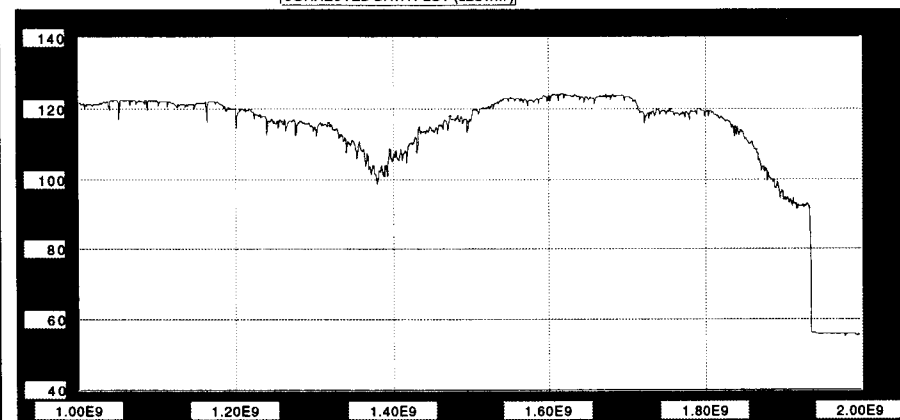
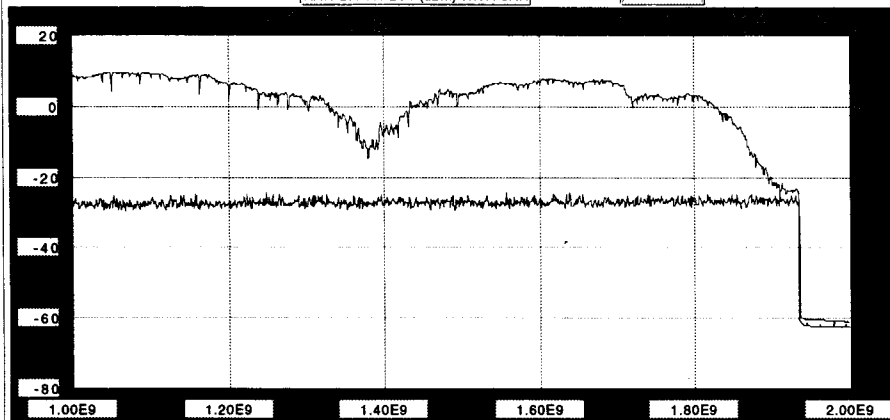
5.53E1

BN DISK STATUS

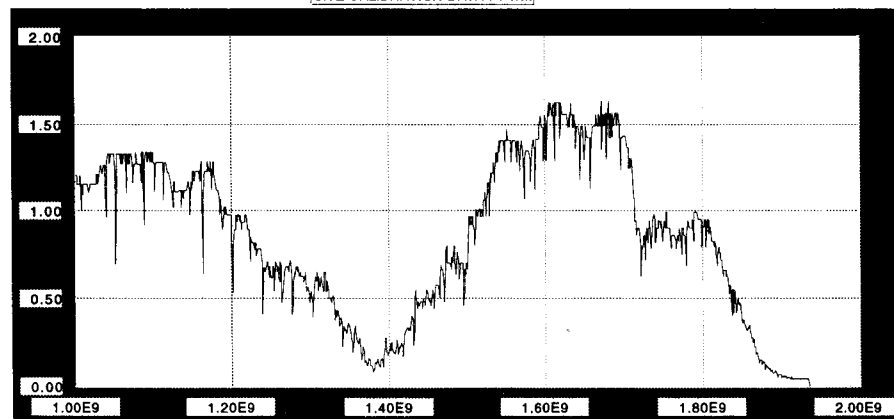
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

56.40

MINIMUM SNR

0.00

AVERAGE SNR

41.44

BAND

11

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

6

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM11H11SCC

READ FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM11H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

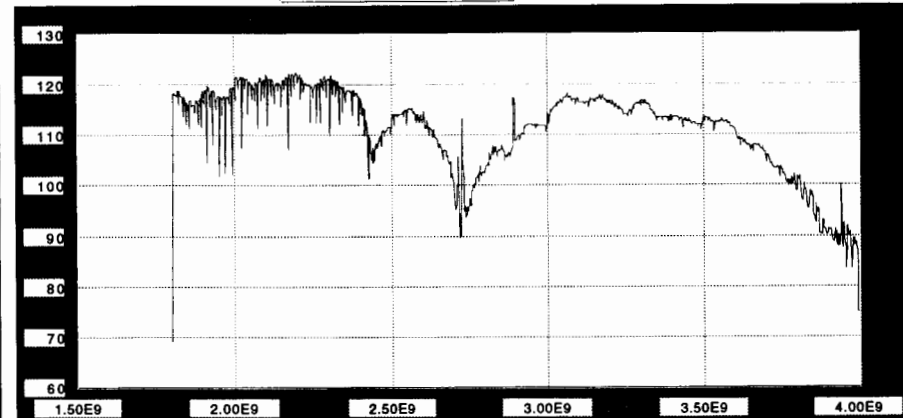
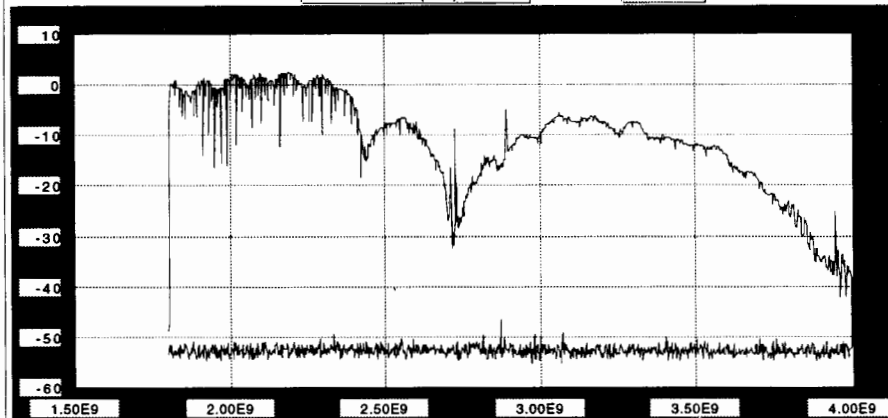
7.50E1

BN DISK STATUS

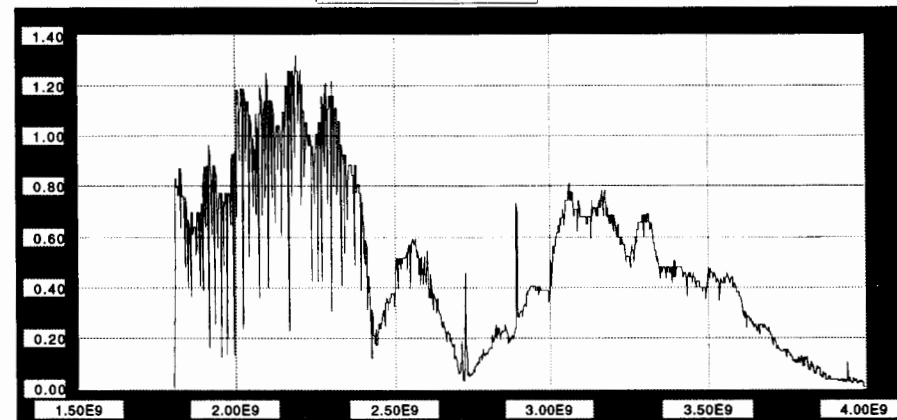
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

11.60

MINIMUM SNR

0.00

AVERAGE SNR

1.68

BAND

12

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM12H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM12H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

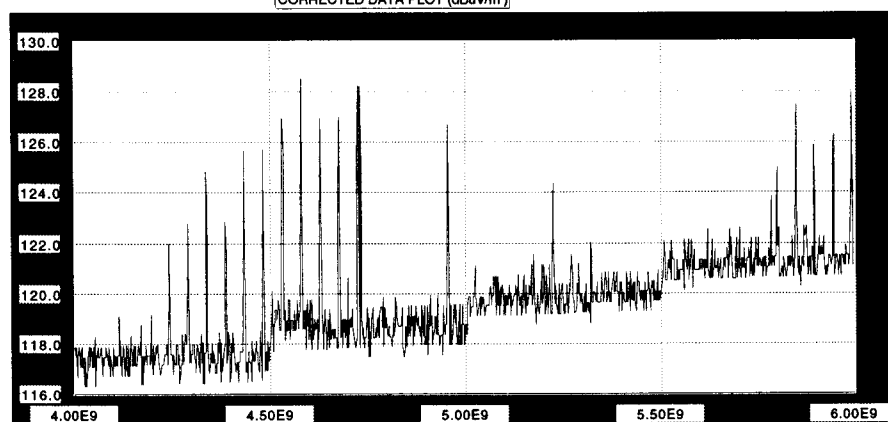
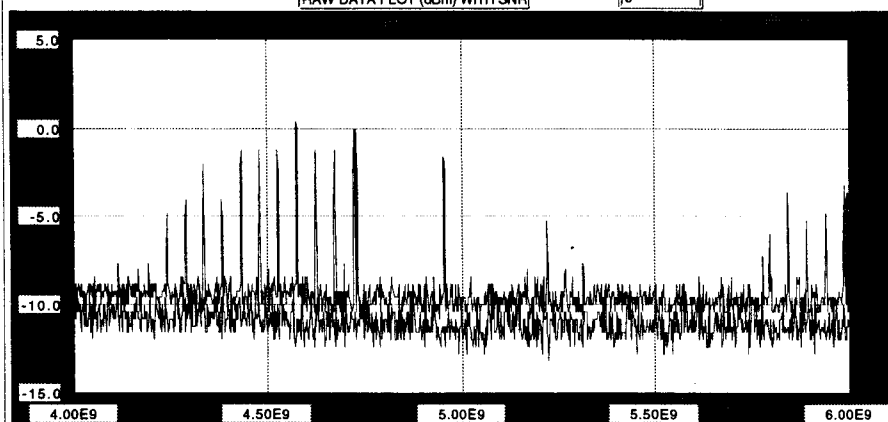
1.21E2

BN DISK STATUS

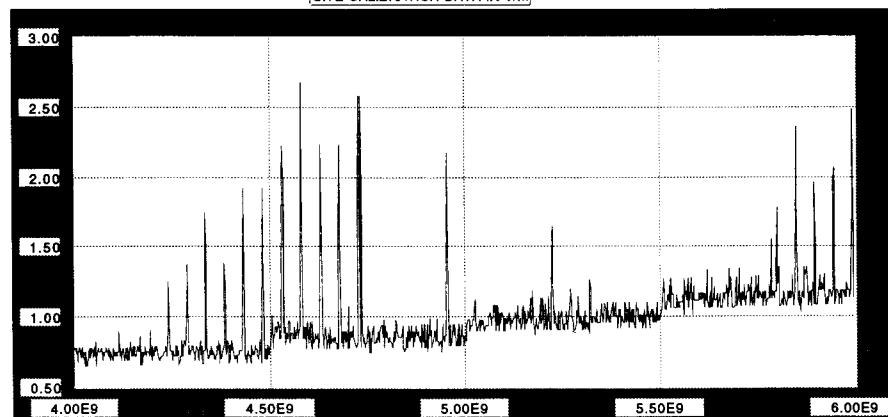
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

22.80

MINIMUM SNR

0.40

AVERAGE SNR

8.79

BAND

13

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM13H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM13H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

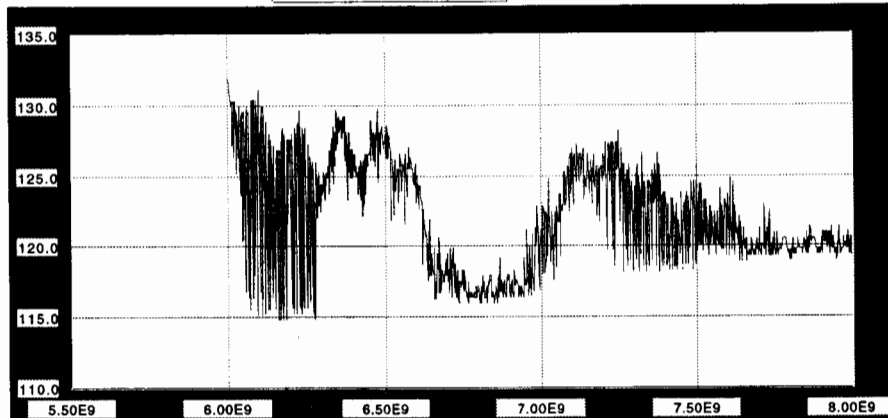
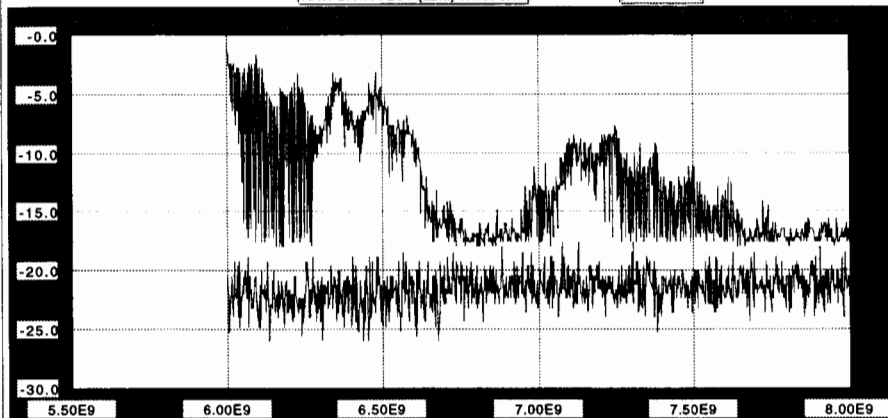
1.19E2

BN DISK STATUS

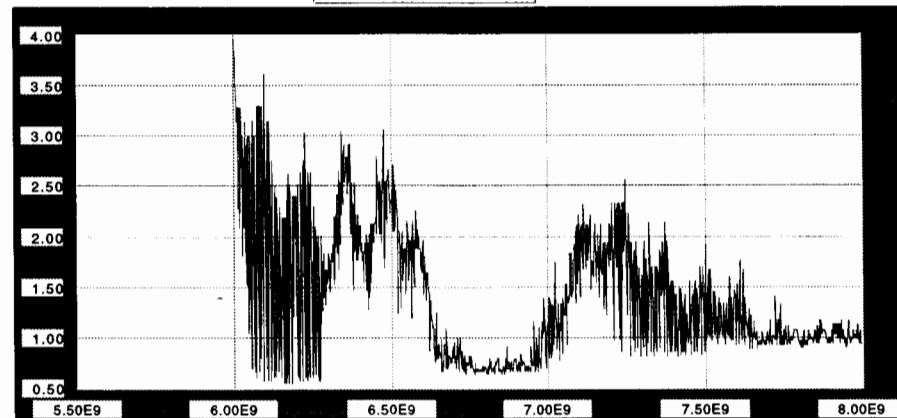
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

47.20

MINIMUM SNR

9.60

AVERAGE SNR

23.18

BAND

14

TX LOC

1

RX LOC

1

POLARITY

H

ARRAY SIZE

12

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM14H11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM14H11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

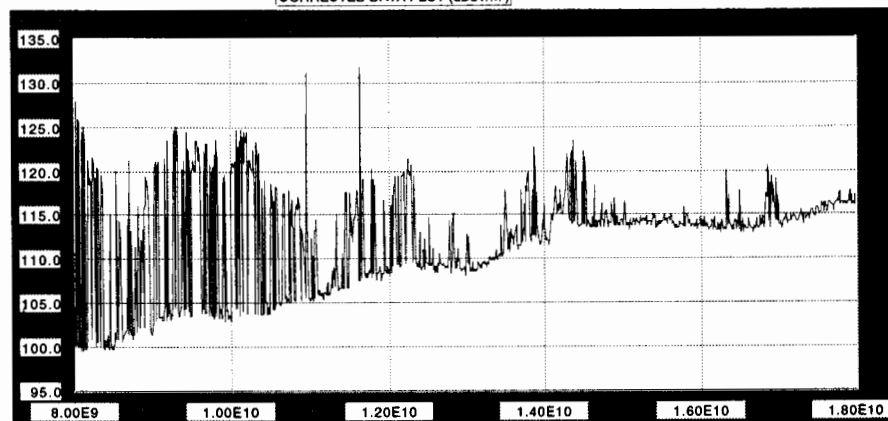
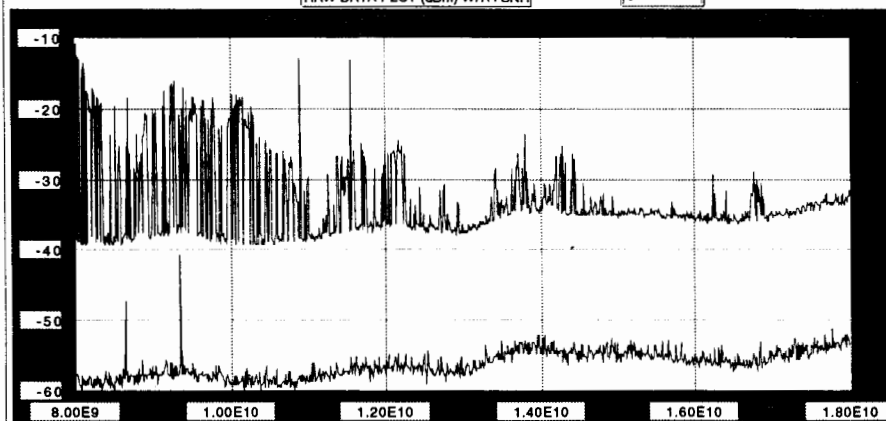
1.18E2

BN DISK STATUS

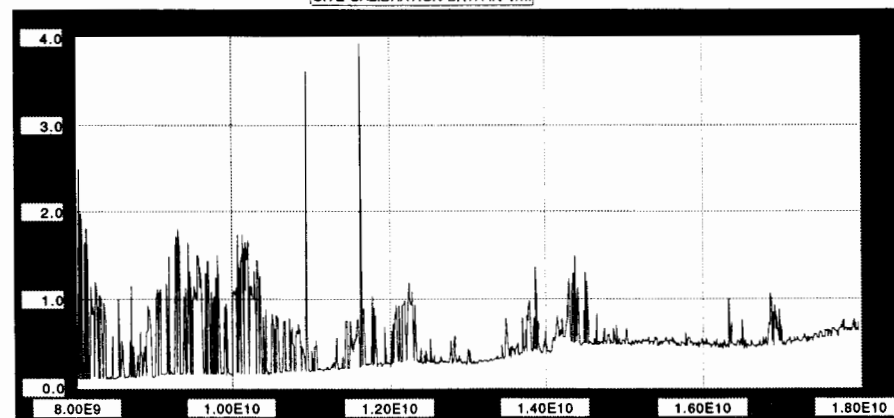
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

25.60

MINIMUM SNR

2.40

AVERAGE SNR

15.57

BAND

5

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

26

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM5V11SCC

READ FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM5V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

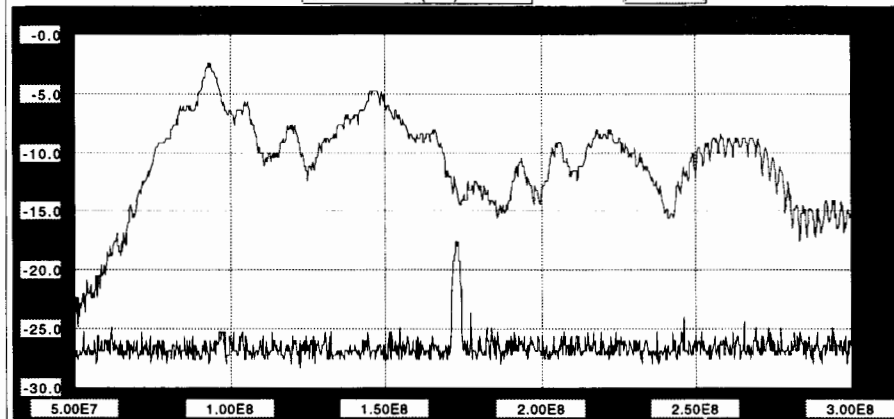
NEW DATA VALUE

1.34E2

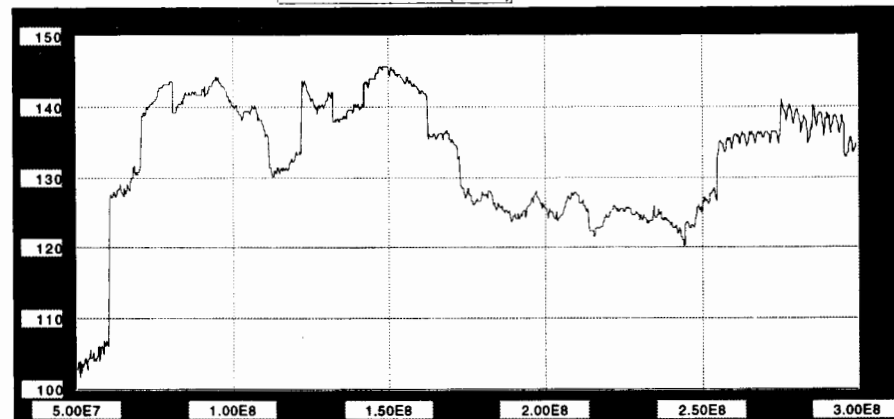
BN DISK STATUS

0

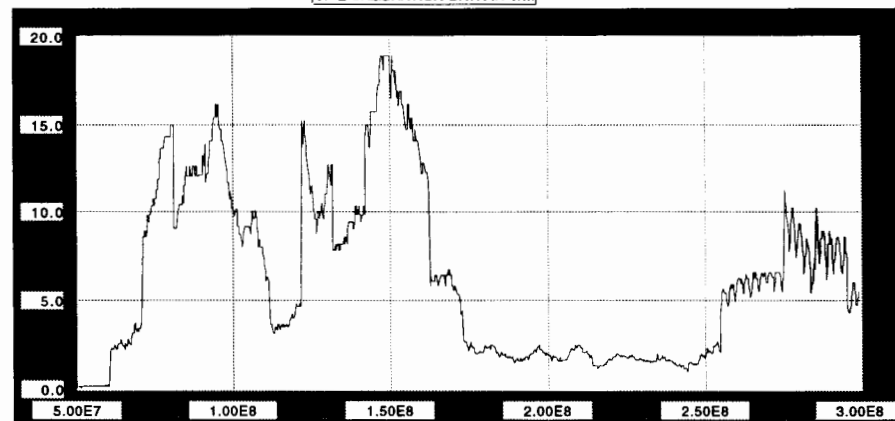
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

11.20

MINIMUM SNR

0.00

AVERAGE SNR

3.14

BAND

6

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM6V11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM6V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

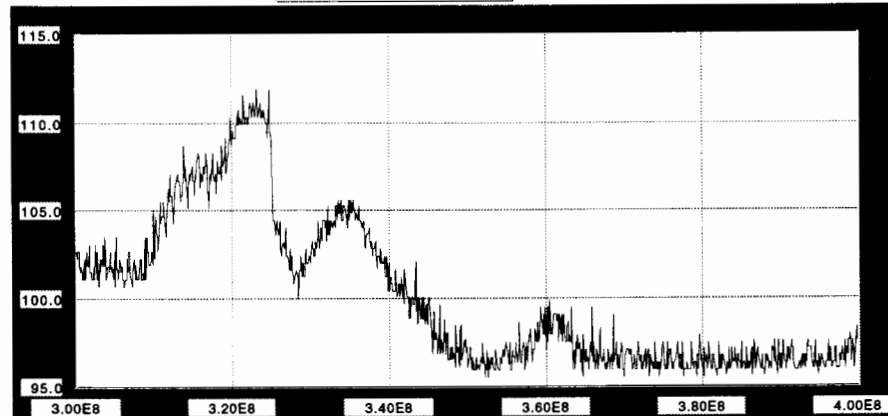
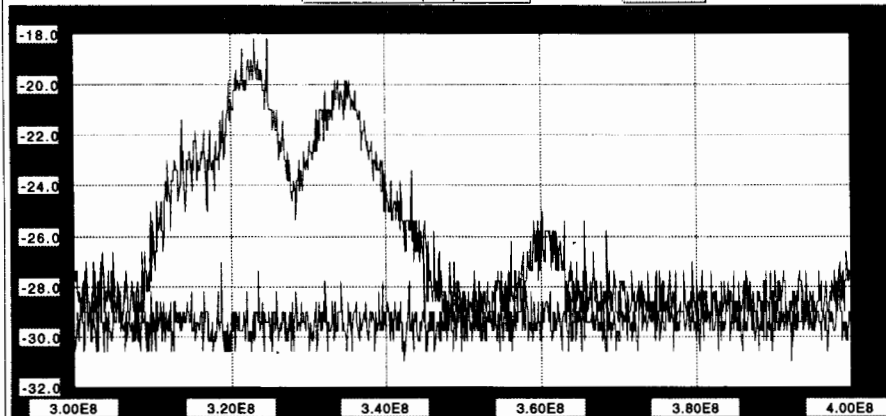
9.76E1

BN DISK STATUS

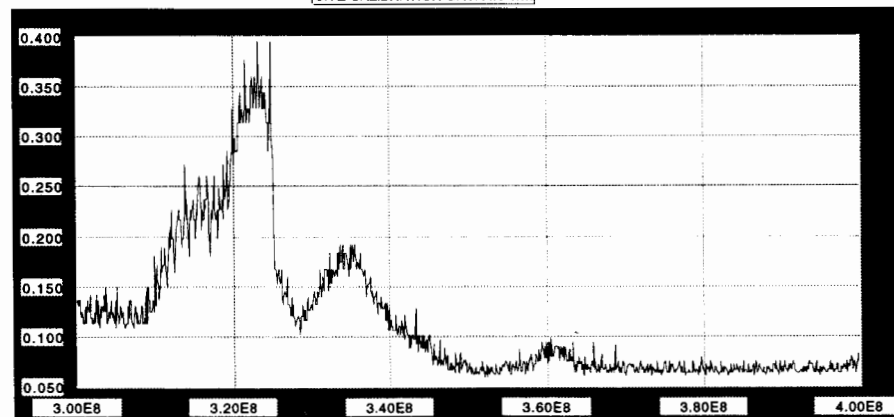
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

32.00

MINIMUM SNR

12.40

AVERAGE SNR

22.47

BAND

7

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM7V11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM7V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

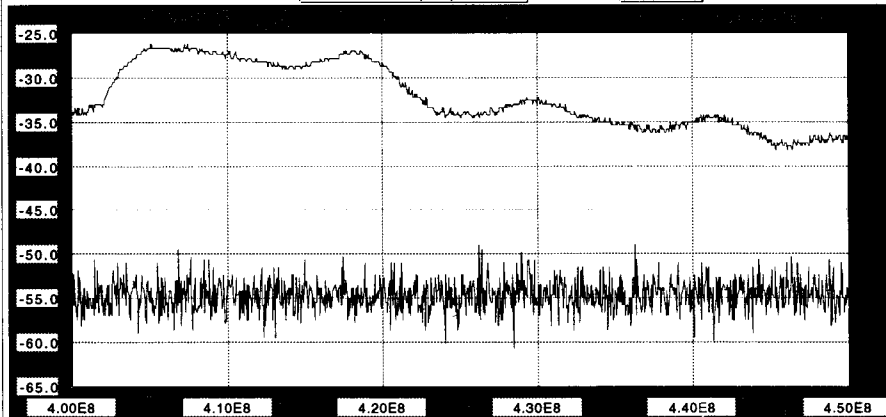
NEW DATA VALUE

8.91E1

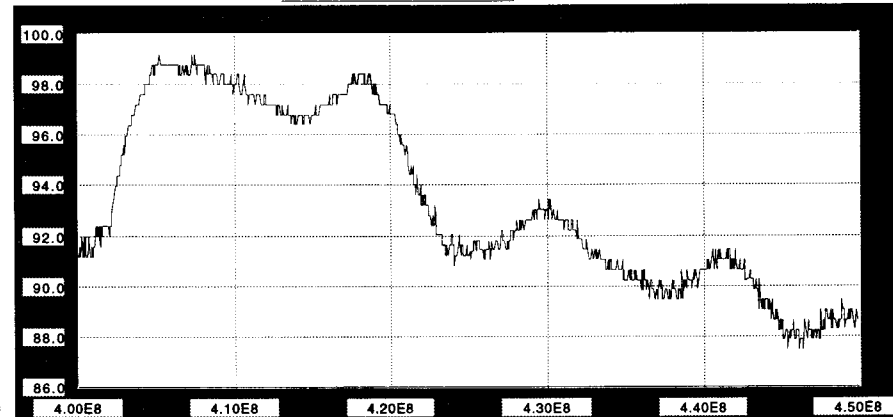
BN DISK STATUS

0

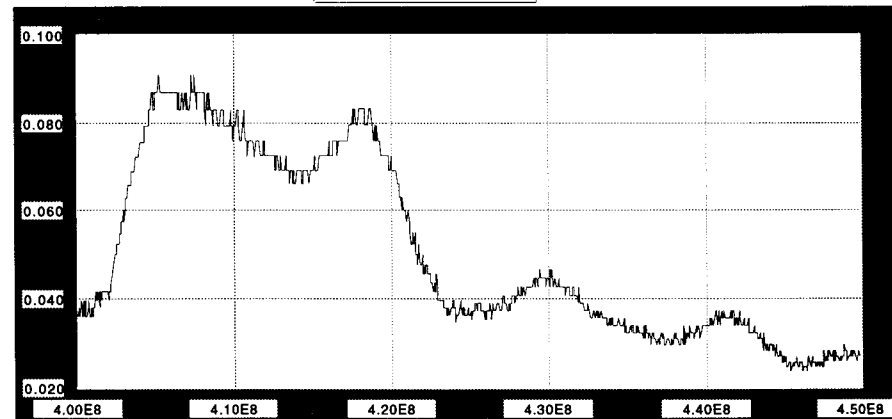
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

3.60

MINIMUM SNR

0.00

AVERAGE SNR

1.06

BAND

8

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM8V11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM8V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

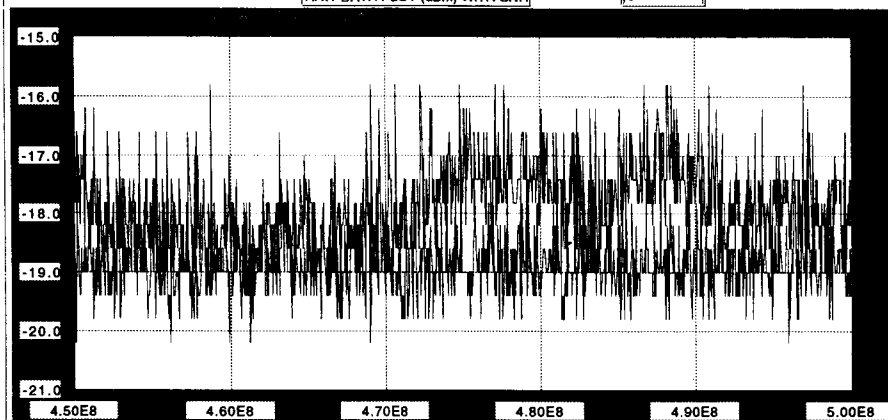
NEW DATA VALUE

1.09E2

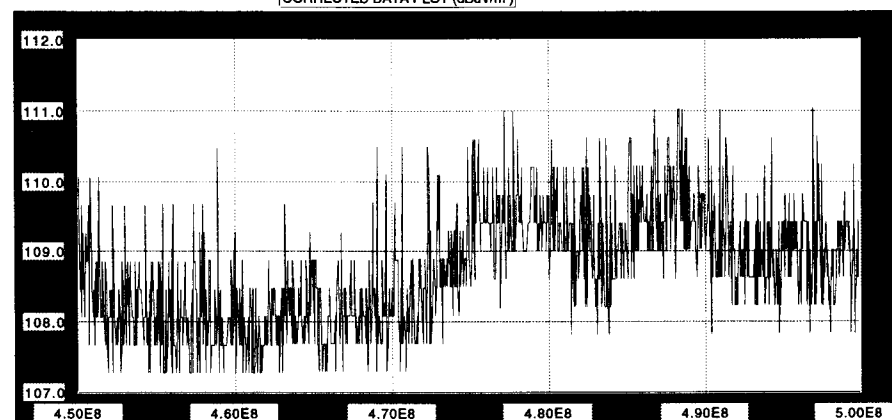
BN DISK STATUS

0

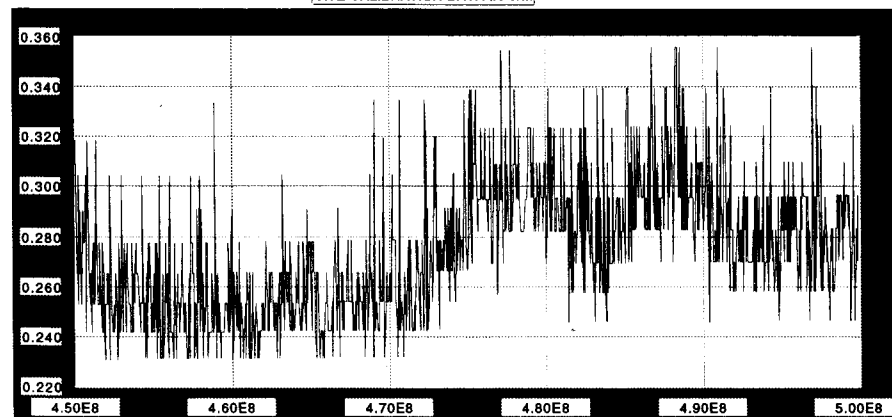
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

8.40

MINIMUM SNR

0.00

AVERAGE SNR

2.18

BAND

9

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

21

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM9V11SCC

READ FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM9V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

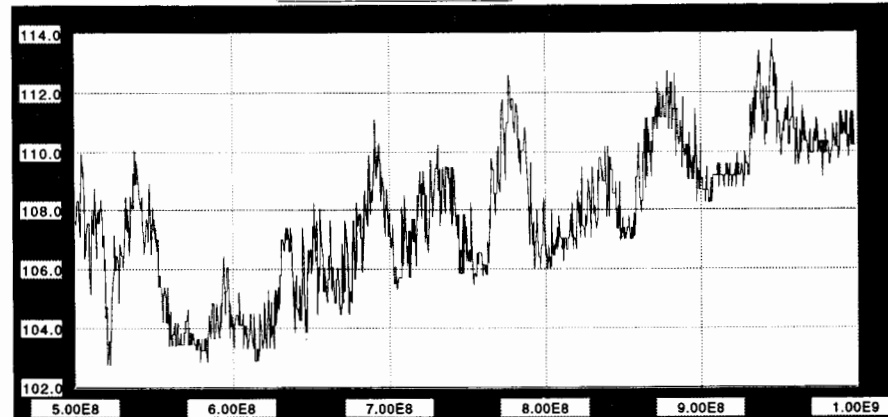
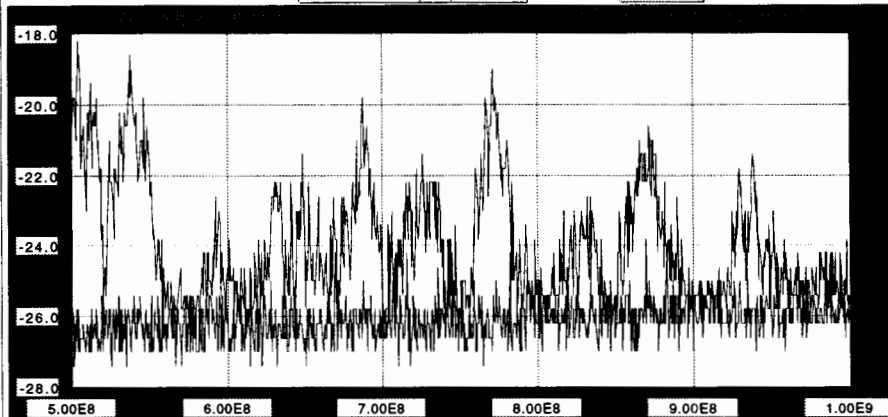
1.10E2

BN DISK STATUS

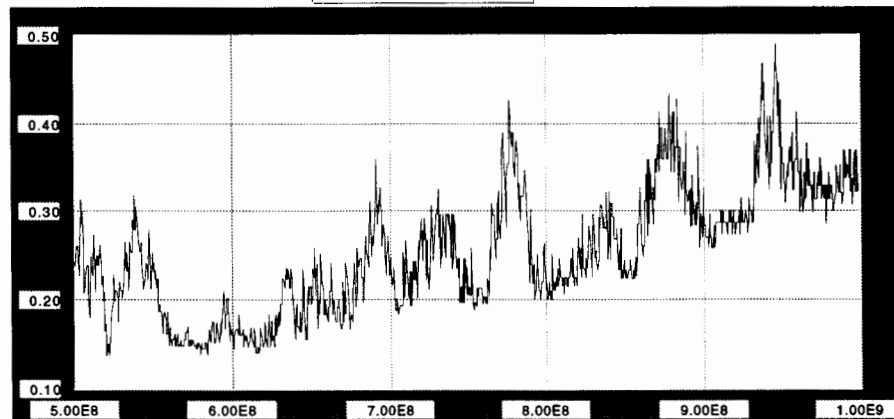
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

48.80

MINIMUM SNR

-12.40

AVERAGE SNR

29.88

BAND

10

TX LOC

1

FX LOC

1

POLARITY

V

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM10V11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM10V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

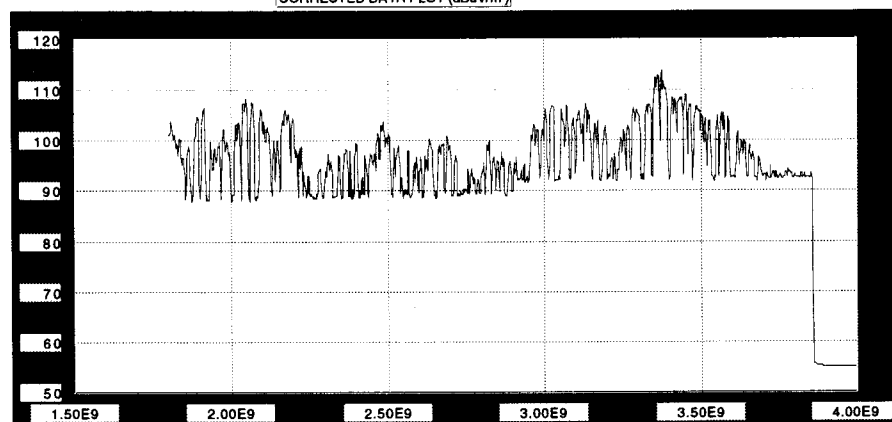
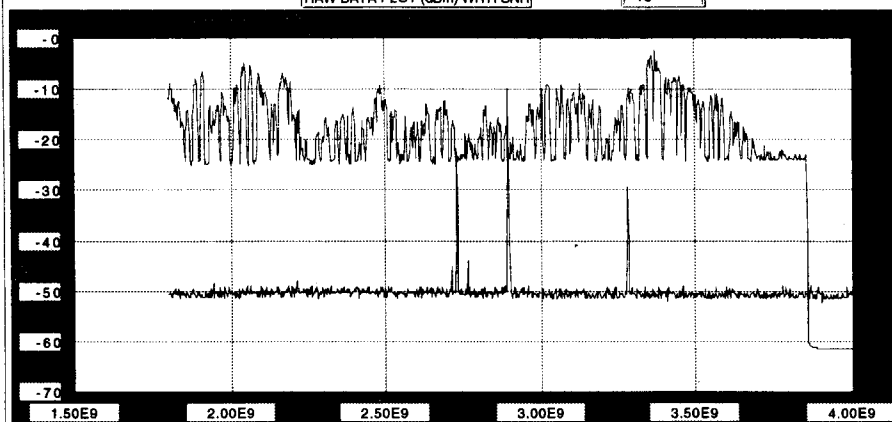
5.49E1

BN DISK STATUS

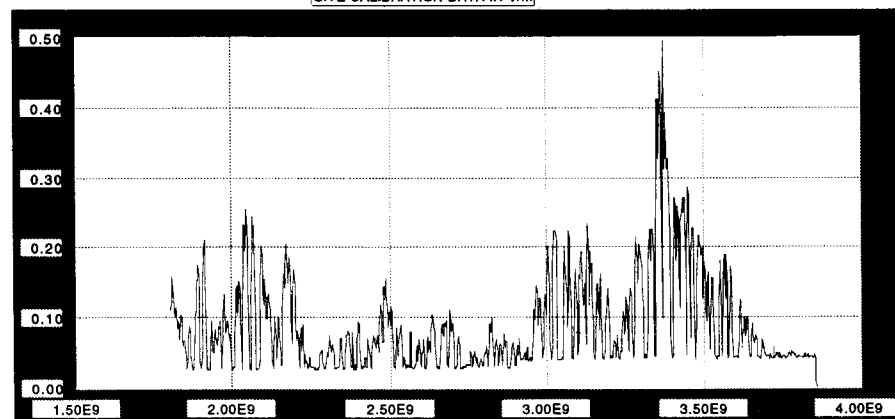
-43

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

35.20

MINIMUM SNR

0.00

AVERAGE SNR

10.81

BAND

11

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

6

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM11V11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM11V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

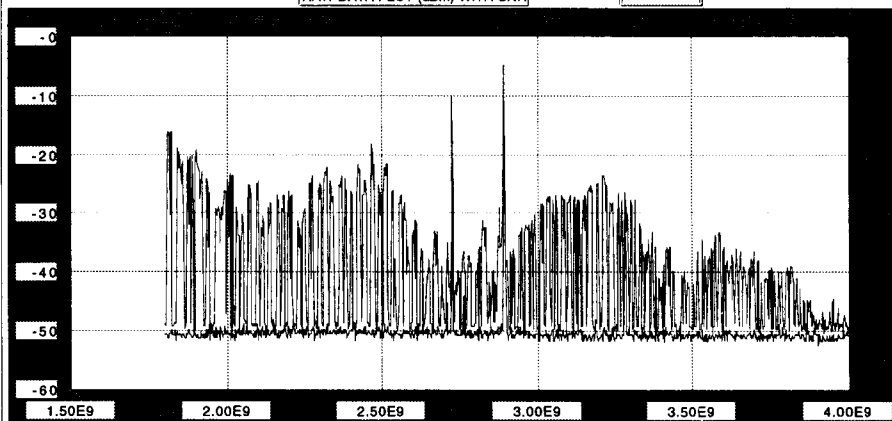
NEW DATA VALUE

7.54E1

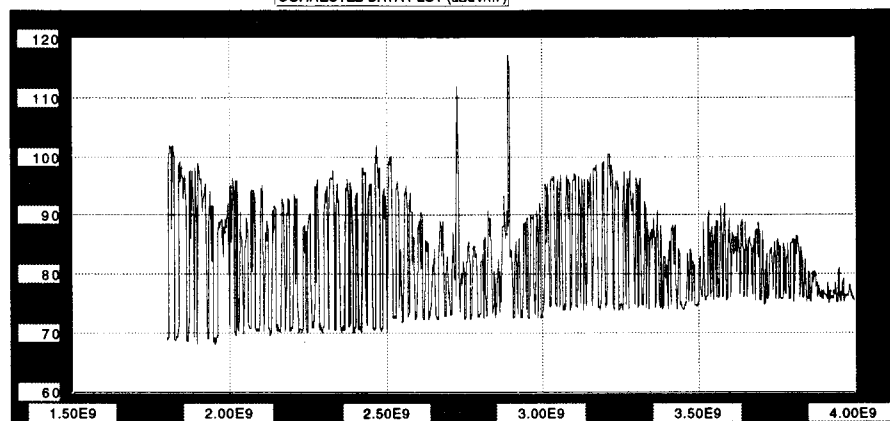
BN DISK STATUS

0

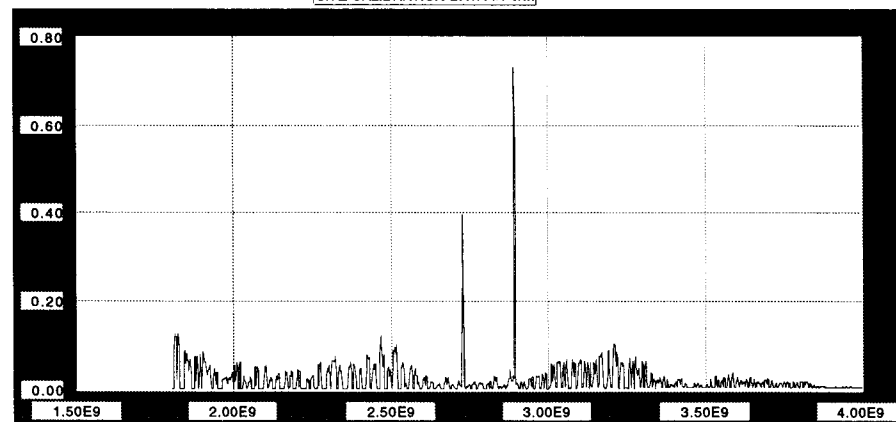
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

5.20

MINIMUM SNR

0.00

AVERAGE SNR

2.21

BAND

12

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM12V11SCC

READ FILE NAME

MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM12V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

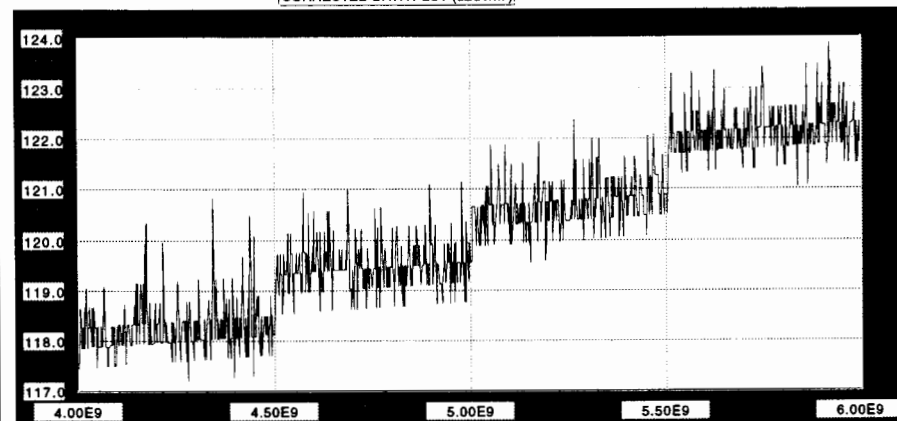
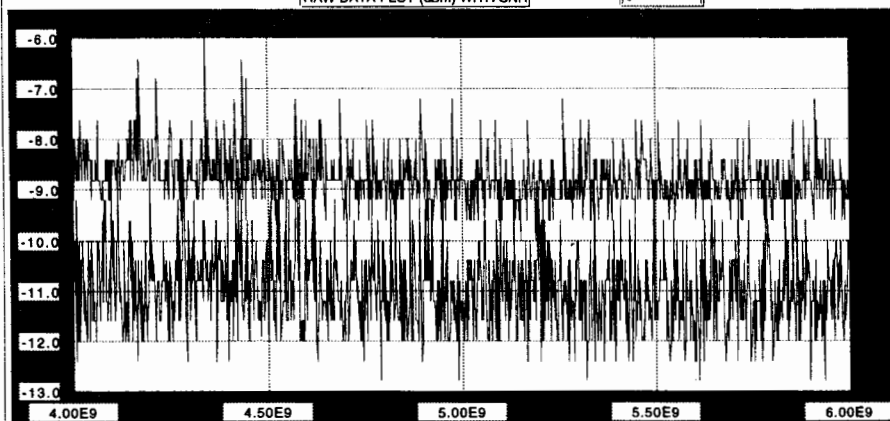
1.22E2

BN DISK STATUS

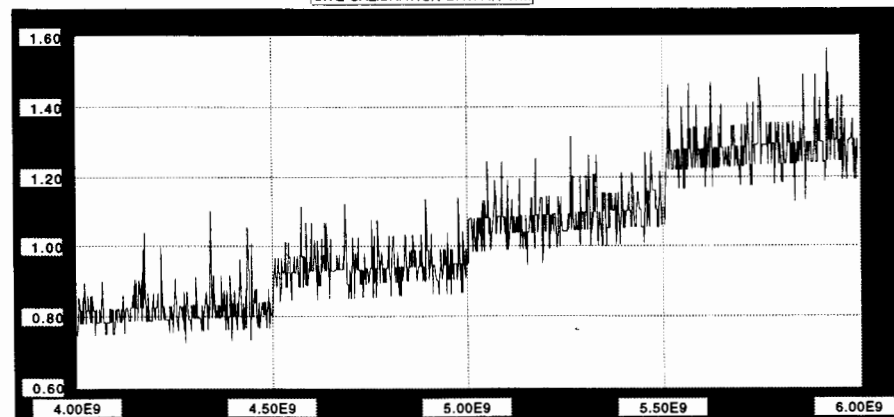
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

12.40

MINIMUM SNR

0.40

AVERAGE SNR

4.93

BAND

13

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM13V11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM13V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

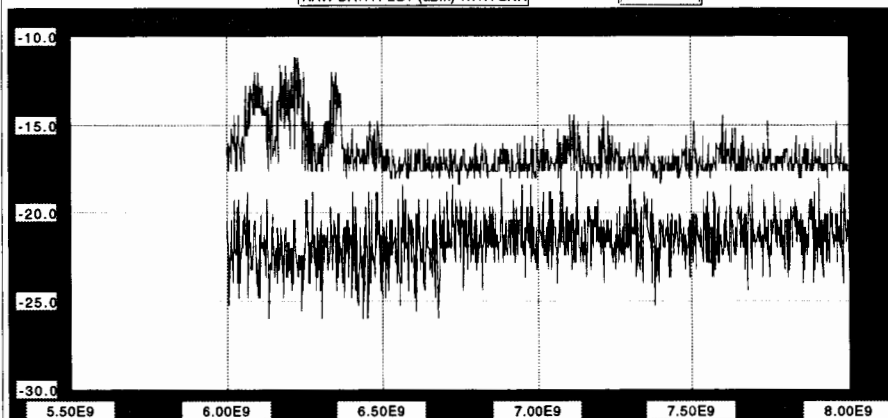
NEW DATA VALUE

1.19E2

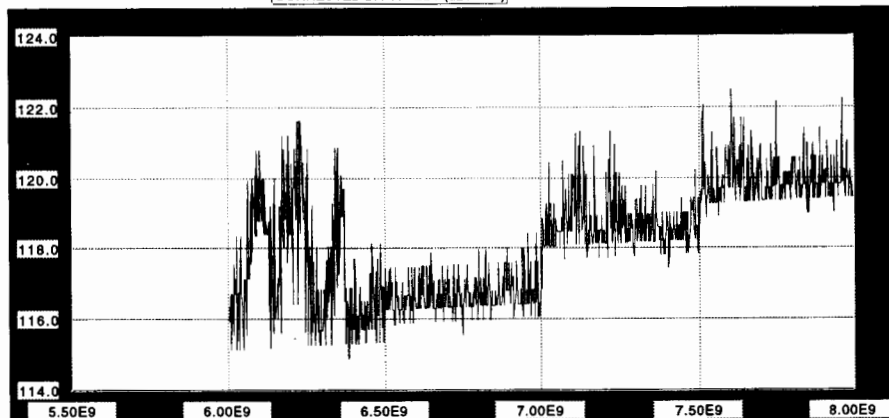
BN DISK STATUS

0

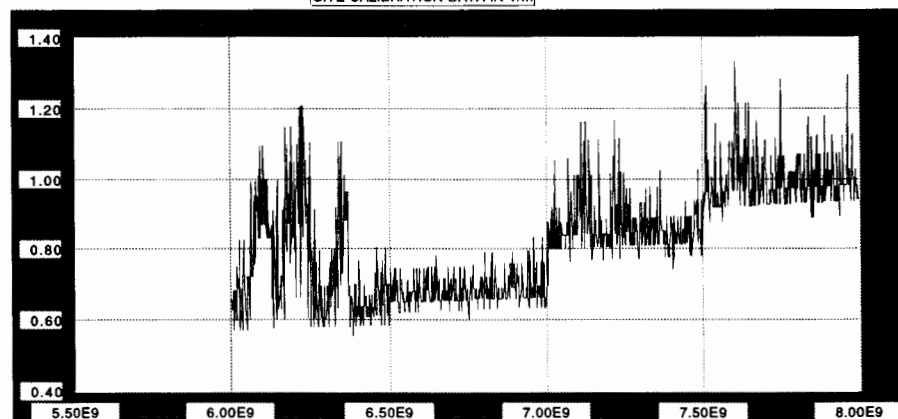
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



MAXIMUM SNR

38.00

MINIMUM SNR

0.00

AVERAGE SNR

11.60

BAND

14

TX LOC

1

RX LOC

1

POLARITY

V

ARRAY SIZE

12

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM14V11SCC

READ FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM14V11SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

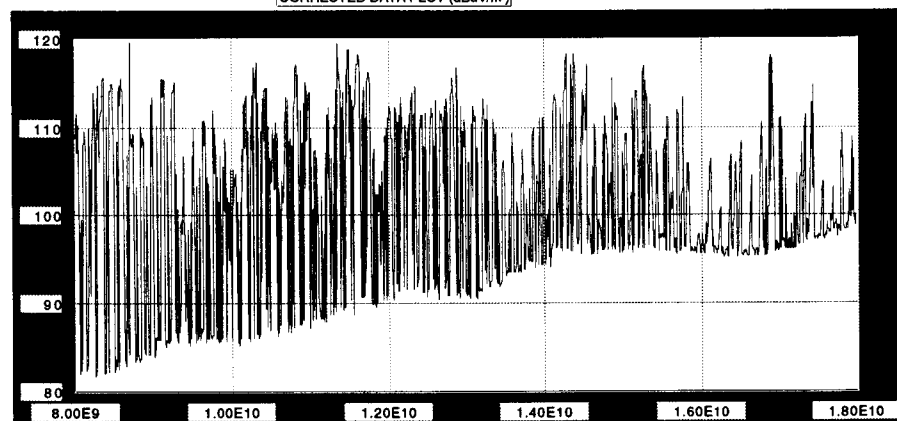
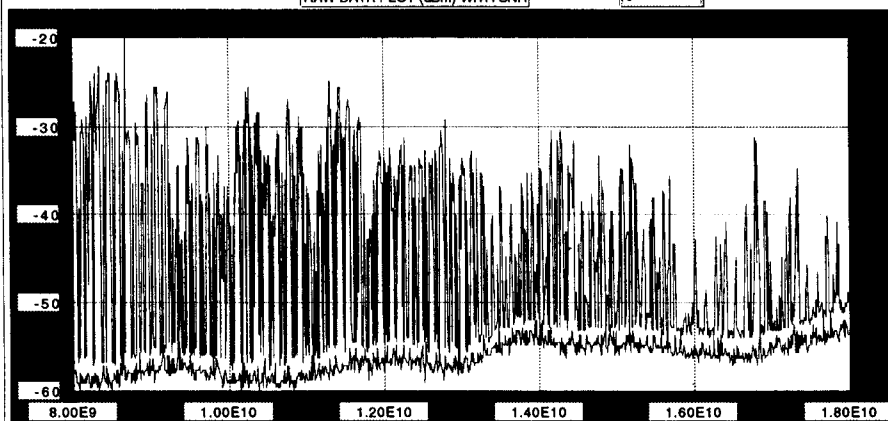
1.01E2

BN DISK STATUS

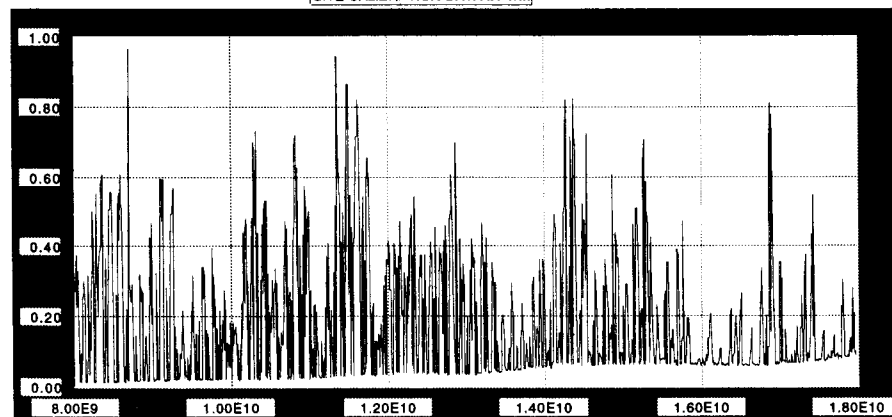
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m)



SITE CALIBRATION DATA IN V/m



SECTION 1-2
SCAL SET TWO DATA PLOTS

MAXIMUM SNR

16.80

MINIMUM SNR

0.00

AVERAGE SNR

9.30

BAND

1

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

6

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM1H21SCC

READ FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM1H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

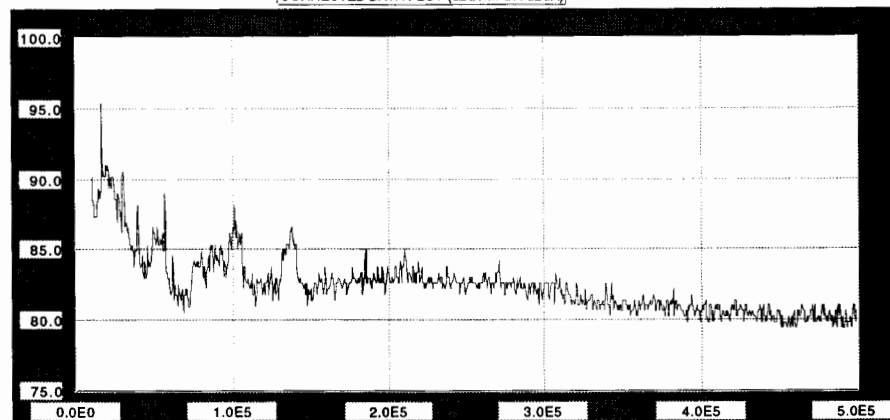
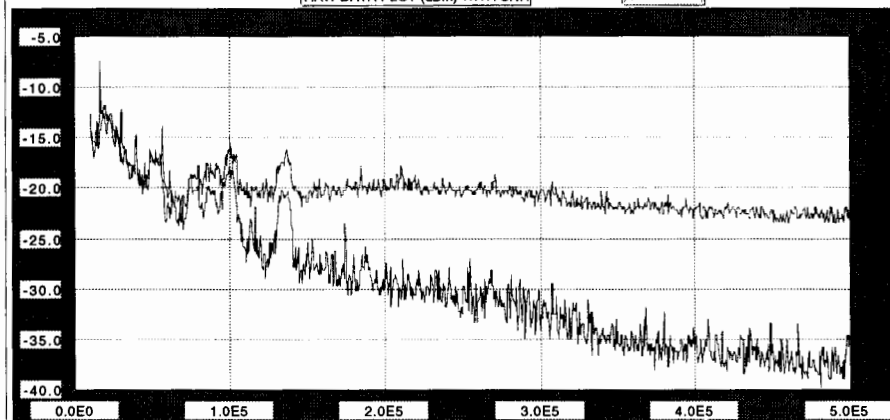
8.06E1

BN DISK STATUS

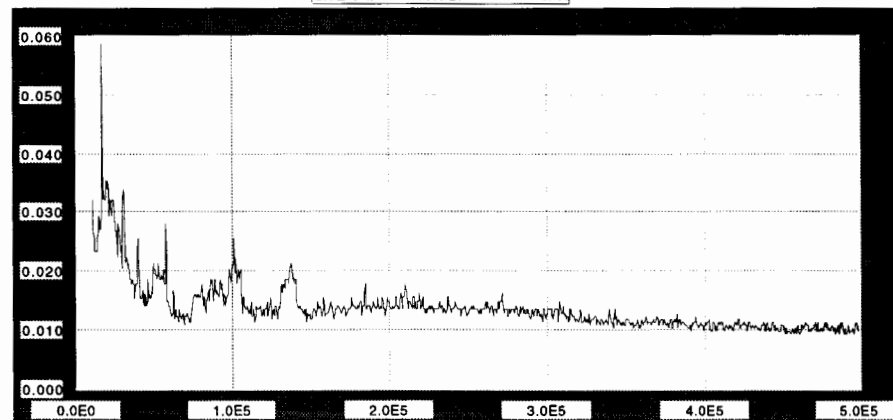
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR
27.20
MINIMUM SNR
0.00
AVERAGE SNR
14.07

BAND
2
TX LOC
2
RX LOC
1
POLARITY
H
ARRAY SIZE
3

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM2H21SCC

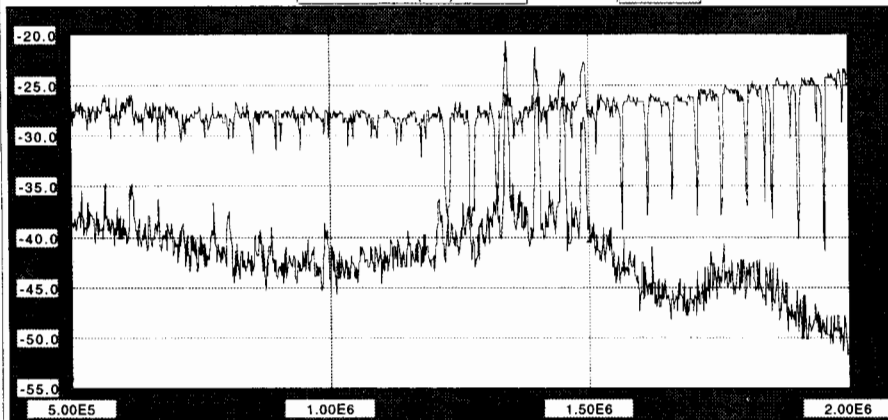
READ FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM2H21SC

SITE CALIBRATION DATA

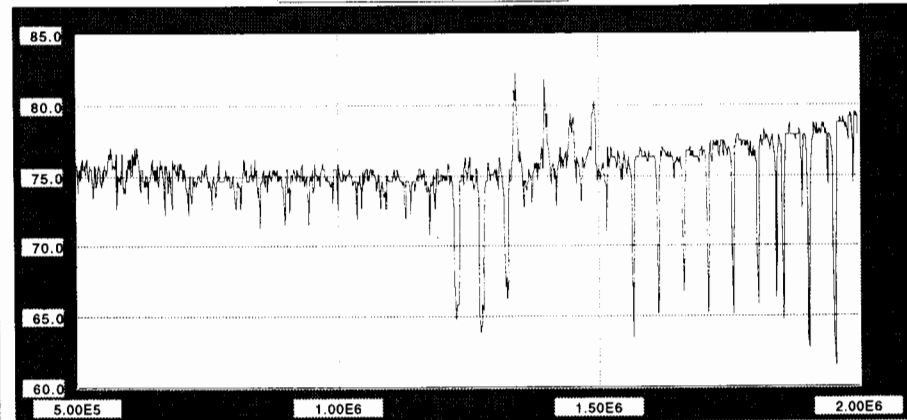


DISK STATUS
0
BN DISK STATUS
0
ITERATION
1000
NEW DATA VALUE
7.79E1

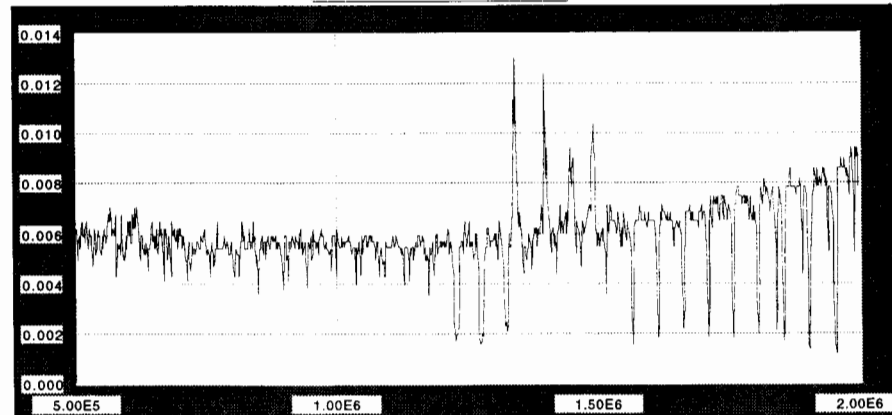
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

39.20

MINIMUM SNR

8.80

AVERAGE SNR

25.10

BAND

3

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

4

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

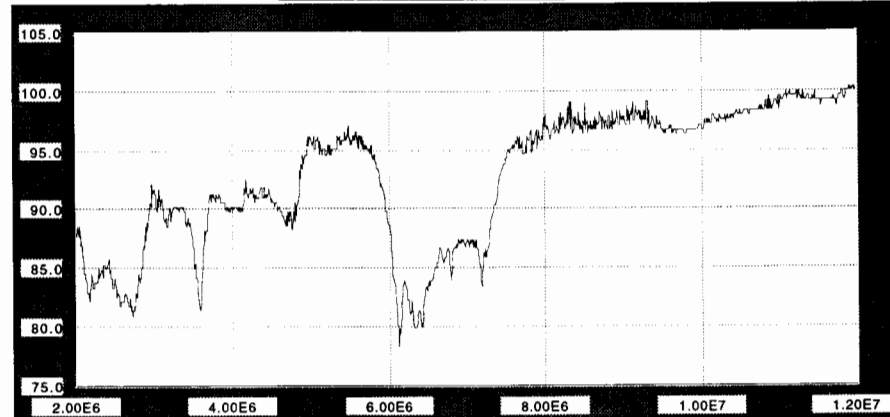
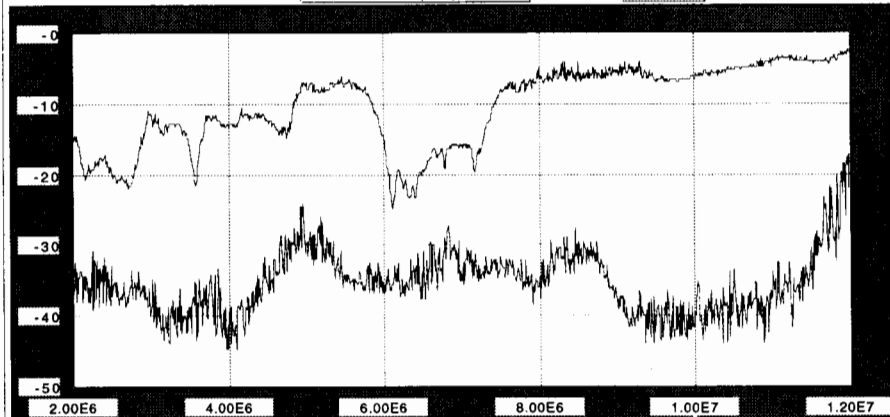
1.00E2

BN DISK STATUS

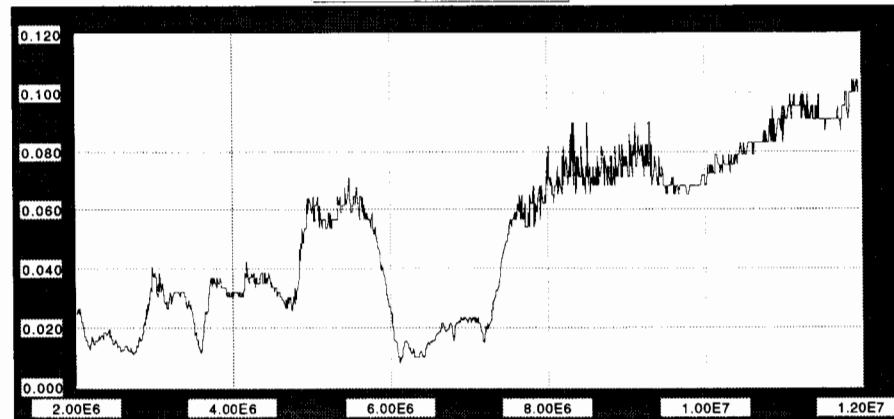
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

46.00

MINIMUM SNR

0.00

AVERAGE SNR

28.84

BAND

4

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM4H21SCC

READ FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM4H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

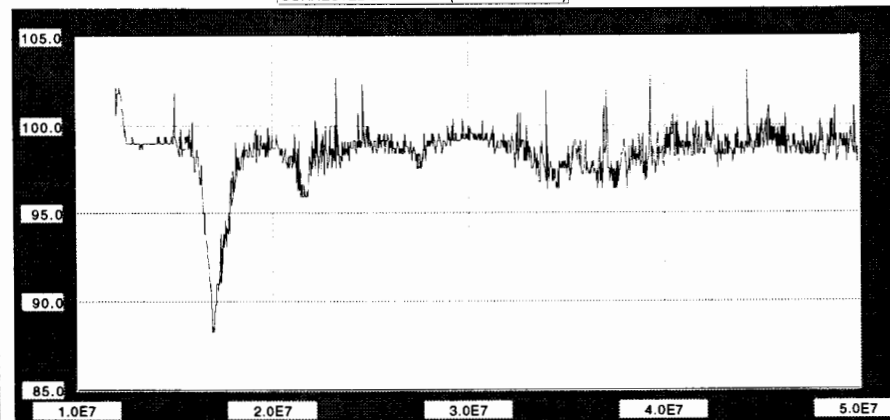
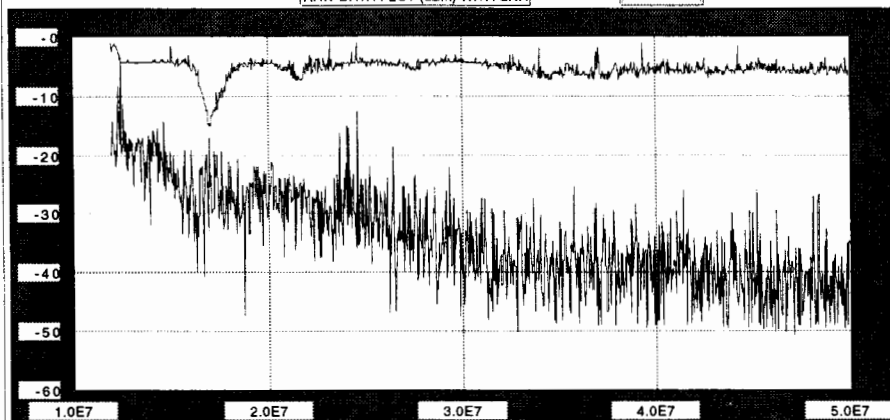
9.79E1

BN DISK STATUS

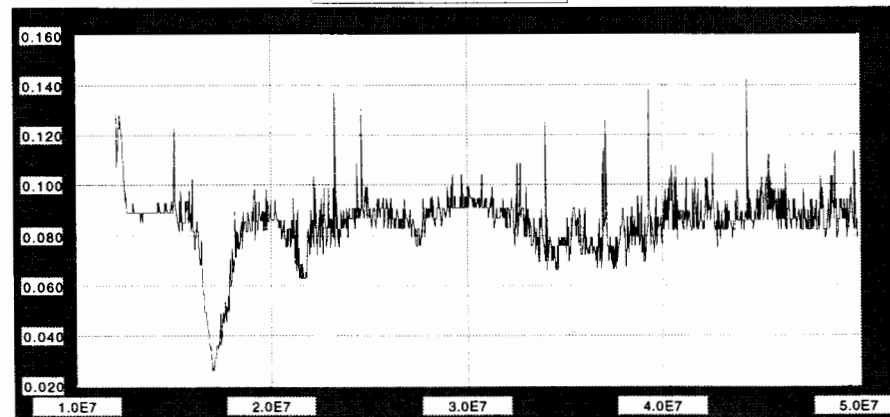
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

28.40

MINIMUM SNR

6.40

AVERAGE SNR

19.67

BAND

5

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

26

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM5H21SCC

READ FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM5H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

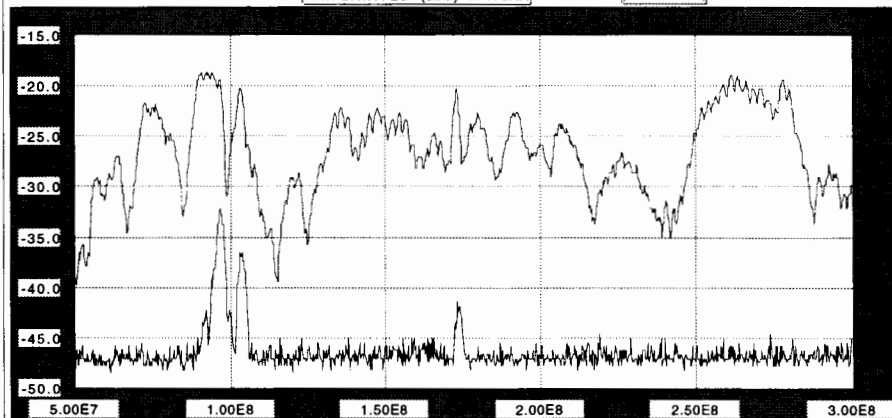
NEW DATA VALUE

1.20E2

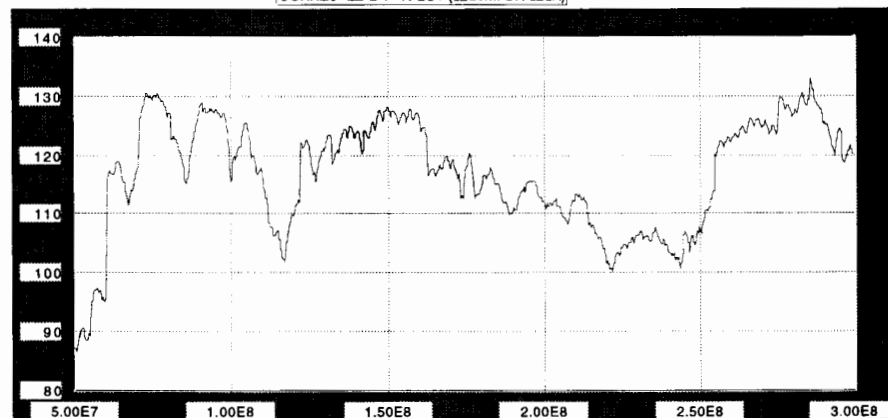
BN DISK STATUS

0

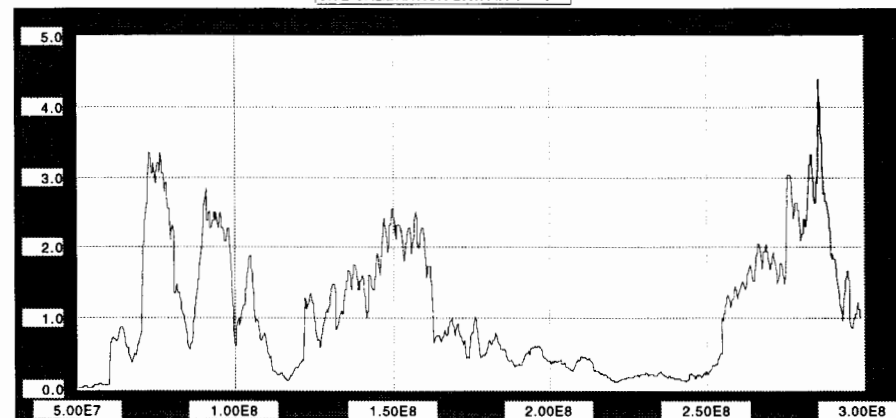
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR
45.60
MINIMUM SNR
19.20
AVERAGE SNR
38.56

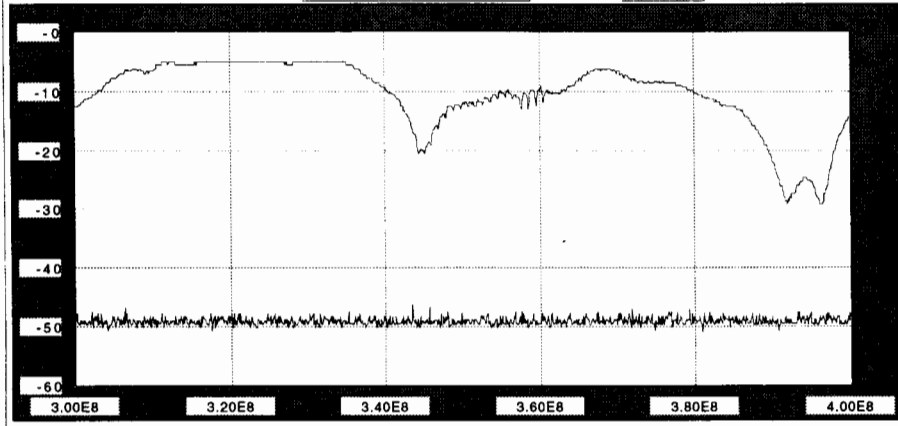
BAND 6 TX LOC 2 RX LOC 1 POLARITY H ARRAY SIZE 5

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM6H21SCC

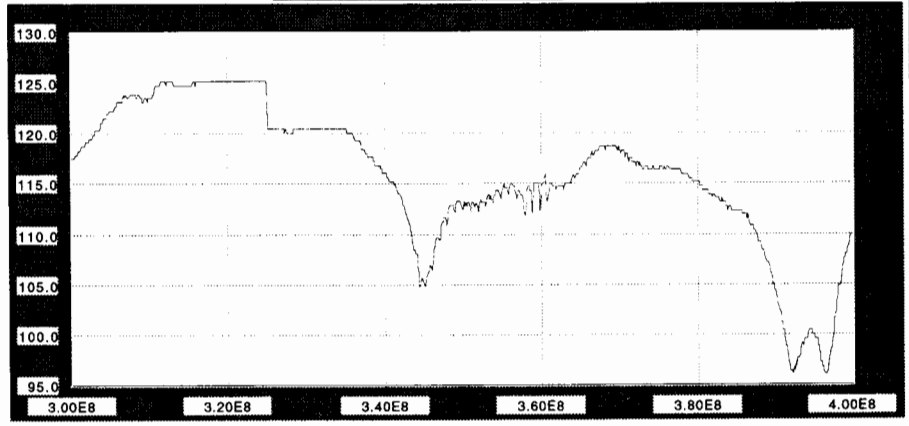
SITE CALIBRATION DATA
DISK STATUS 0 ITERATION 1000 NEW DATA VALUE 1.11E2
BN DISK STATUS 0

READ FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM6H21SC

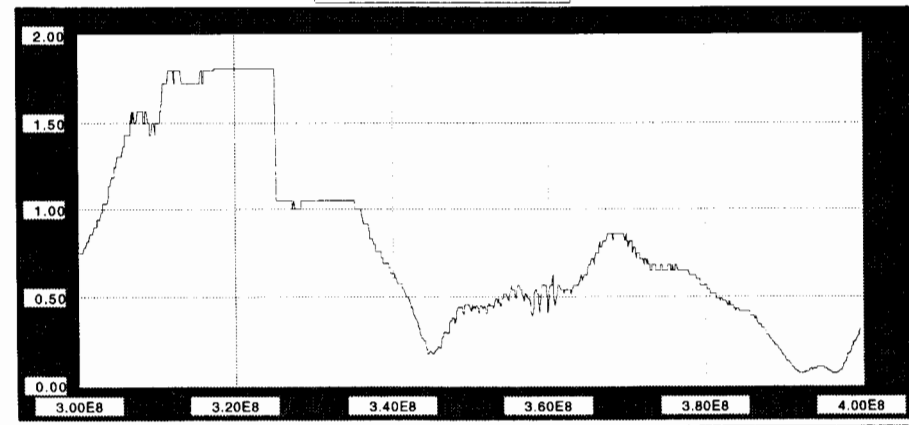
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR:

41.20

MINIMUM SNR:

19.60

AVERAGE SNR:

31.19

BAND

7

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM7H21SCC

READ FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM7H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

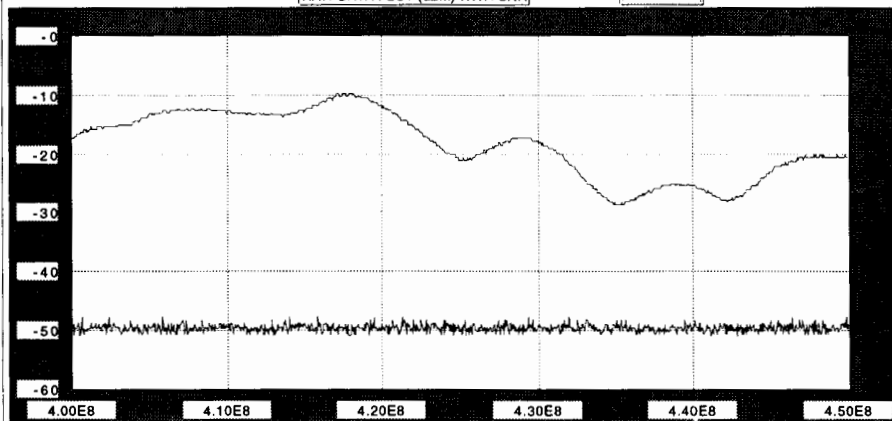
NEW DATA VALUE

1.05E2

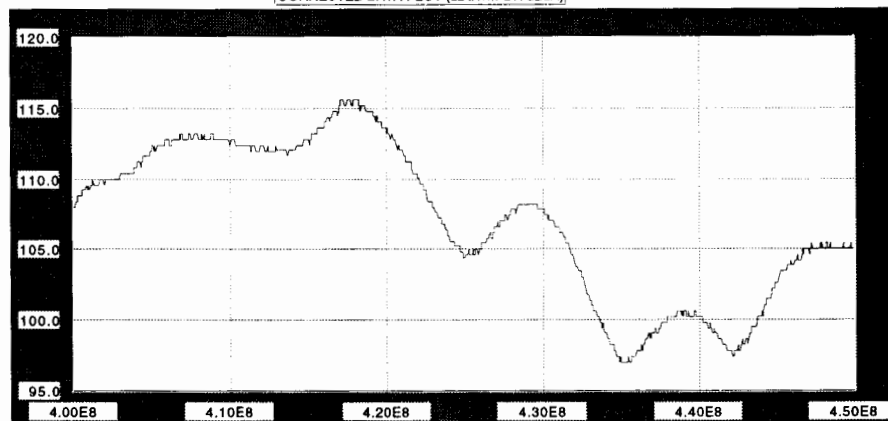
BN DISK STATUS

0

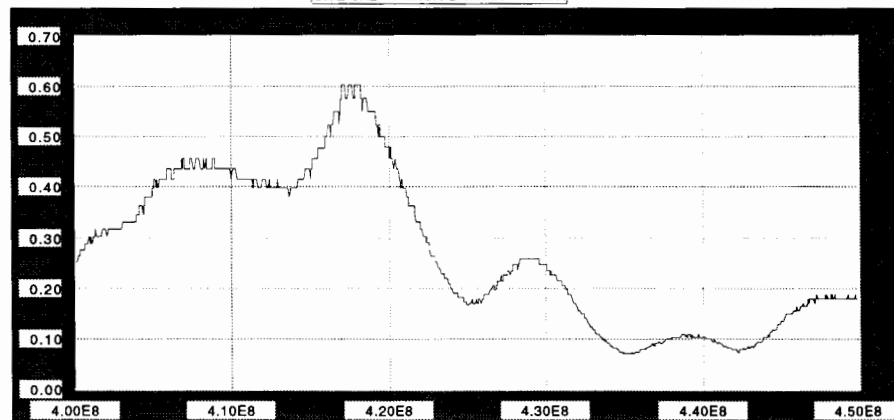
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

44.00

MINIMUM SNR

36.40

AVERAGE SNR

41.29

BAND

8

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8H21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

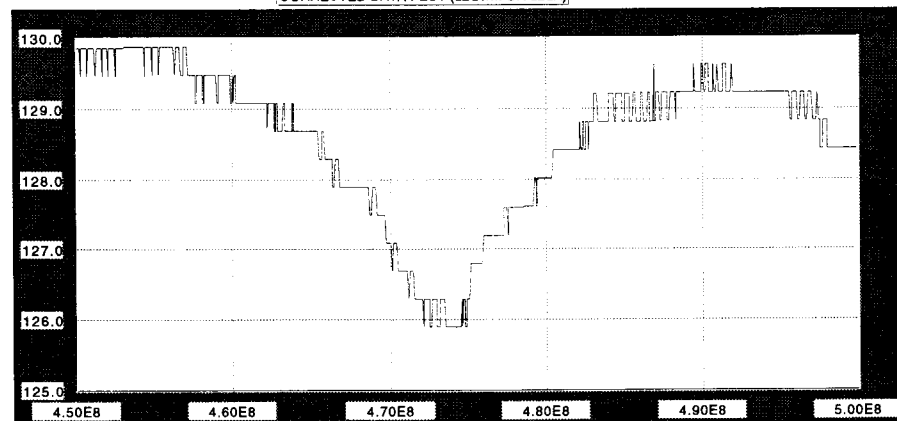
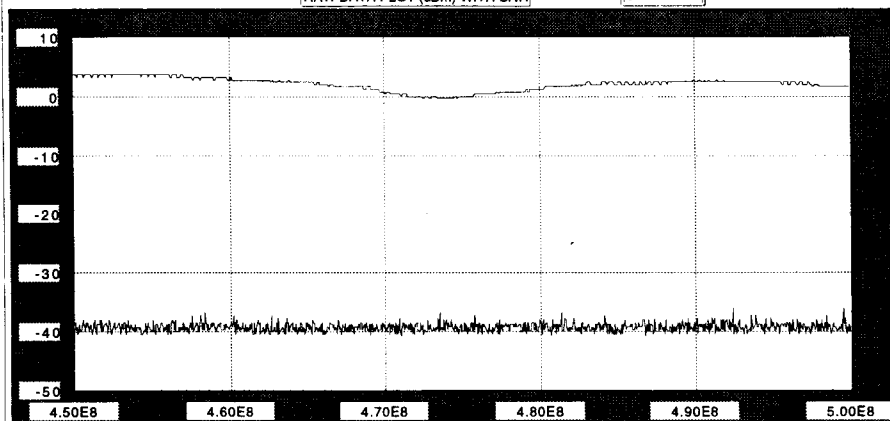
1.28E2

BN DISK STATUS

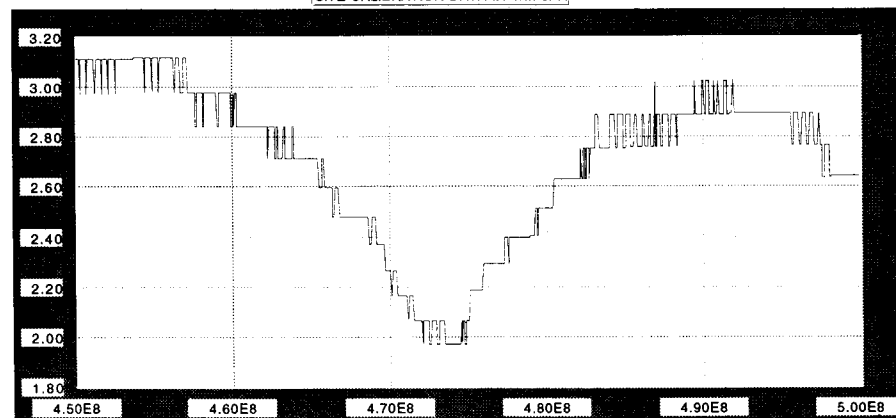
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

60.80

MINIMUM SNR

1.20

AVERAGE SNR

52.08

BAND

9

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

21

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM9H21SCC

READ FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM9H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

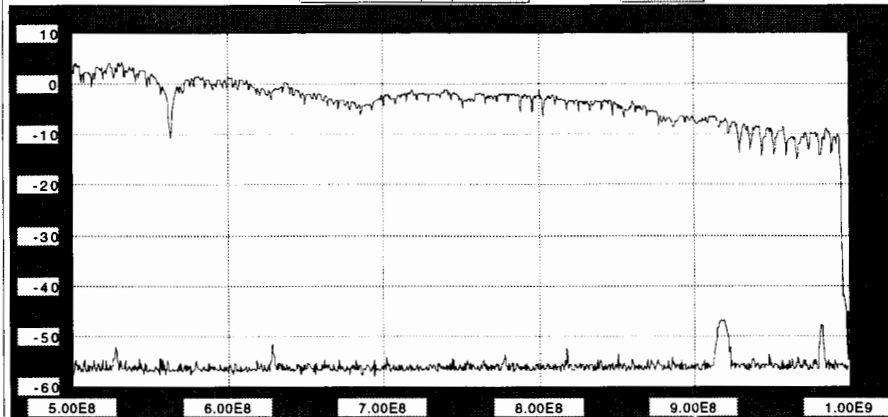
NEW DATA VALUE

9.04E1

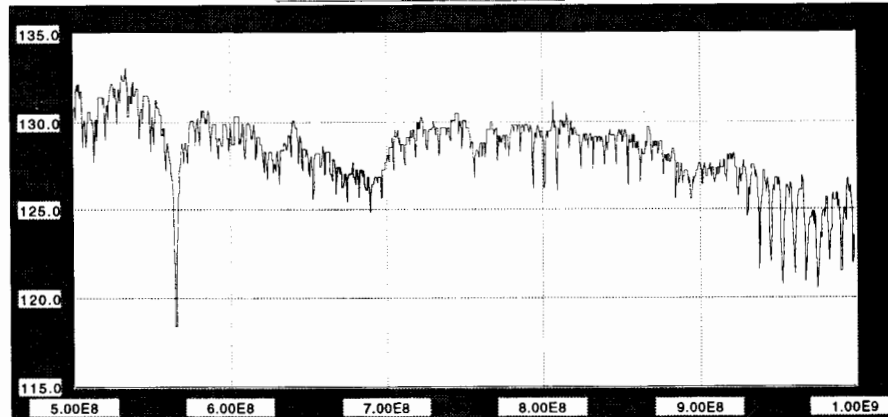
BN DISK STATUS

0

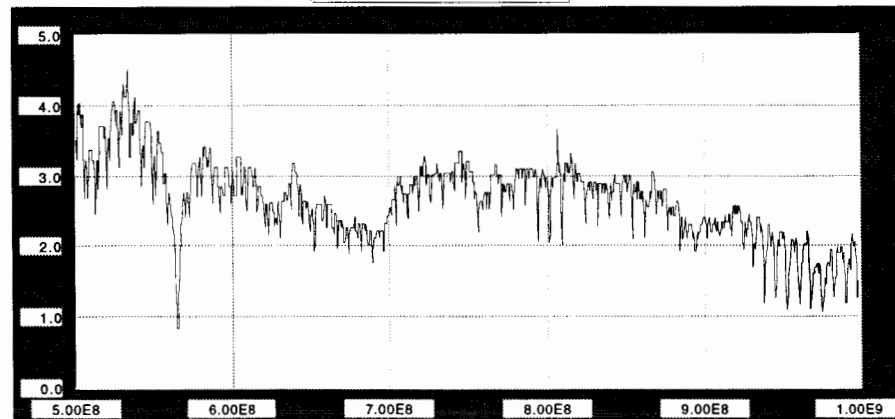
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

35.20

MINIMUM SNR

0.00

AVERAGE SNR

17.38

BAND

10

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM10H21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM10H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

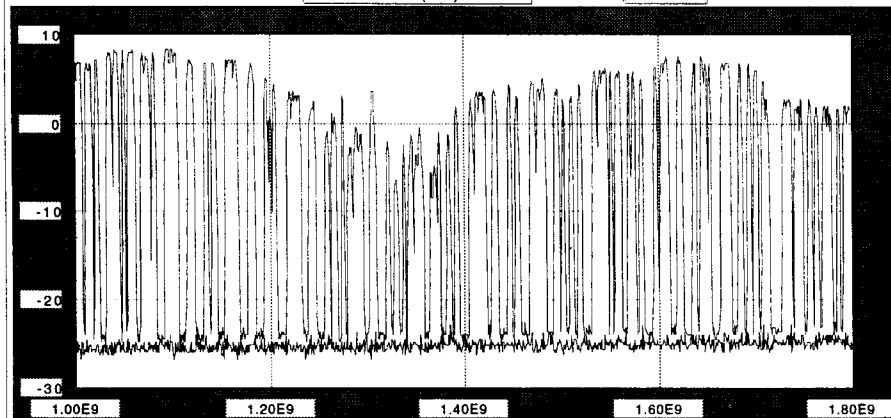
NEW DATA VALUE

1.18E2

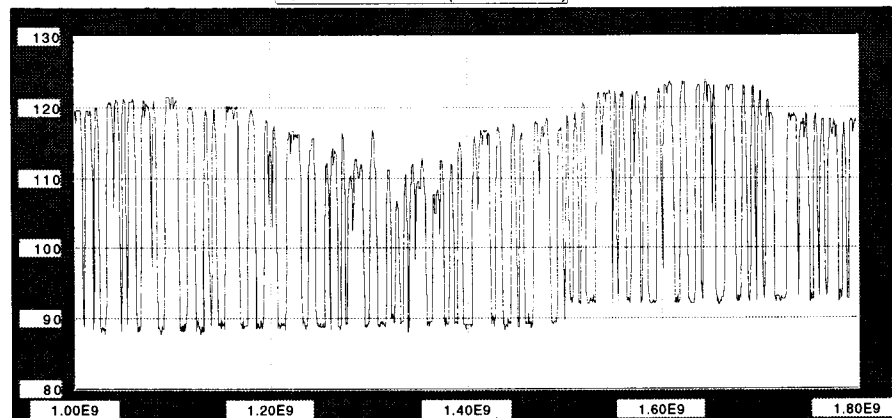
BN DISK STATUS

0

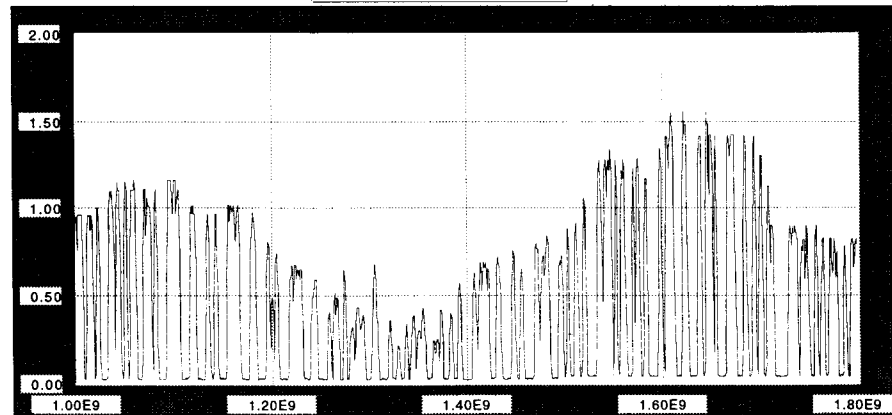
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

56.40

MINIMUM SNR

0.00

AVERAGE SNR

41.44

BAND

11

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

6

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM11H21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM11H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

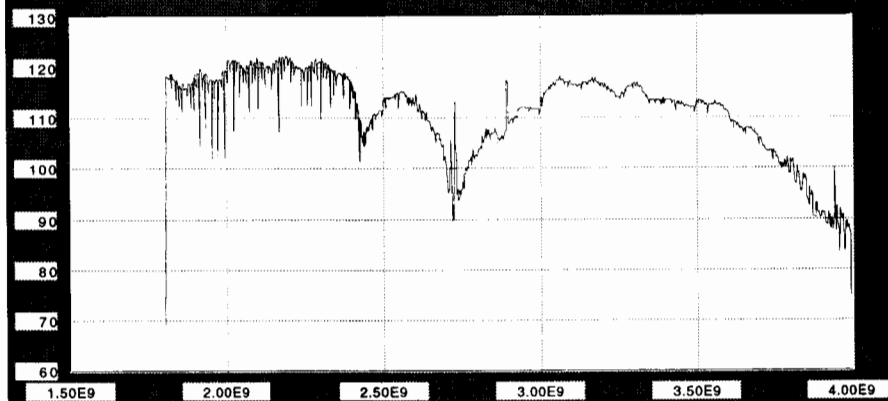
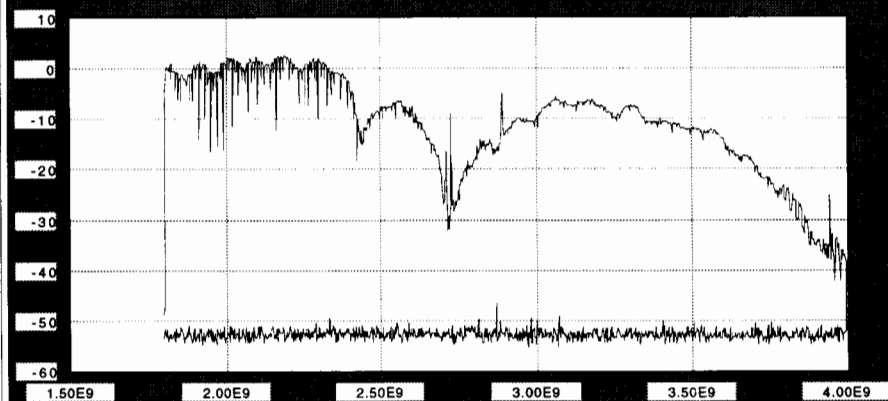
7.50E1

BN DISK STATUS

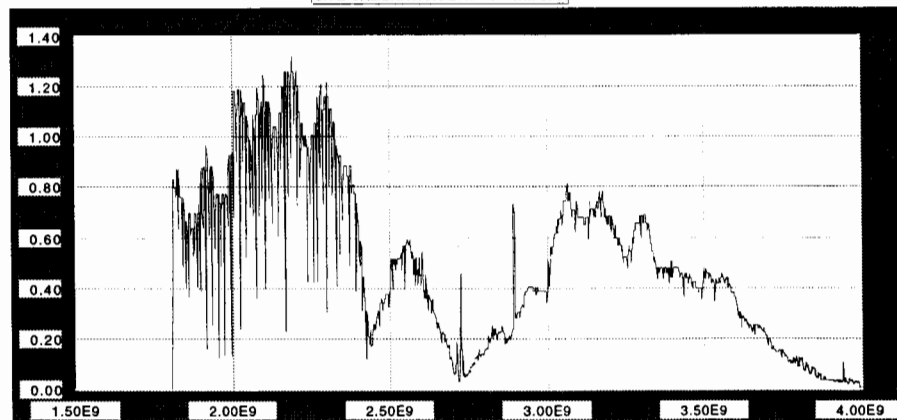
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

14.40

MINIMUM SNR

0.00

AVERAGE SNR

5.70

BAND

12

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM12H21SCC

READ FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM12H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

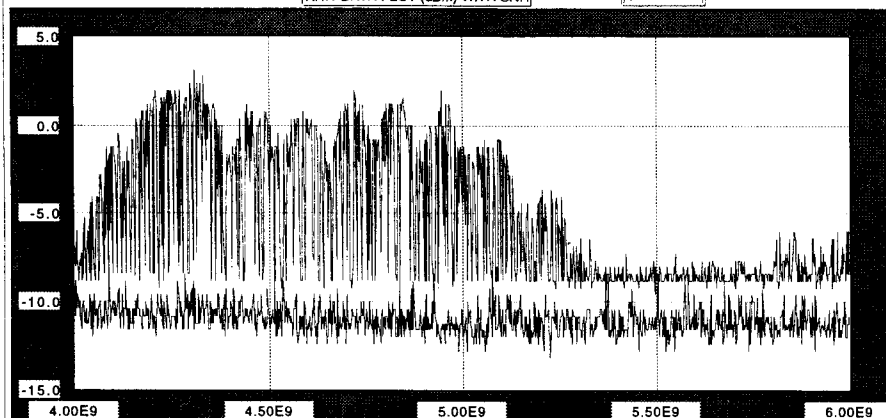
NEW DATA VALUE

1.23E2

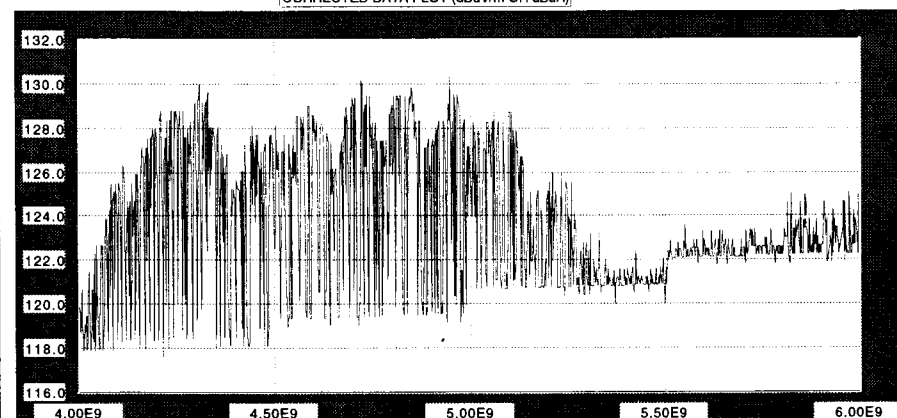
BN DISK STATUS

0

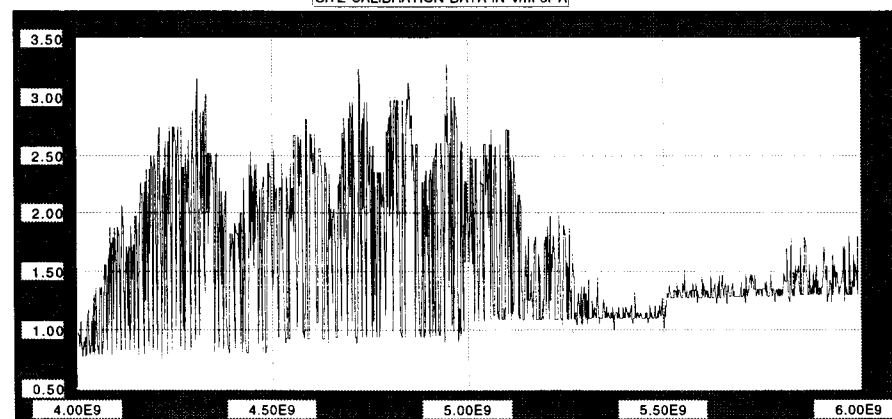
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

22.80

MINIMUM SNR

0.40

AVERAGE SNR

8.79

BAND

13

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM13H21SCC

READ FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM13H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

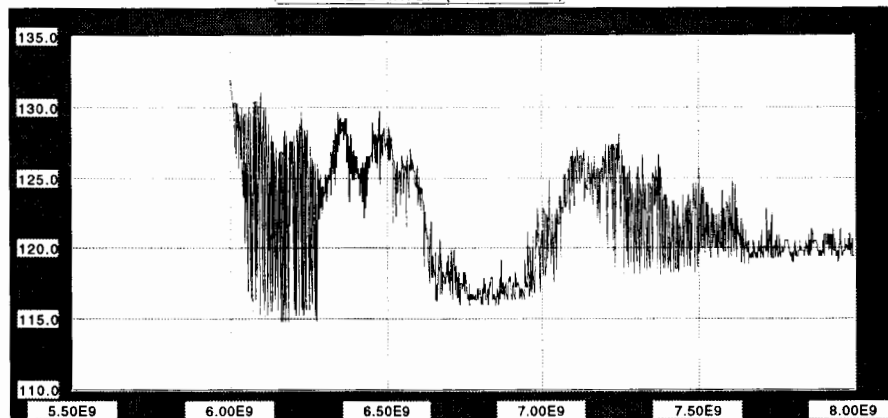
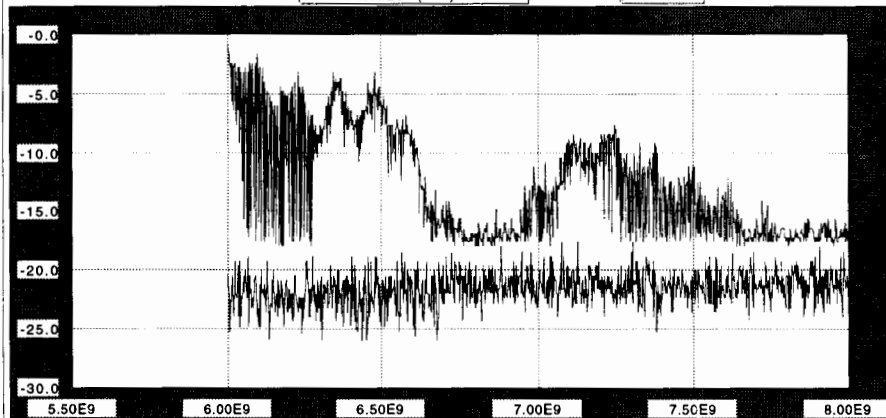
1.19E2

BN DISK STATUS

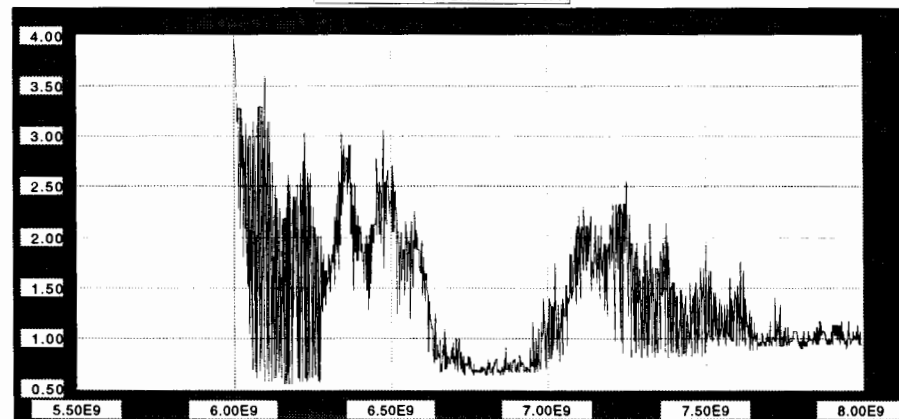
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

26.00

MINIMUM SNR

0.00

AVERAGE SNR

5.33

BAND

14

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

12

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM14H21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM14H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

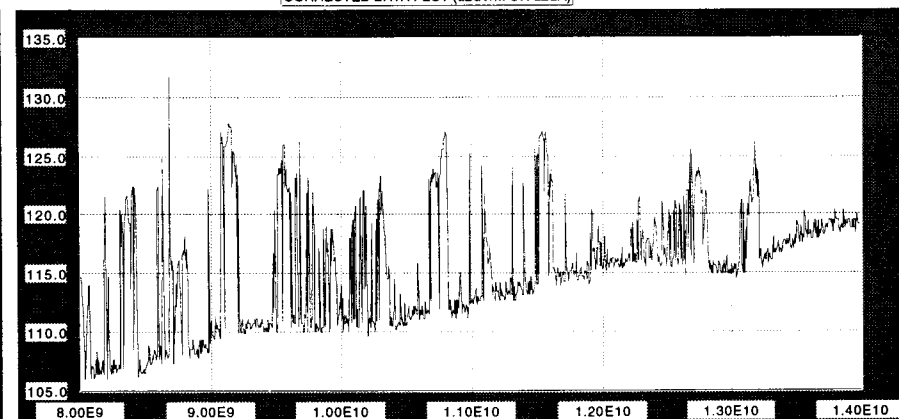
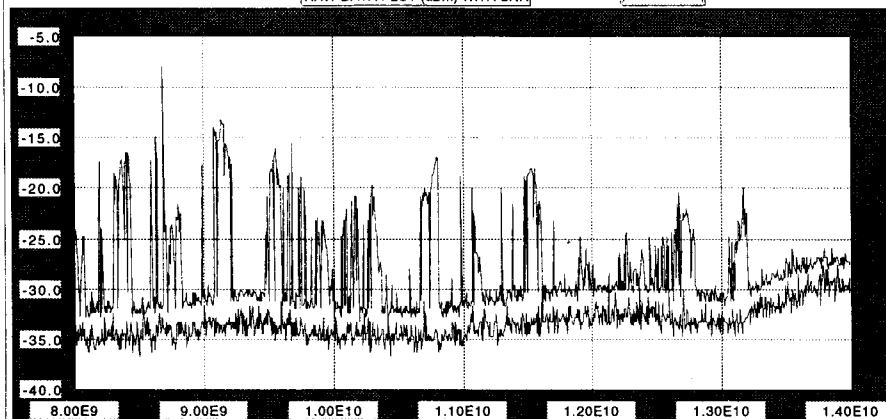
1.19E2

BN DISK STATUS

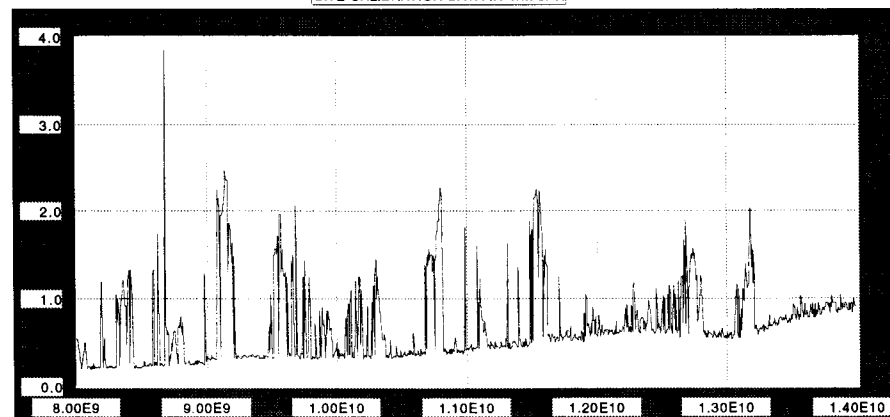
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

11.20

MINIMUM SNR

0.00

AVERAGE SNR

2.11

BAND

15

TX LOC

2

RX LOC

1

POLARITY

H

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM15H21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM15H21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

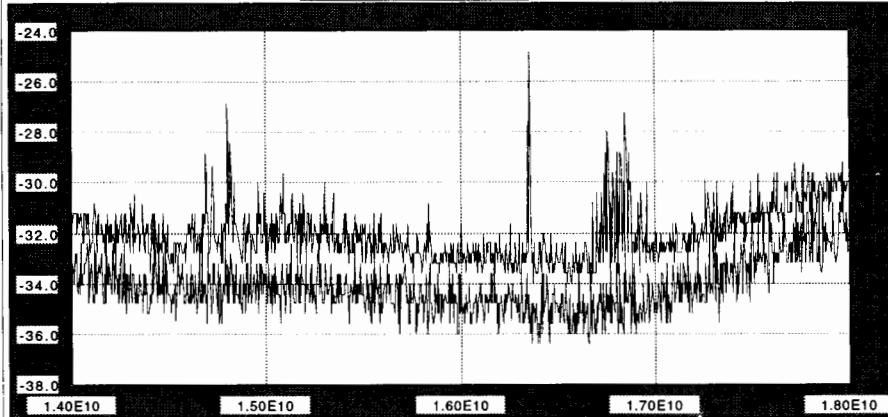
NEW DATA VALUE

1.22E2

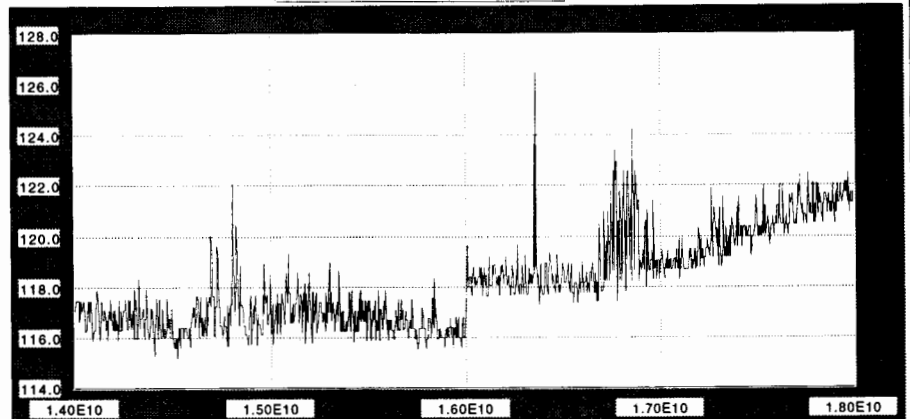
BN DISK STATUS

0

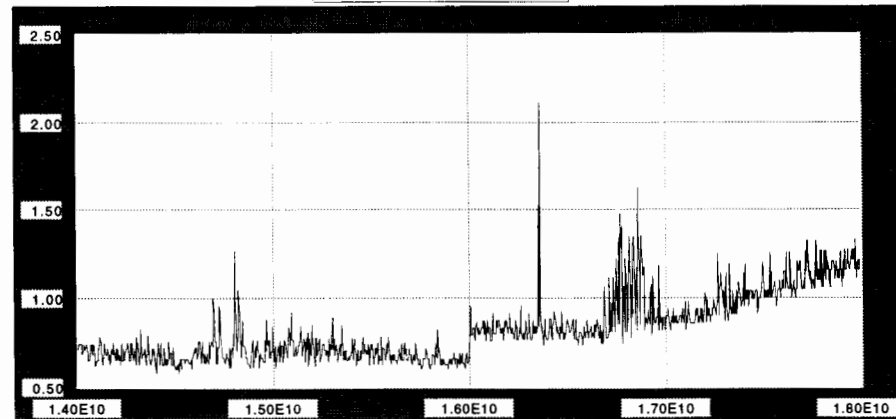
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

25.60

MINIMUM SNR

2.40

AVERAGE SNR

15.57

BAND

5

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

26

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM5V21SCC

READ FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM5V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

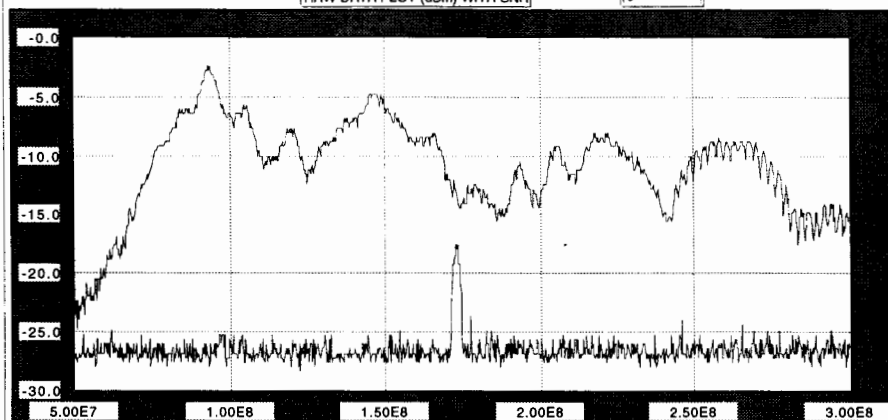
NEW DATA VALUE

1.34E2

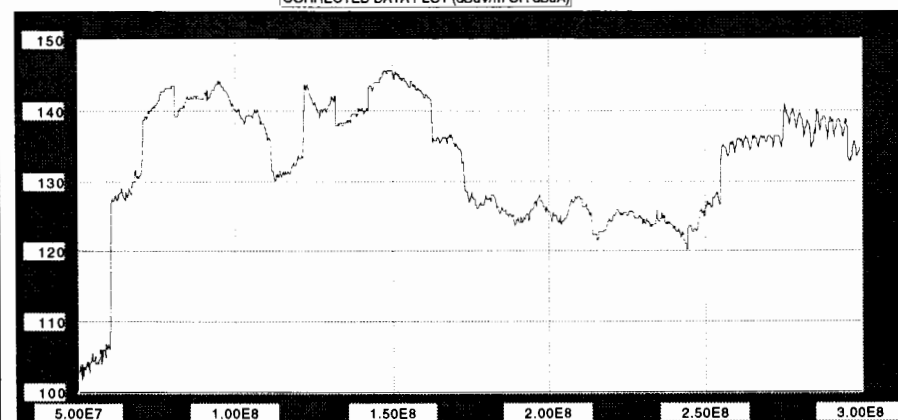
BN DISK STATUS

0

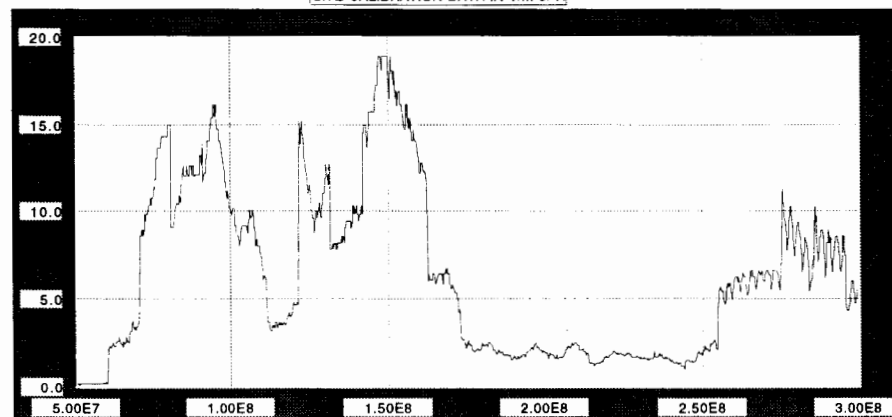
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

31.20

MINIMUM SNR

16.80

AVERAGE SNR

22.73

BAND

6

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM6V21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM6V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

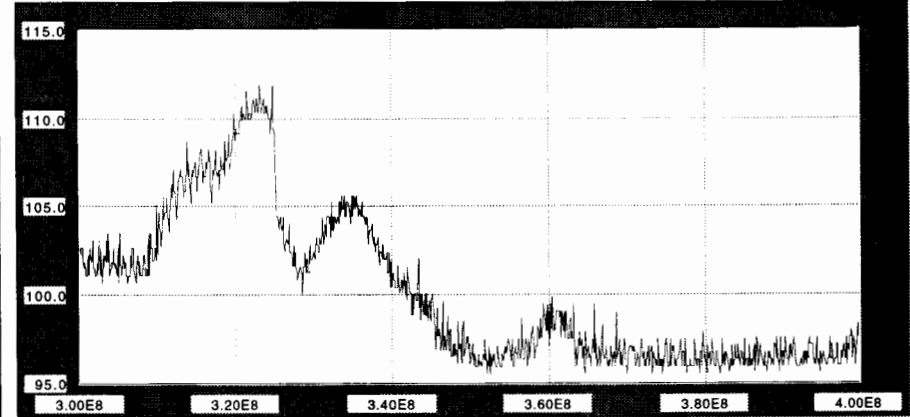
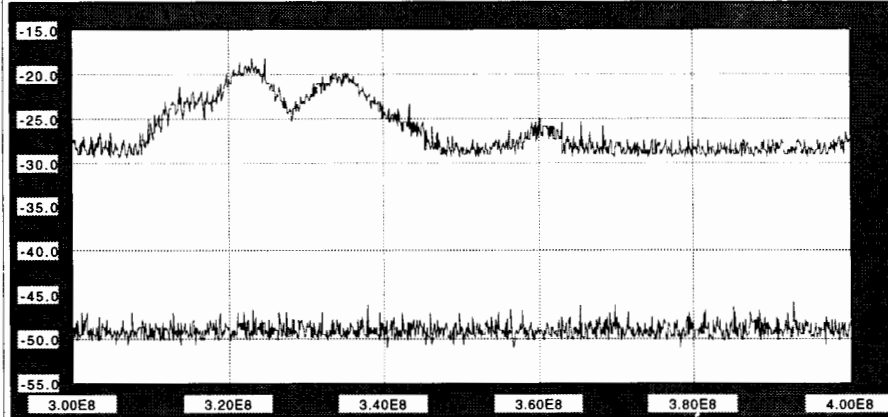
9.76E1

BN DISK STATUS

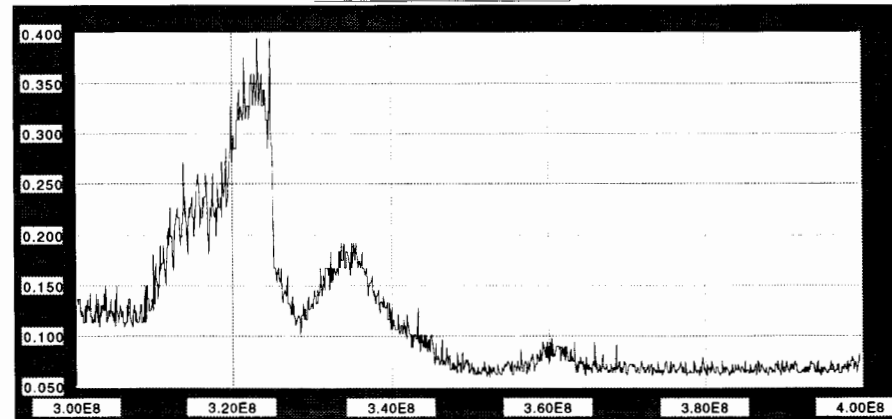
0

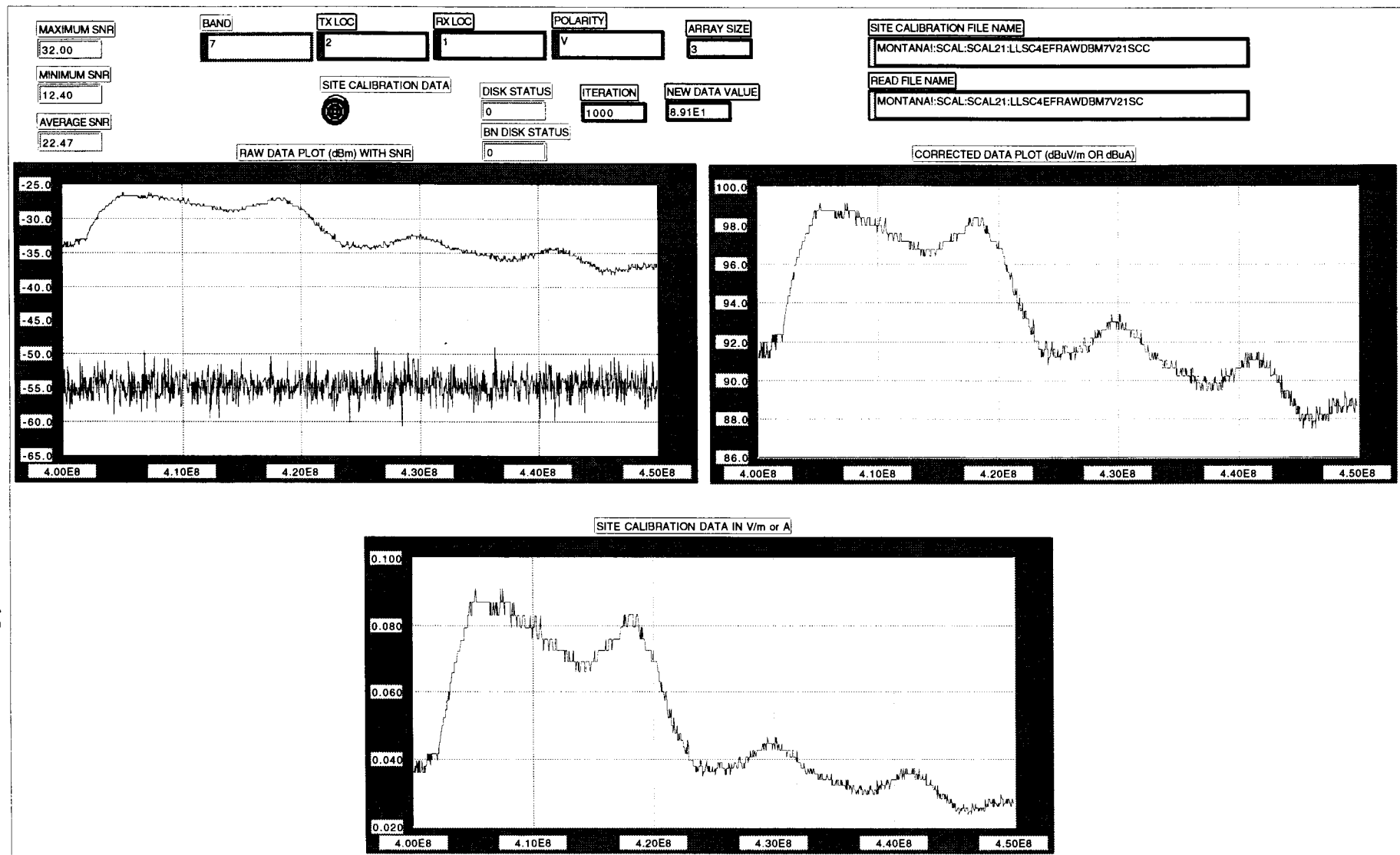
RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A





MAXIMUM SNR

3.60

MINIMUM SNR

0.00

AVERAGE SNR

1.06

BAND

8

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8V21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

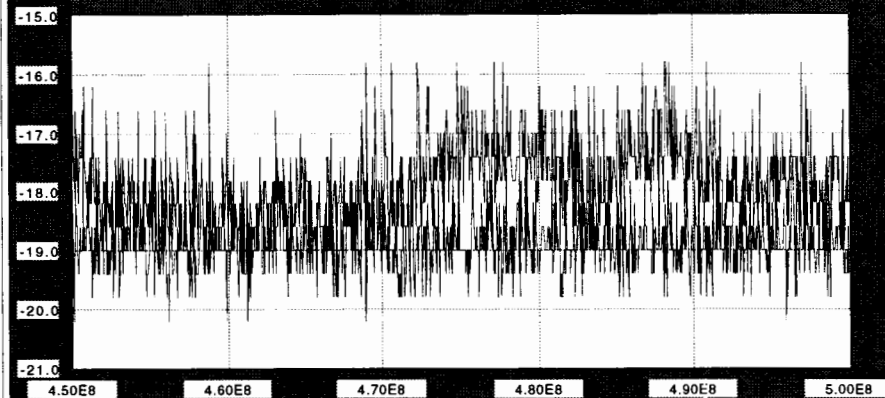
NEW DATA VALUE

1.09E2

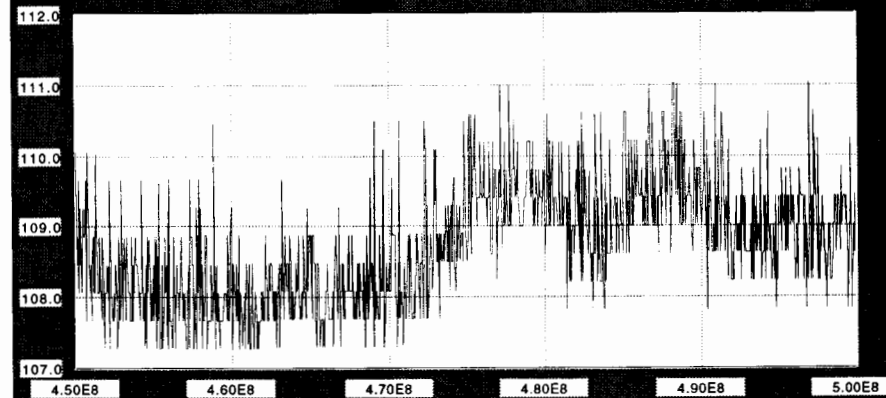
BN DISK STATUS

0

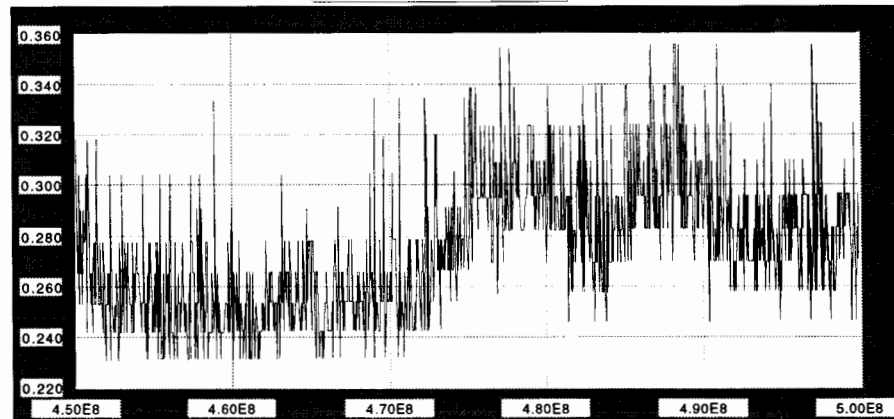
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

8.40

MINIMUM SNR

0.00

AVERAGE SNR

2.18

BAND

9

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

21

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM9V21SCC

READ FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM9V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

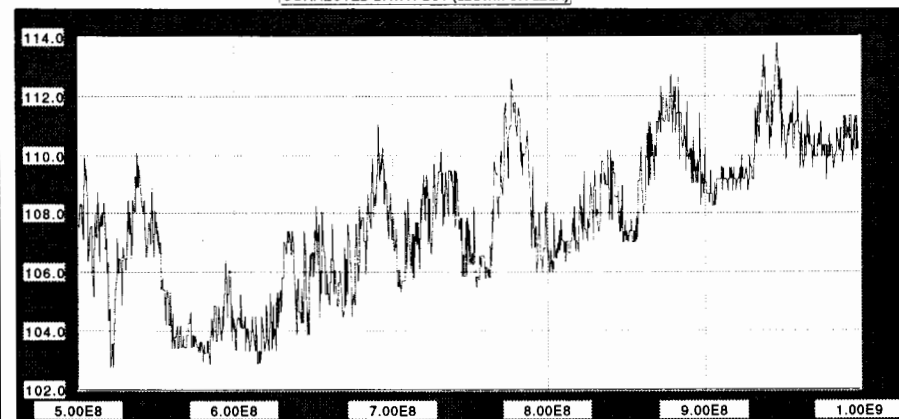
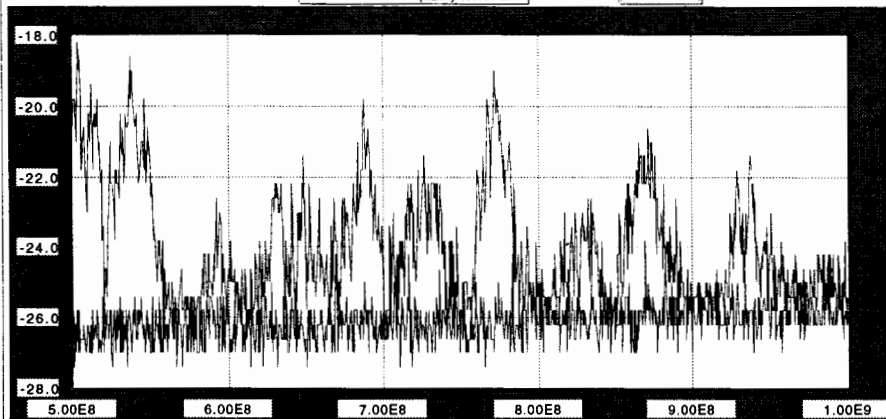
1.10E2

BN DISK STATUS

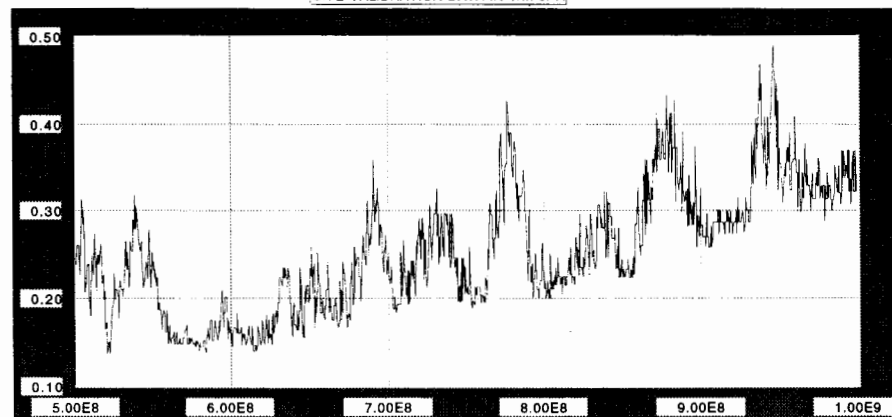
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

22.80

MINIMUM SNR

0.00

AVERAGE SNR

7.10

BAND

10

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

3

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM10V21SCC

READ FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM10V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

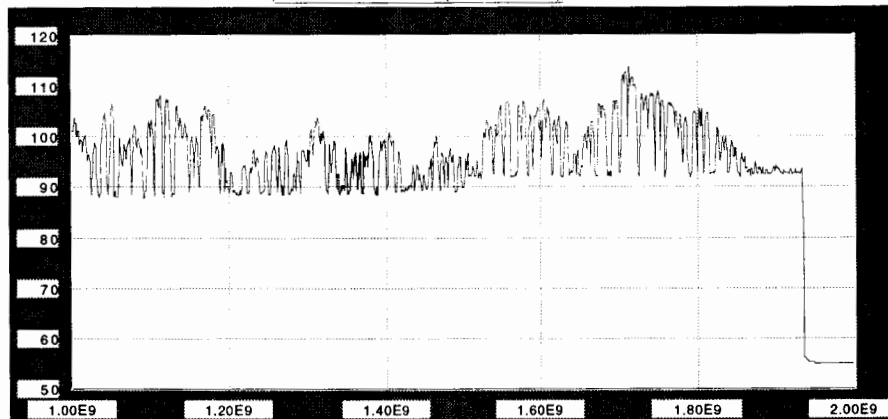
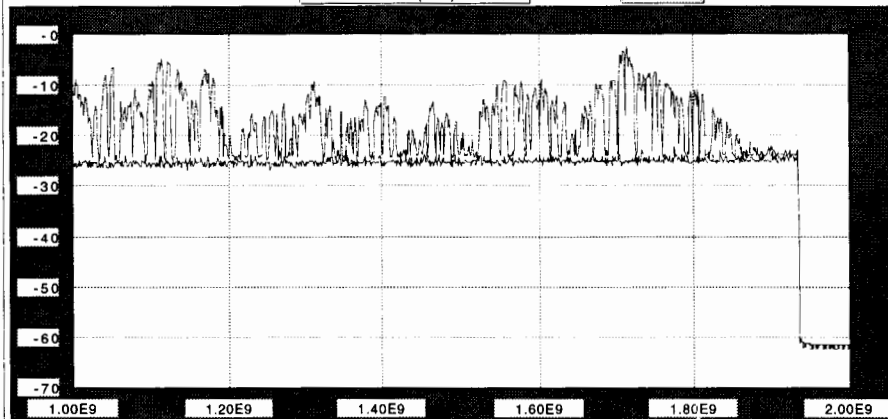
5.49E1

BN DISK STATUS

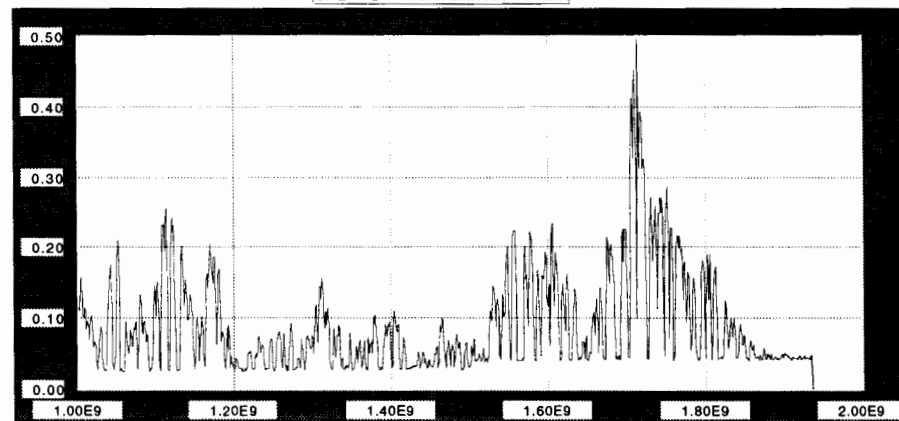
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

35.20

MINIMUM SNR

0.00

AVERAGE SNR

10.81

BAND

11

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

6

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM11V21SCC

READ FILE NAME

MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM11V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

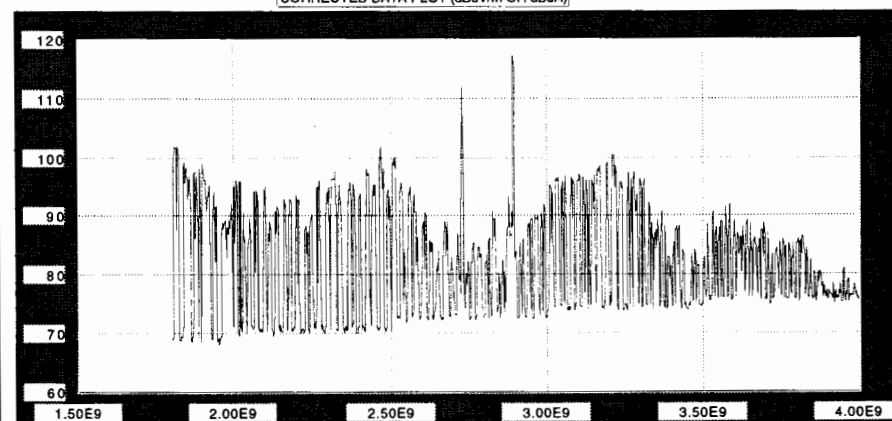
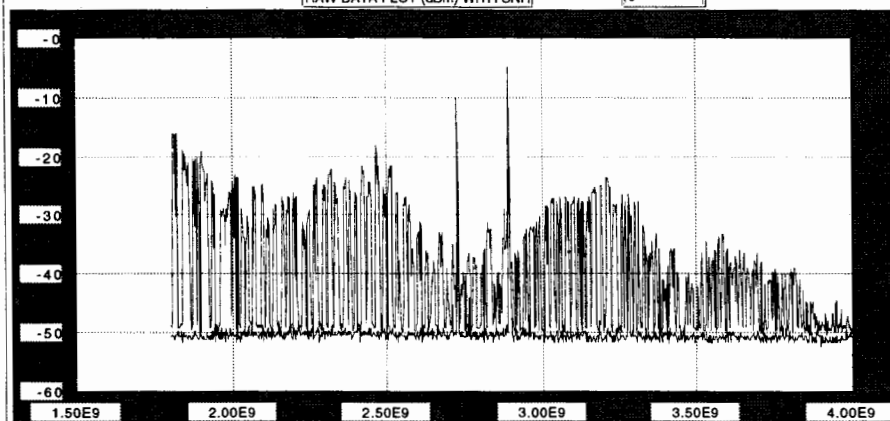
7.54E1

BN DISK STATUS

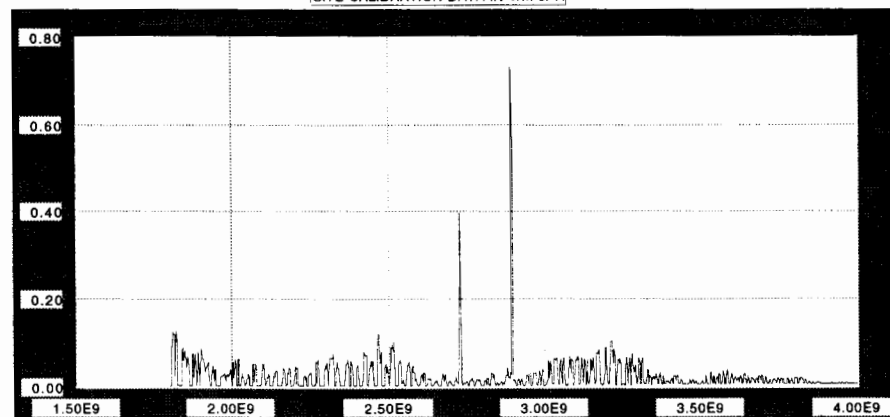
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

5.20

MINIMUM SNR

0.00

AVERAGE SNR

2.21

BAND

12

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM12V21SCC

READ FILE NAME

MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM12V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

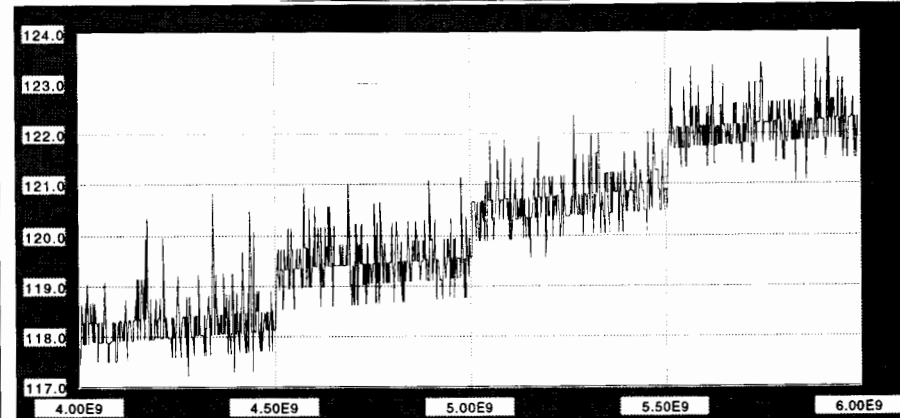
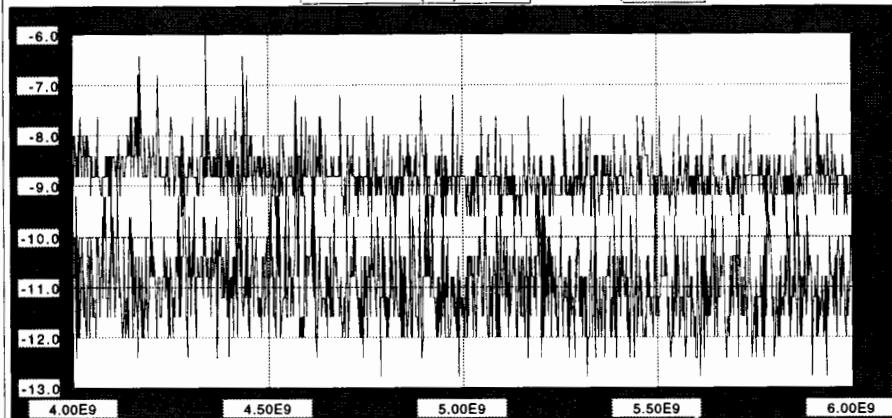
1.22E2

BN DISK STATUS

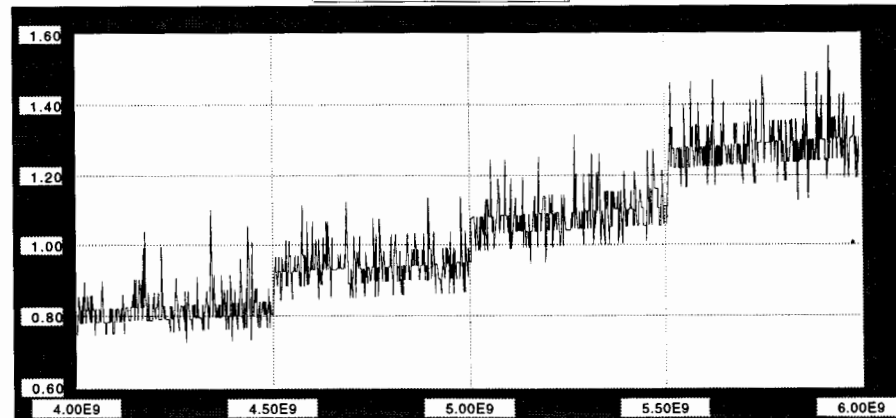
0

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

12.40

MINIMUM SNR

0.40

AVERAGE SNR

4.93

BAND

13

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

5

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM13V21SCC

READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM13V21SC

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

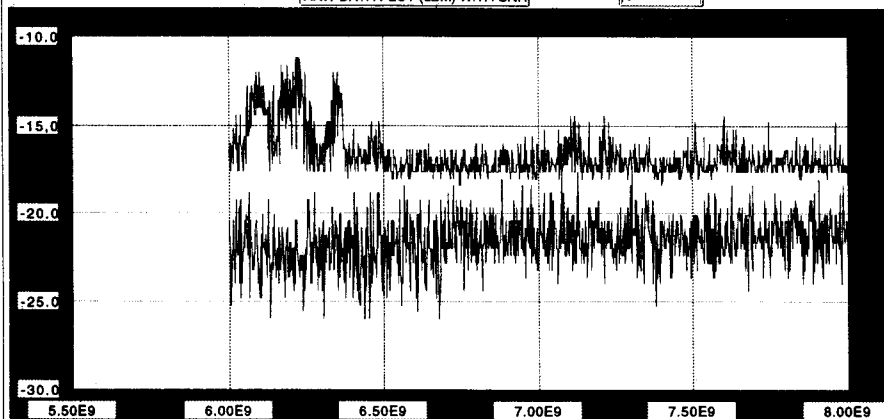
NEW DATA VALUE

1.19E2

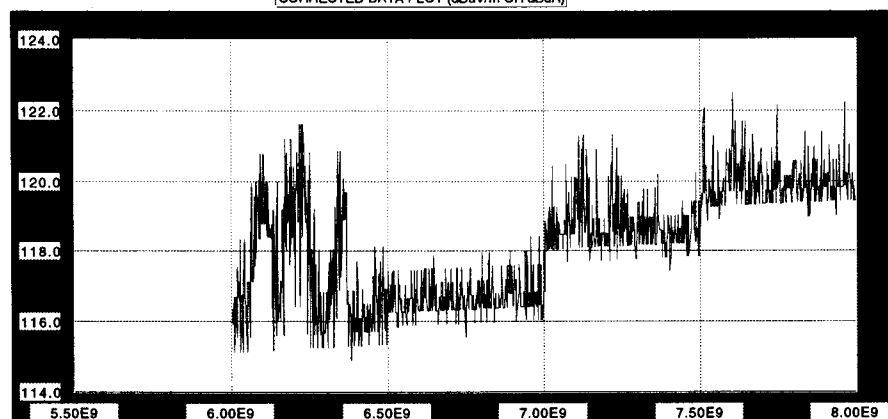
BN DISK STATUS

0

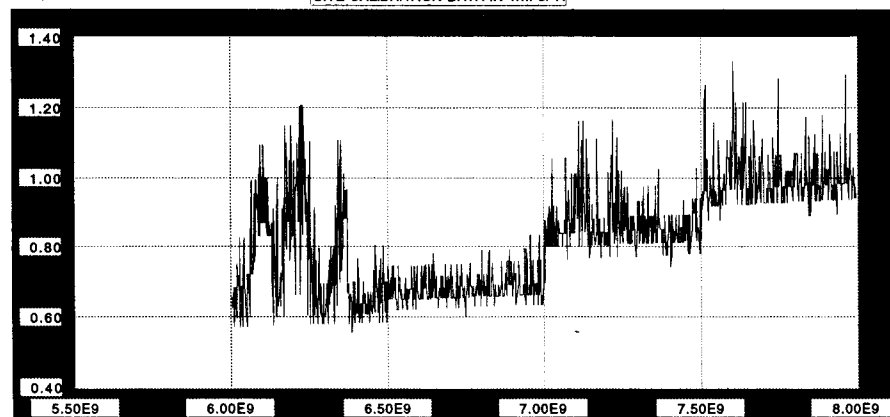
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

26.00

MINIMUM SNR

0.00

AVERAGE SNR

5.33

BAND

14

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

12

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

1.19E2

BN DISK STATUS

0

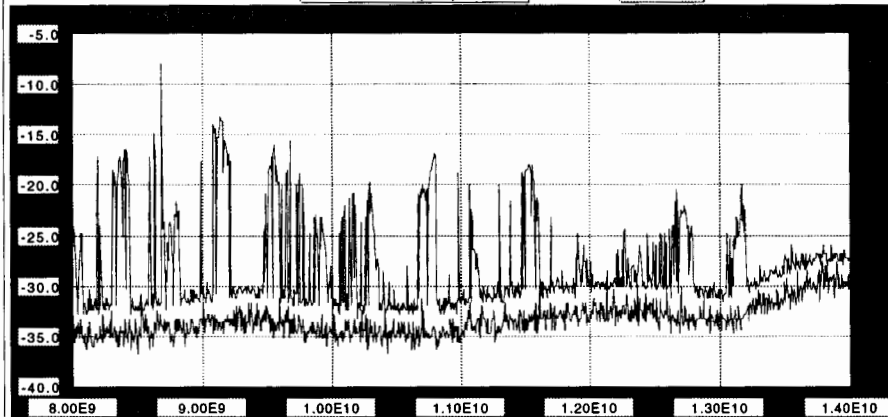
SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM14V21SCC

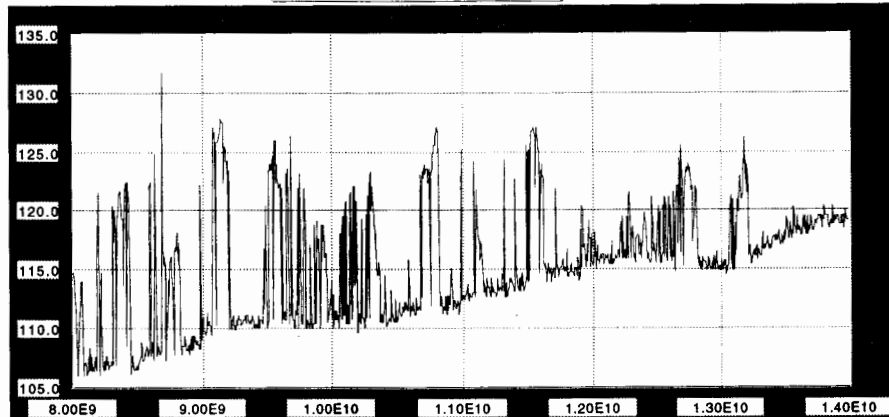
READ FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM14V21SC

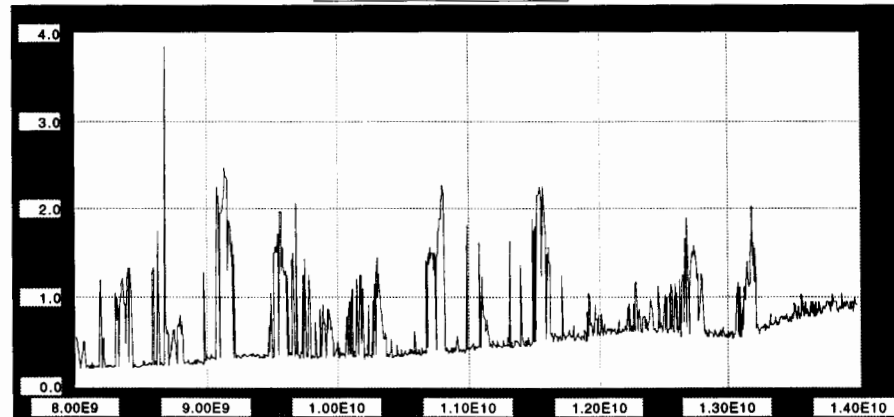
RAW DATA PLOT (dBm) WITH SNR



CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



MAXIMUM SNR

19.20

MINIMUM SNR

0.00

AVERAGE SNR

2.97

BAND

15

TX LOC

2

RX LOC

1

POLARITY

V

ARRAY SIZE

3

SITE CALIBRATION DATA



DISK STATUS

0

ITERATION

1000

NEW DATA VALUE

1.25E2

BN DISK STATUS

0

SITE CALIBRATION FILE NAME

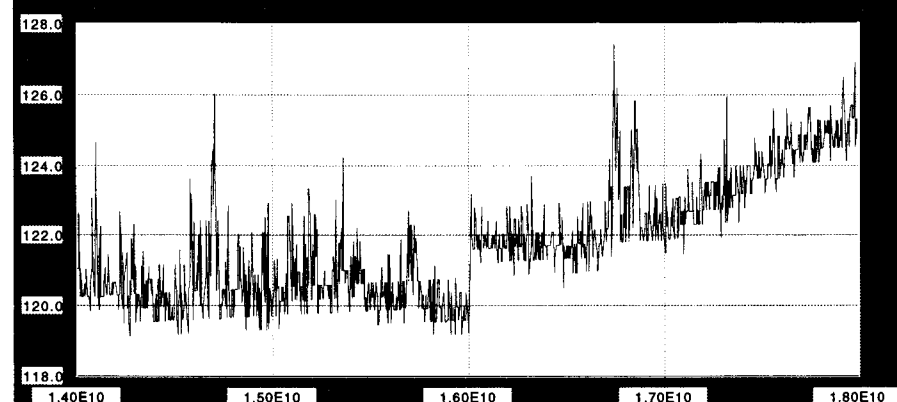
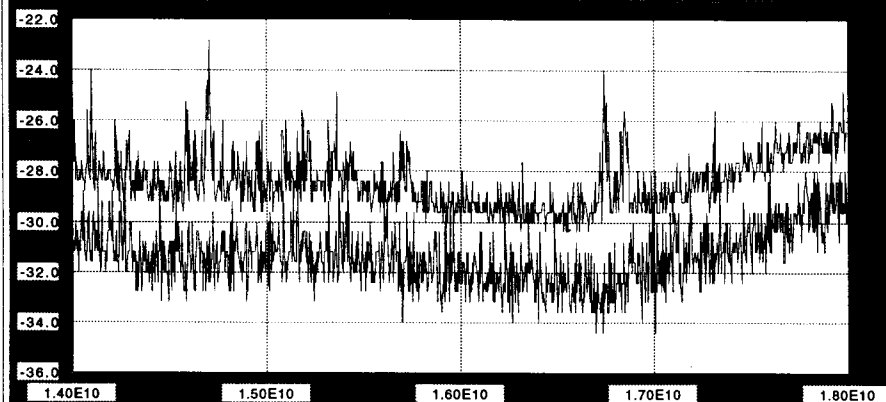
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM15V21SCC

READ FILE NAME

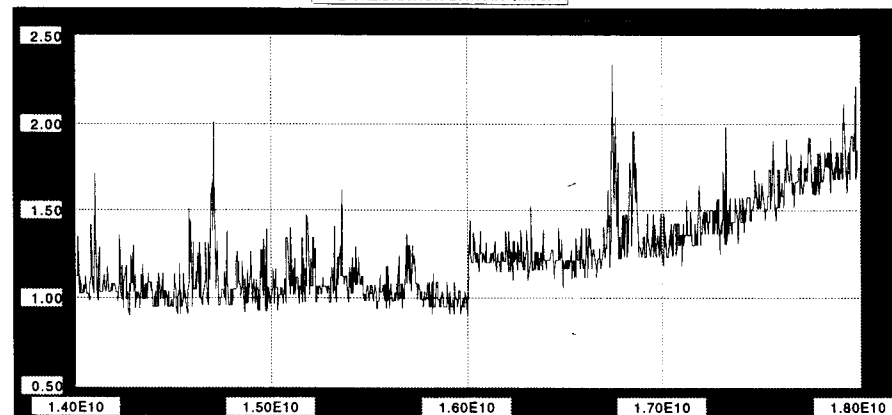
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM15V21SC

RAW DATA PLOT (dBm) WITH SNR

CORRECTED DATA PLOT (dBuV/m OR dBuA)



SITE CALIBRATION DATA IN V/m or A



SECTION 2

LLSC DATA PLOT DESCRIPTION

The LLSC data plots (sample on the following page) each contain the following information:

- Band number identification (Band)
 - S-76 orientation during the test (TXLOC)
 - Receive configuration location (RXLOC)
 - Transmit Antennae Polarity (POLARITY)
 - Full threat data array size (ARRAY SIZE - used internally by software application to process the data)
 - Name of the corrected SCAL data file
 - Data type indicator (if white indicates plot is LLSC data)
 - SCAL data type indicator (if black indicated plot is SCAL data)
 - Disk read error indicator (DISK STATUS)
 - Single corrected data value (NEW DATA VALUE - used internally by software application to process data)
 - Original uncorrected LLSC data file name (READ FILE NAME)
 - Original LLSC Data Plot in dBm with background noise overlay (RAW DATA PLOT (dBm) WITH SNR)
 - Corrected data plot in dBuA (CORRECTED DATA PLOT dBuV/m OR dBuA)
 - SCAL corrected data plot with values in dBuV/m (SITE CALIBRATION CORRECTED (dBuV))
 - LLSC data plot extrapolated to full threat (FULL THREAT DATA PLOT (V/m) OR CABLE CURRENT (A) WITH FULL THREAT OVERLAY)
-

SECTION 2-1
PILOT DISPLAY UNIT LLSC DATA PLOTS

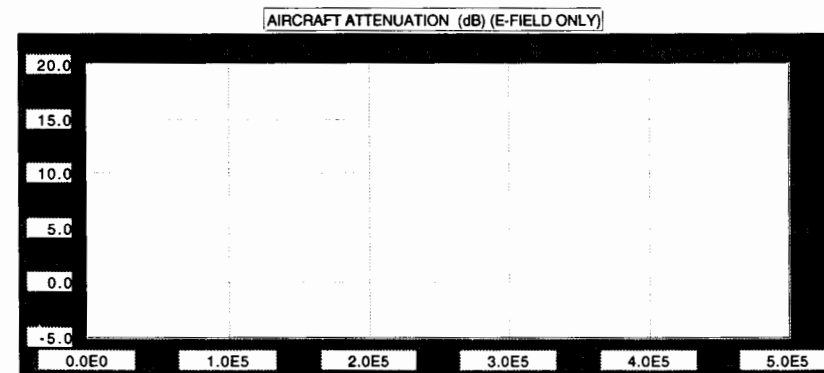
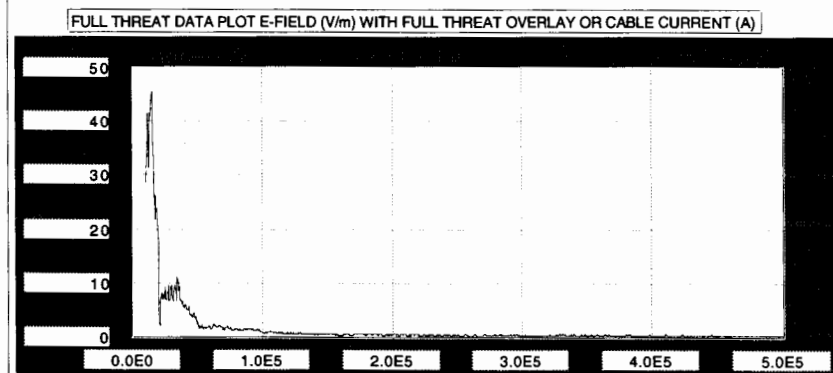
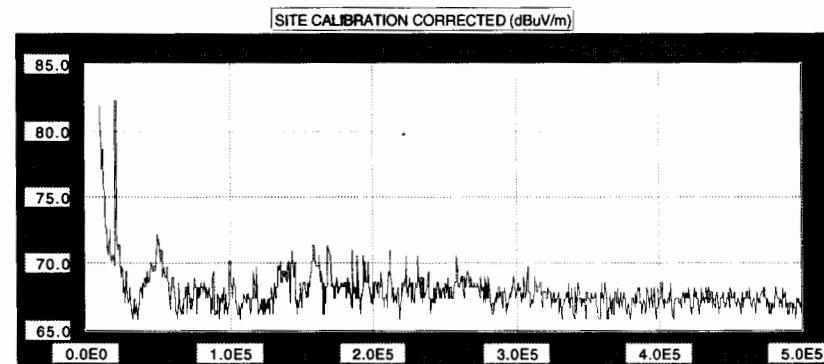
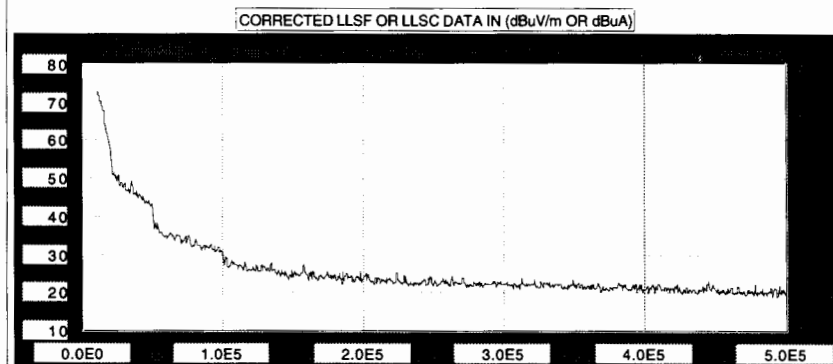
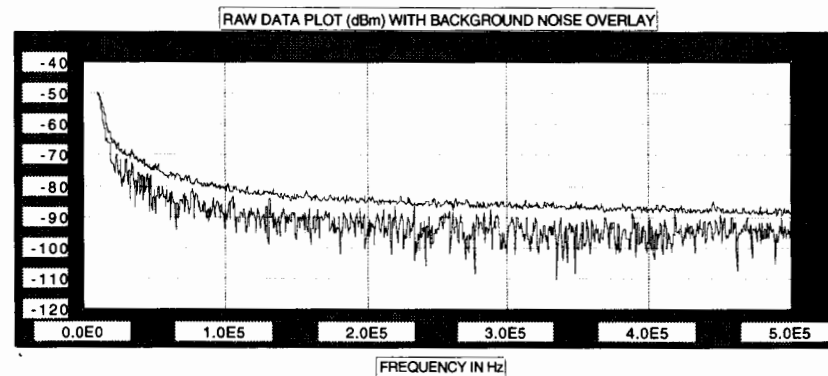
BAND	TX LOC	RX LOC	POLARITY
1	1	1	H

SITE CALIBRATION FILE NAME
MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM1H11SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA\LABVIEW DATA\LLSC1CCRAWDBM1H11

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND TX LOC RX LOC POLARITY
2 1 1 H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM2H11SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS
  0 0

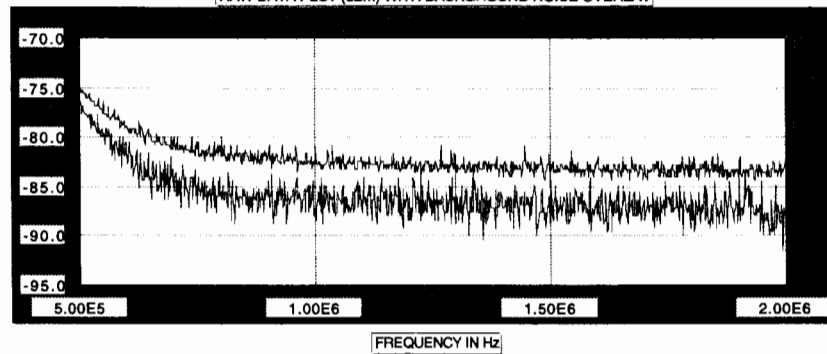
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM2H11

MAX ATTENUATION (dB)
0

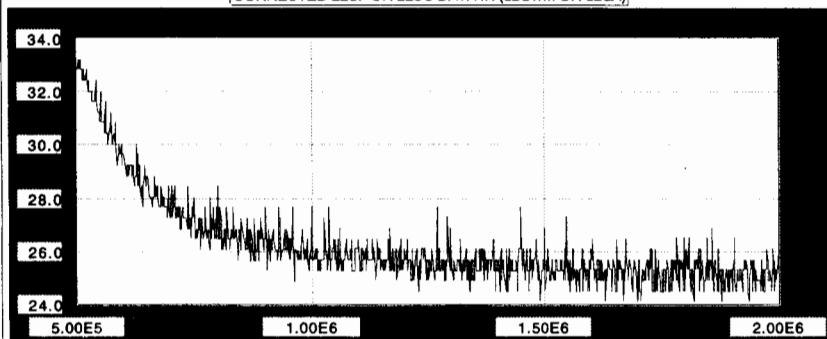
MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0

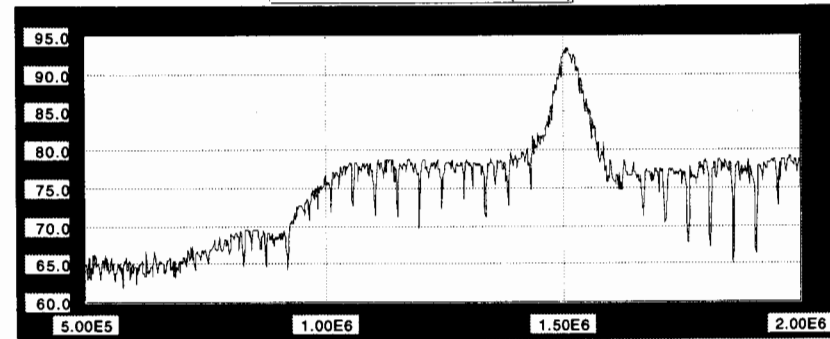
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



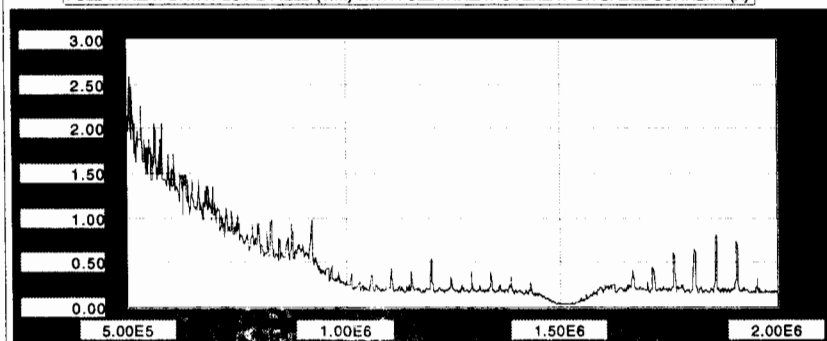
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



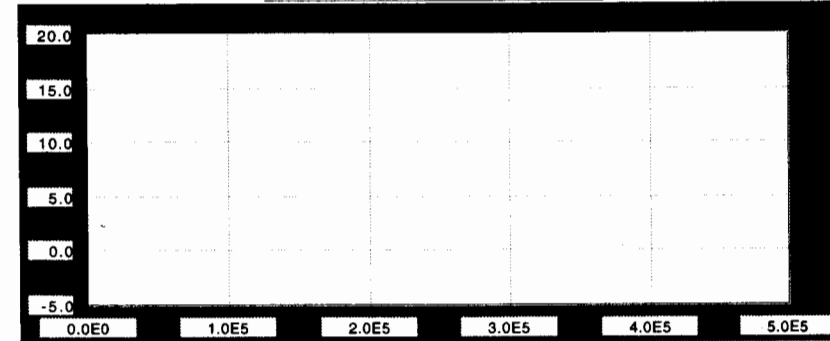
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM3H11SCC

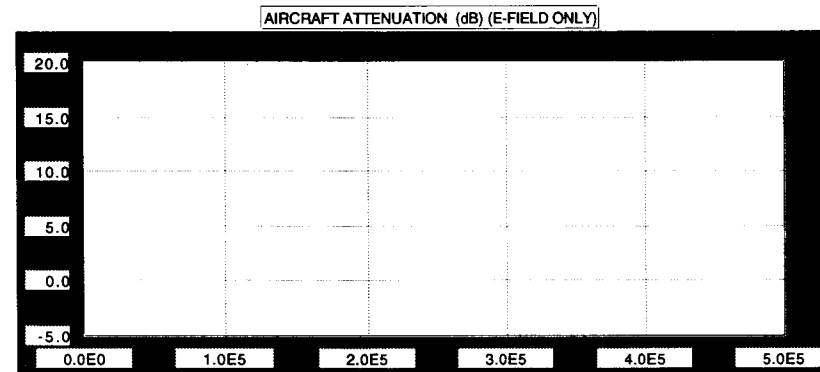
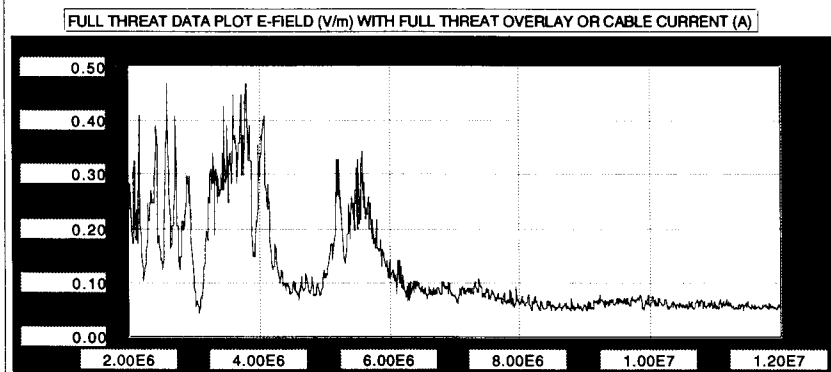
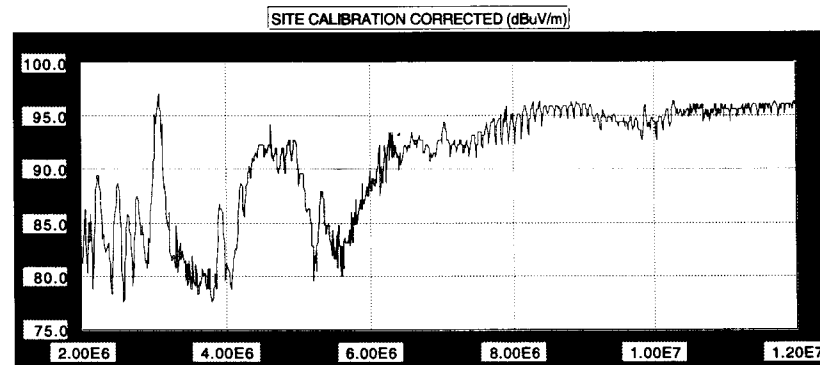
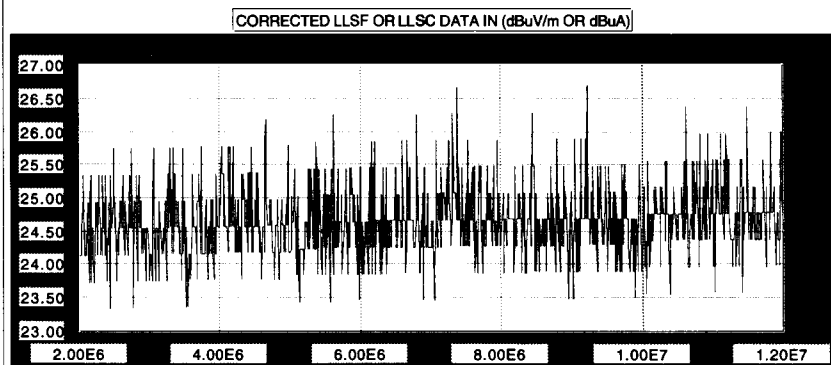
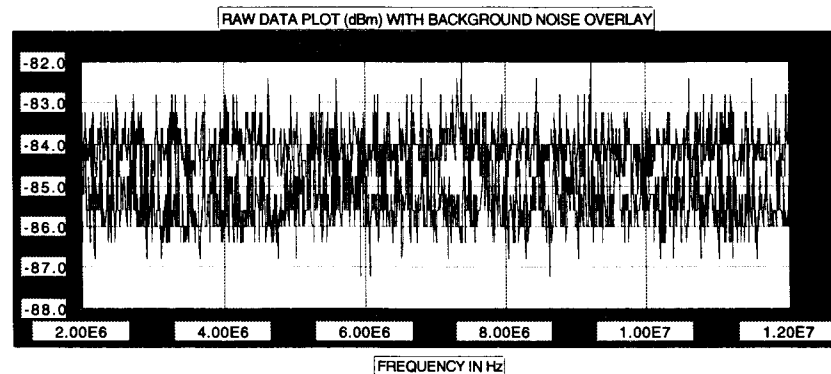
E-FIELD ☒ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM3H11

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)



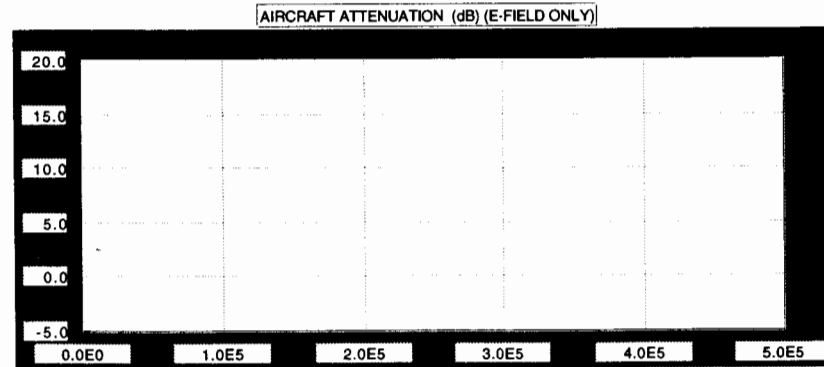
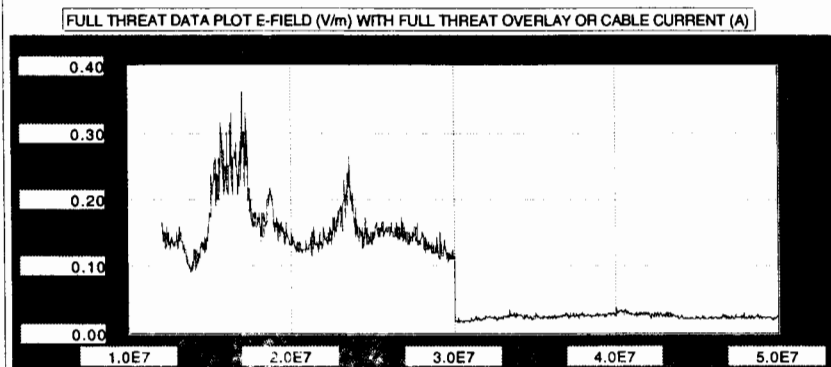
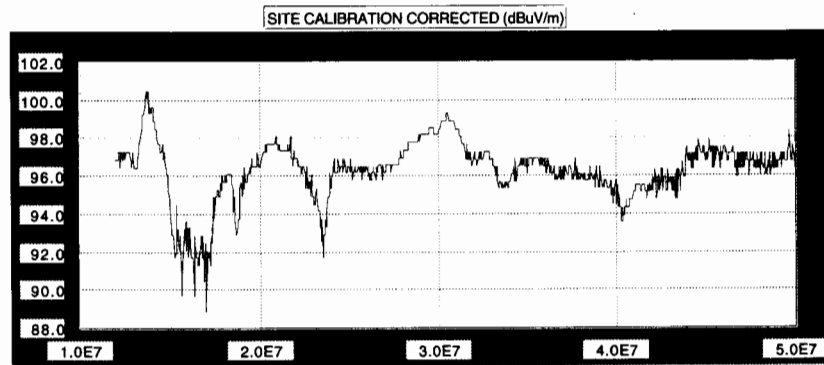
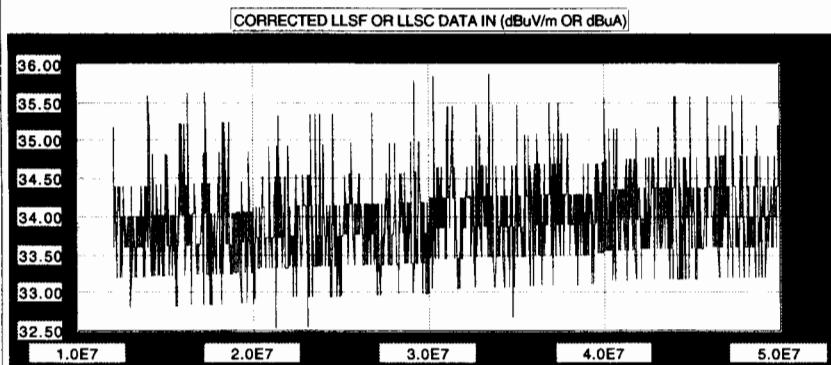
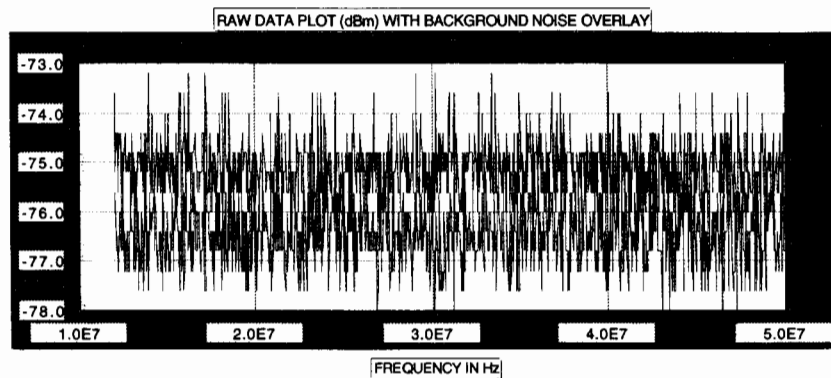
BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☒ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

READ FILE NAME

MAX ATTENUATION (dB)
 MIN ATTENUATION (dB)
 AVERAGE ATTENUATION (dB)



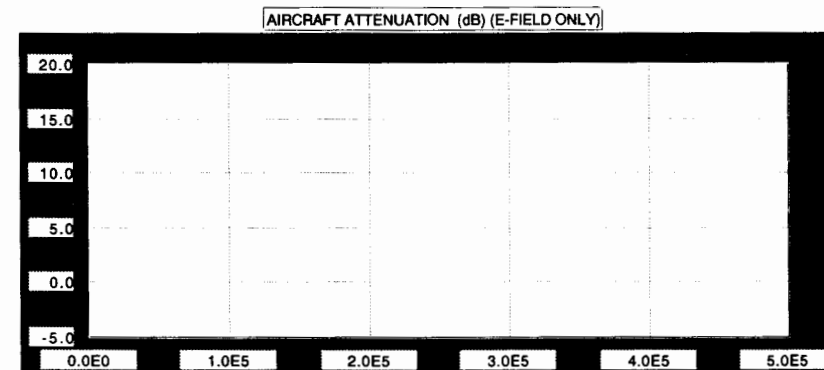
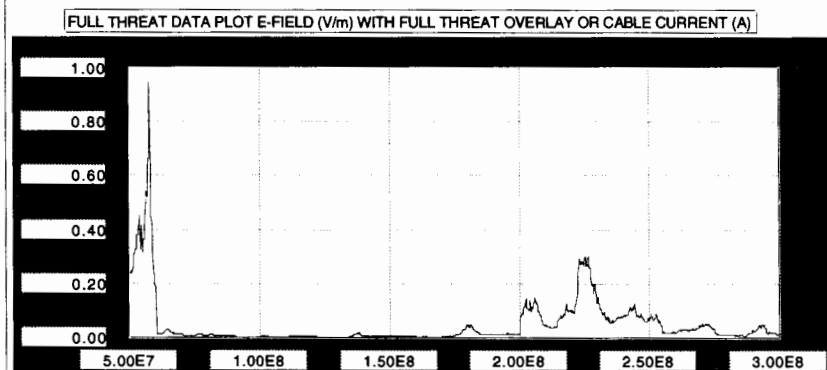
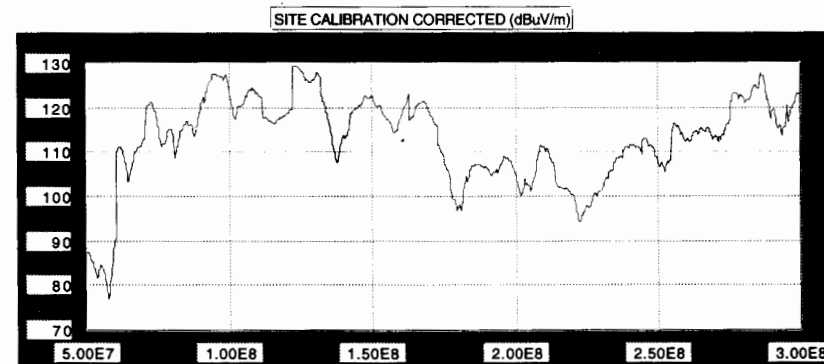
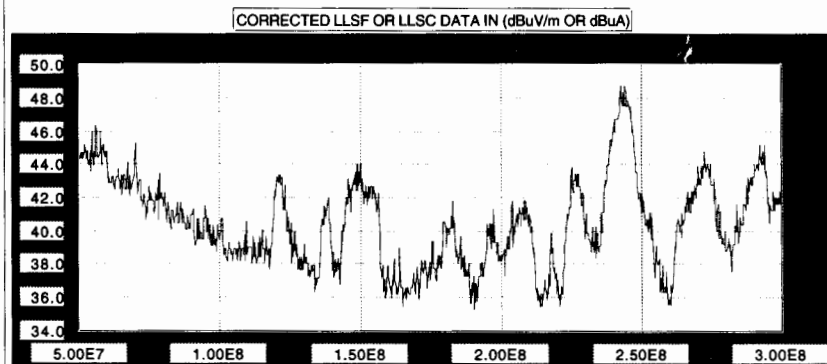
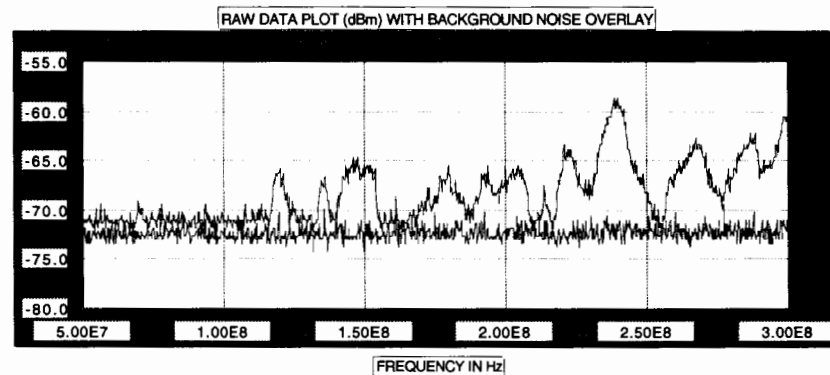
BAND	TX LOC	RX LOC	POLARITY
5	1	1	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM5H11SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM5H11

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM6H11SCC

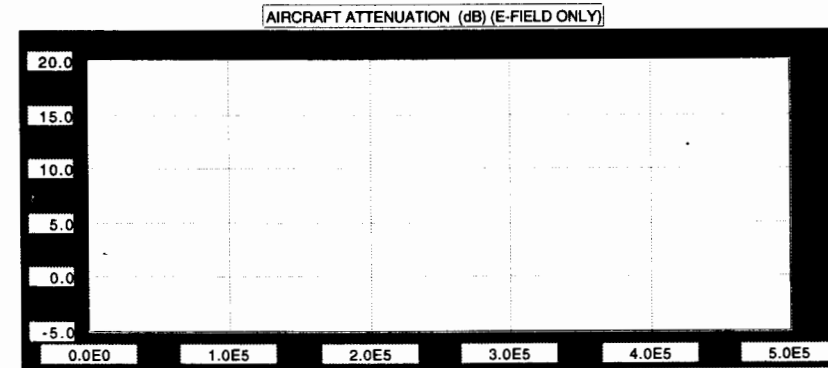
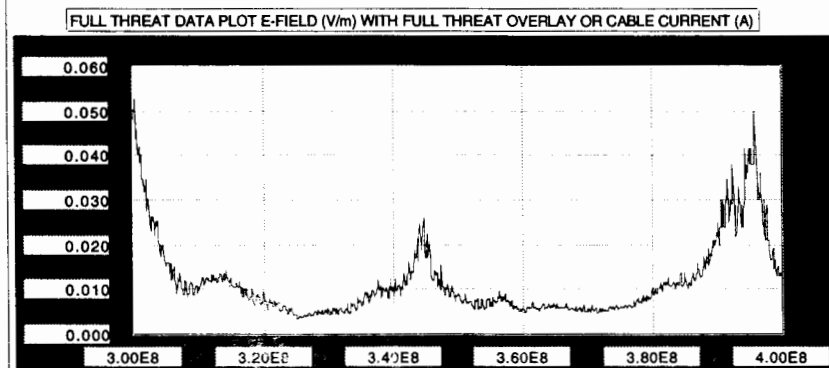
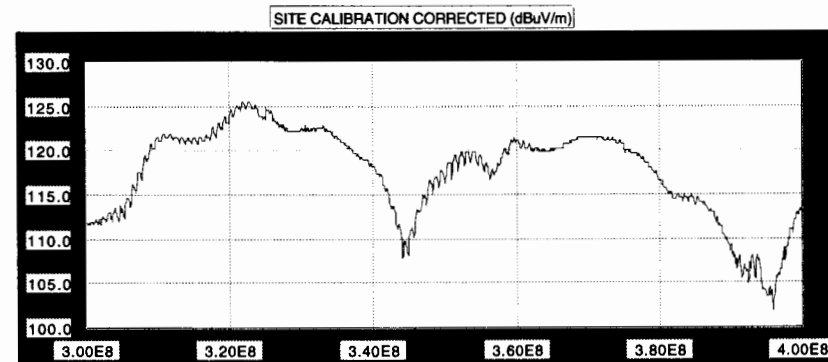
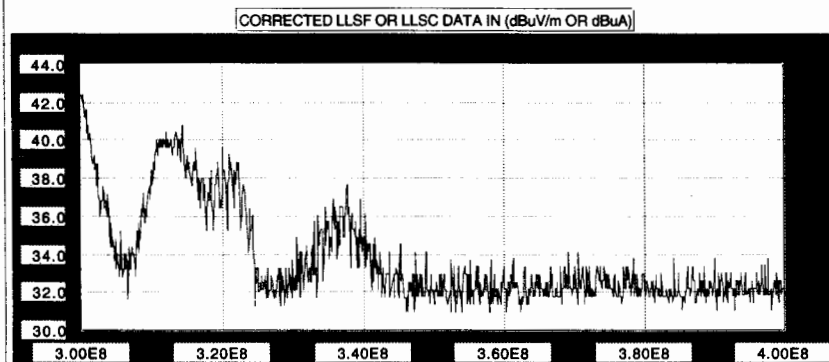
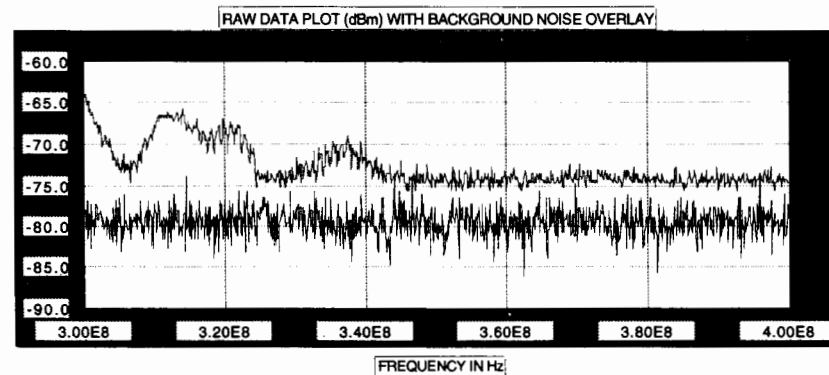
E-FIELD ☐ FILTER ON/OFF ☐ FILTER RANK DISK STATUS

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM6H11

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)



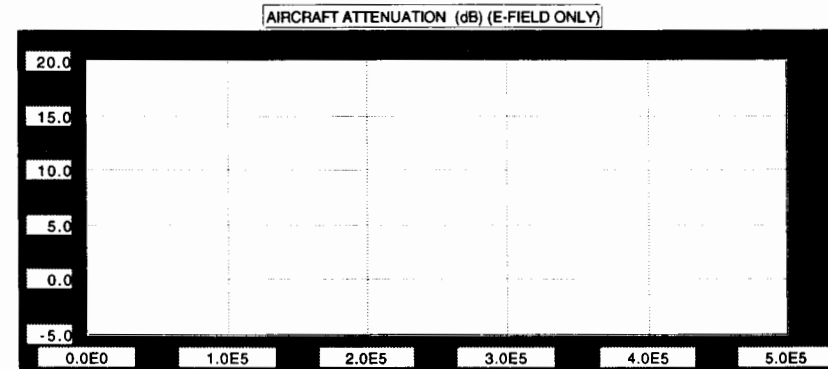
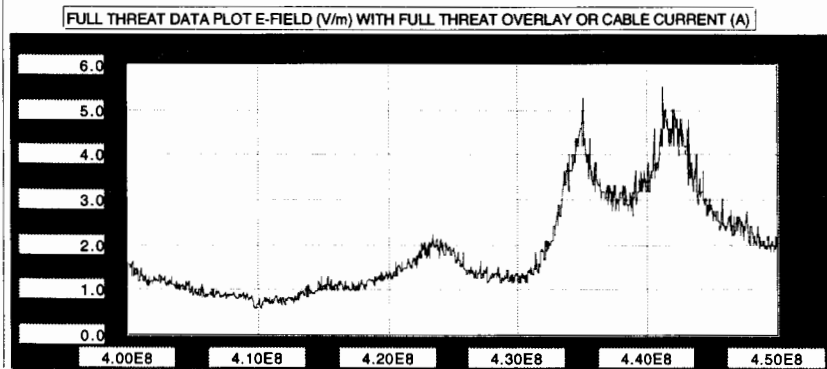
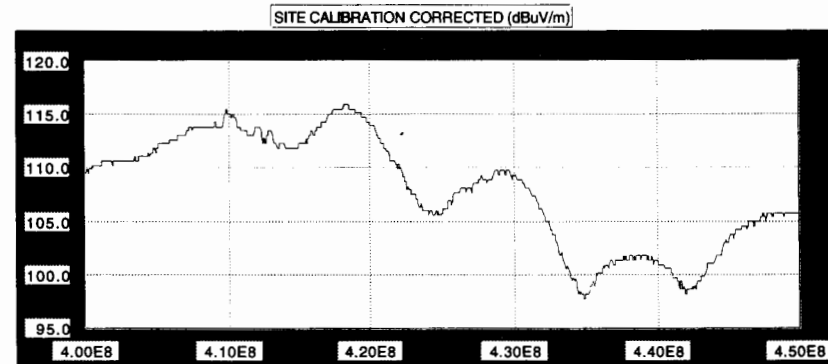
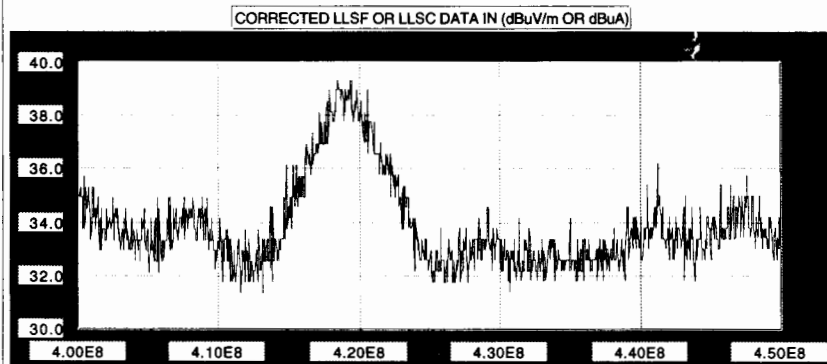
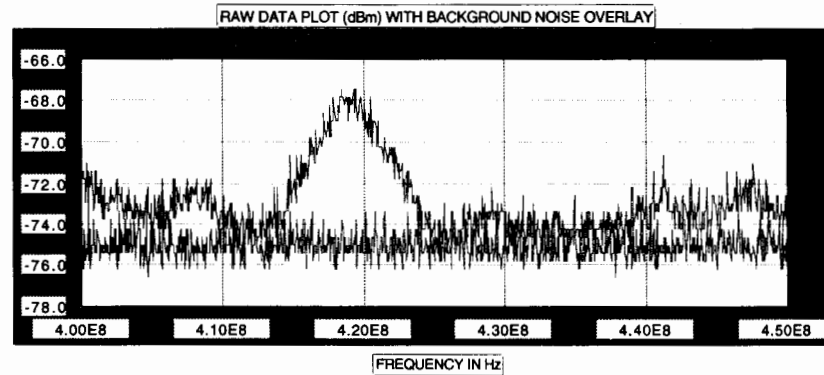
BAND	TX LOC	RX LOC	POLARITY
7	1	2	H

SITE CALIBRATION FILE NAME
MONTANA\SCAL\SCAL11\LLSC4EFRAWDBM7H11SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA\LABVIEW DATA\LLSC1CCRAWDBM7H12

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
8	1	2	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFFRAWDBM8H11SCC

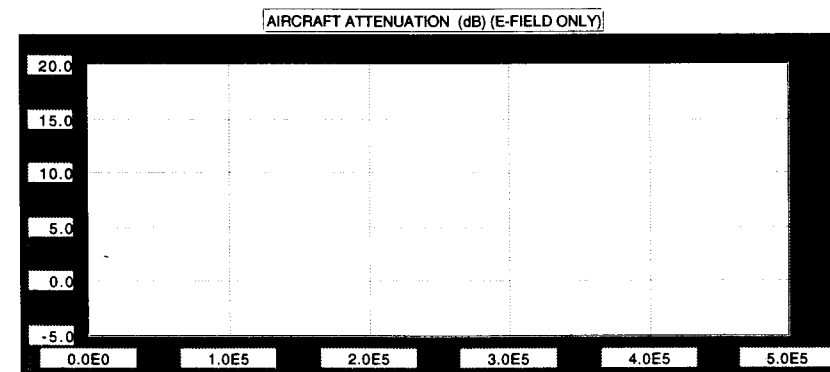
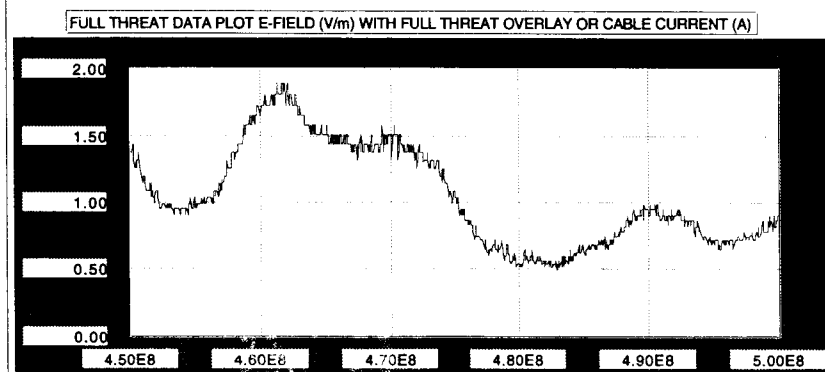
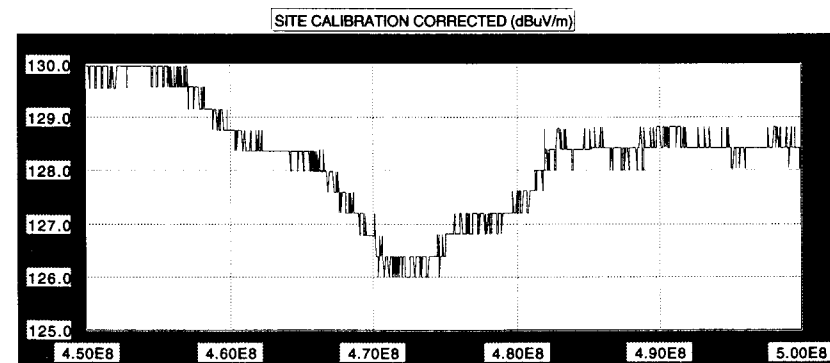
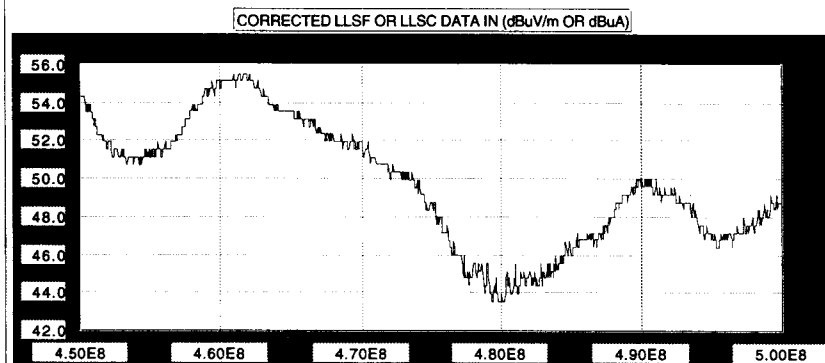
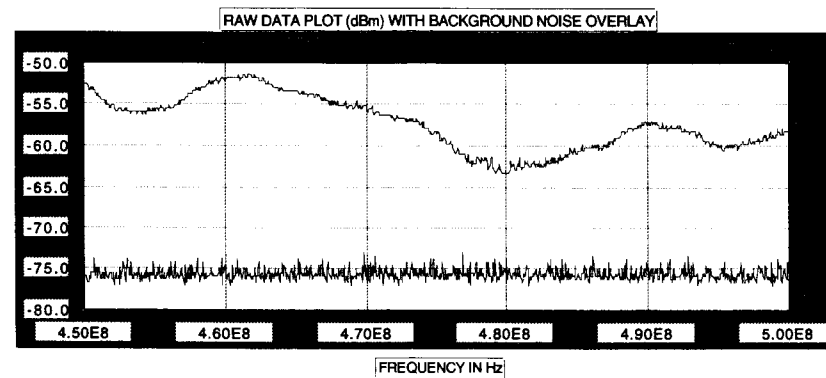
E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM8H12

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



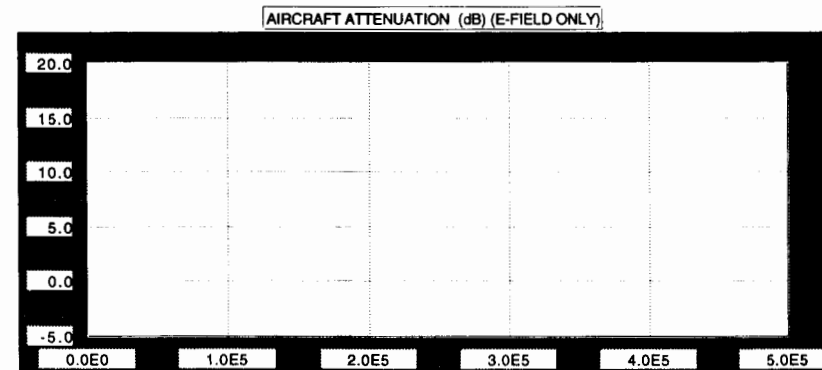
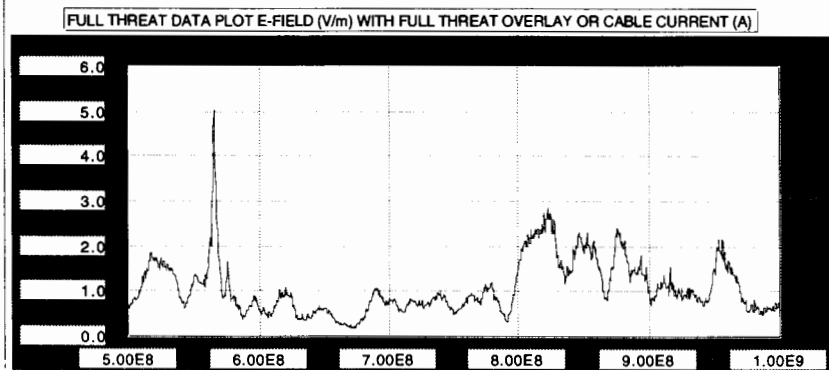
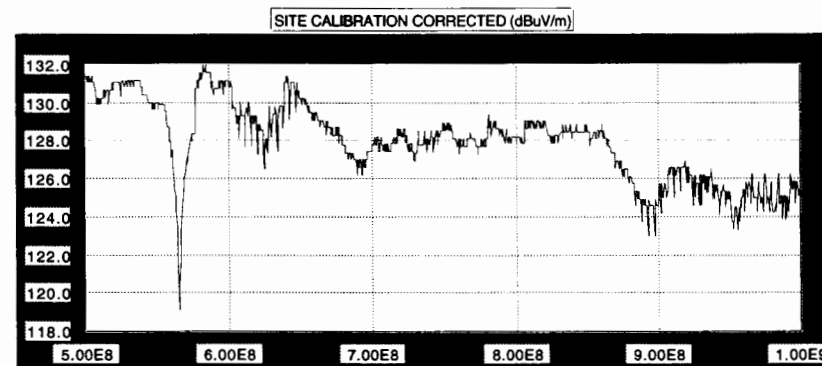
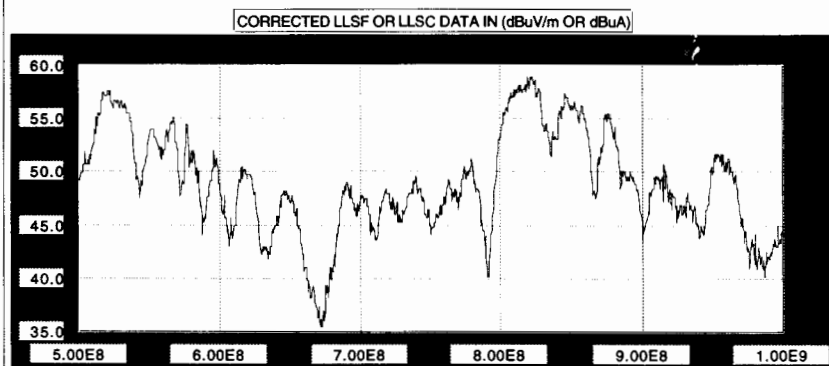
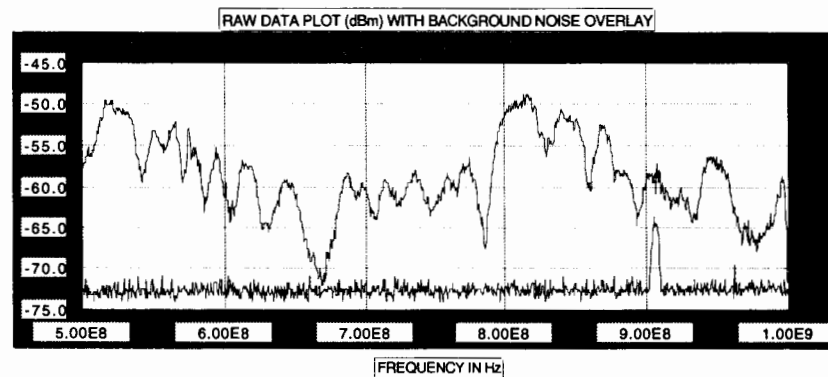
BAND	TX LOC	RX LOC	POLARITY
9	1	2	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM9H11SCC

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM9H12

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND TX LOC RX LOC POLARITY

5 1 1 V

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM5V11SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

  0 0

READ FILE NAME

MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM5V11

MAX ATTENUATION (dB)

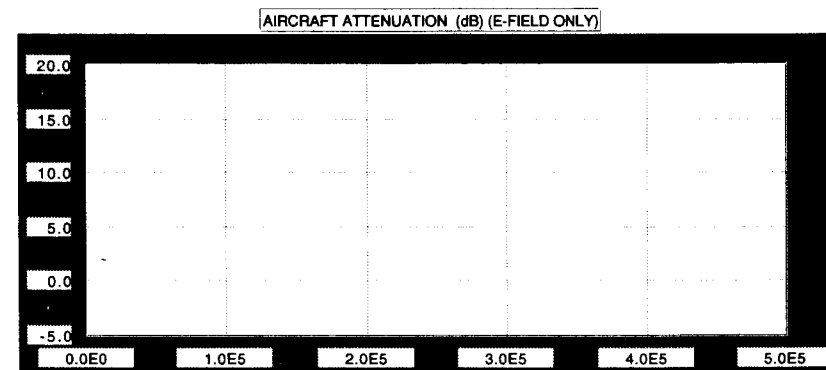
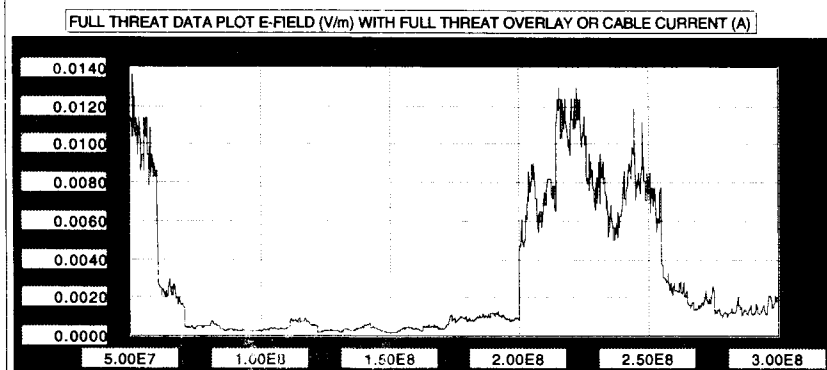
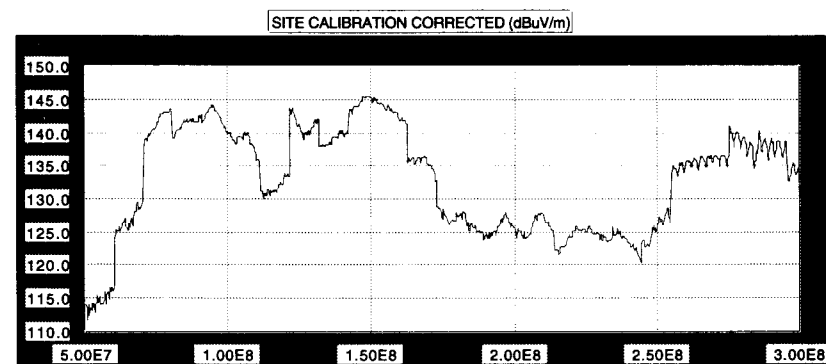
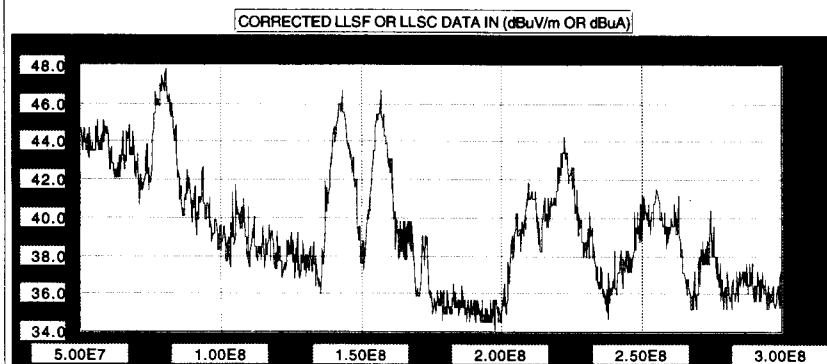
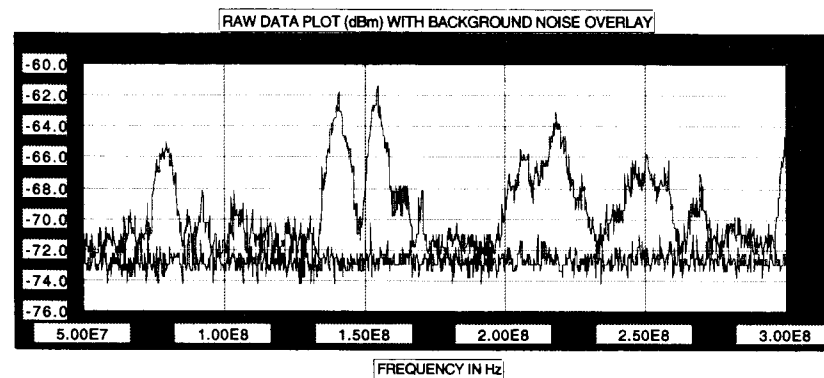
0

MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0



BAND: 6 TX LOC: 1 RX LOC: 1 POLARITY: V

SITE CALIBRATION FILE NAME: MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM6V11SCC

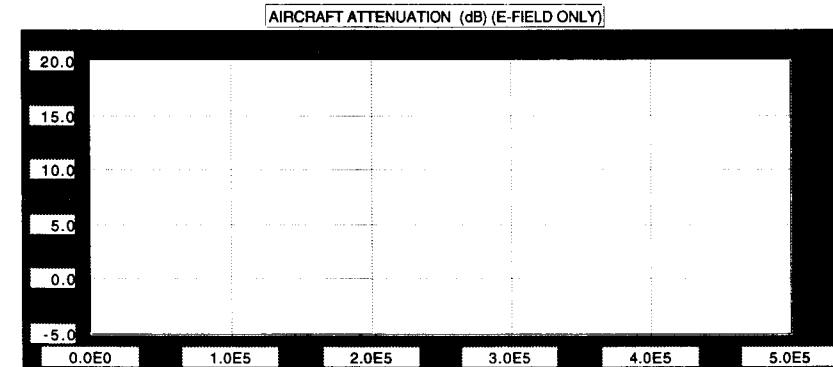
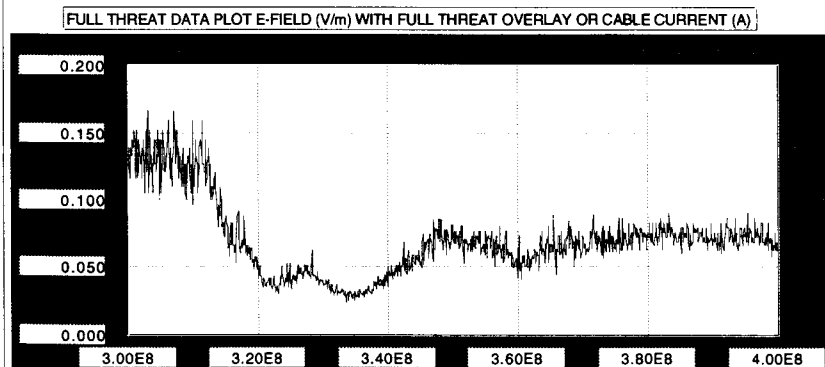
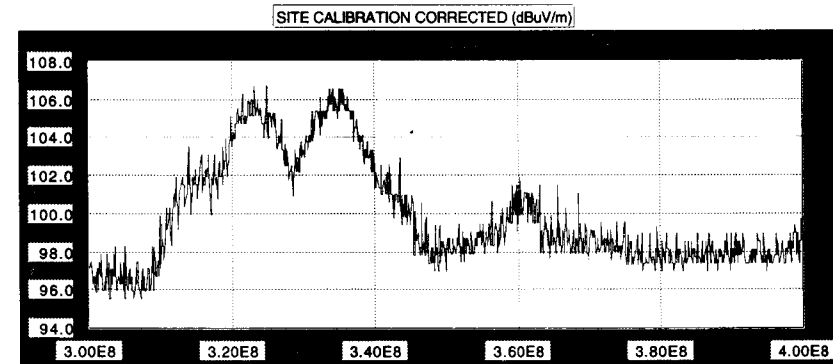
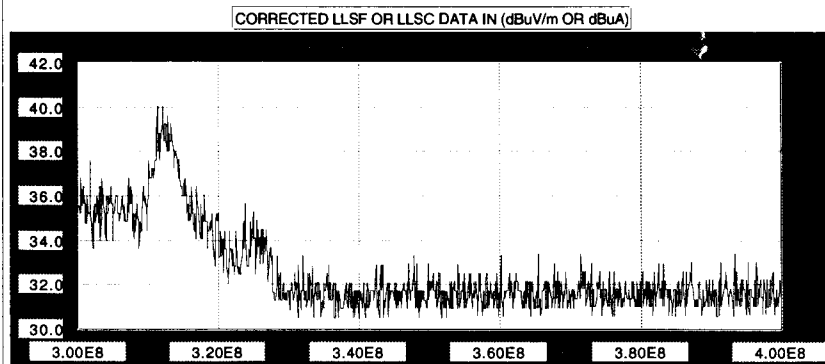
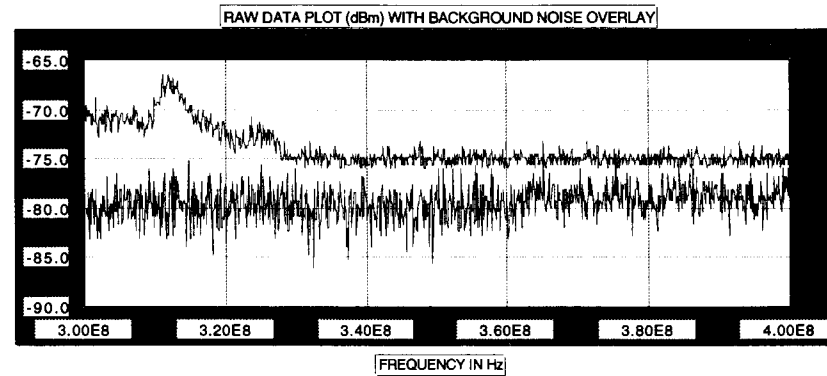
E-FIELD: ☒ FILTER ON/OFF: ☒ FILTER RANK: 0 DISK STATUS: 0

READ FILE NAME: MONTANA:LABVIEW DATA:LLSC1CCRAWDBM6V11

MAX ATTENUATION (dB): 0

MIN ATTENUATION (dB): 0

AVERAGE ATTENUATION (dB): 0

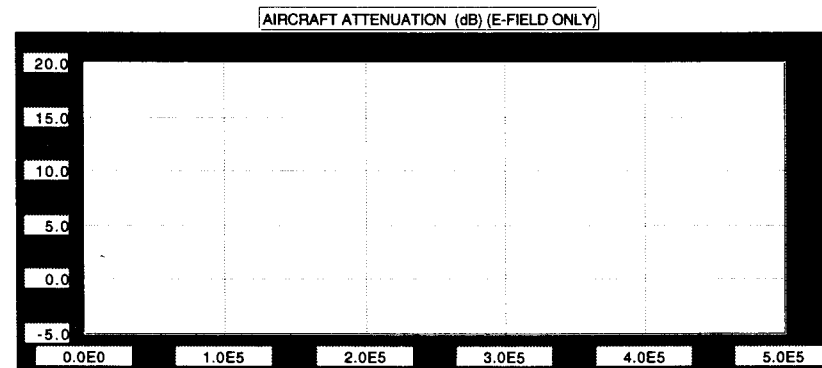
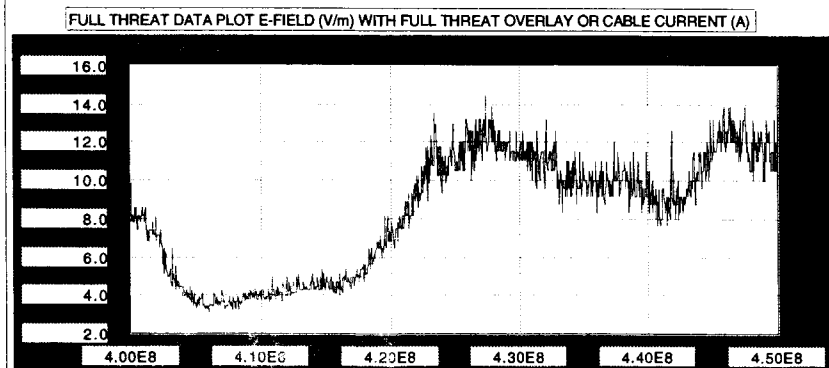
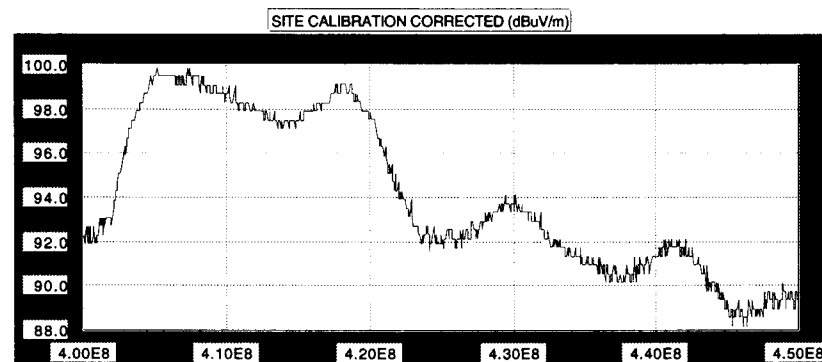
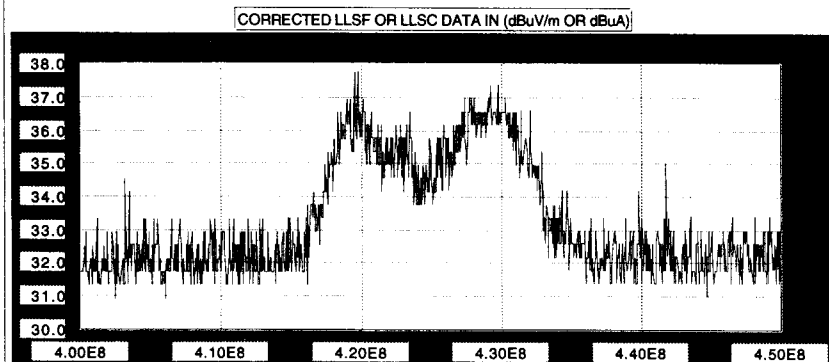
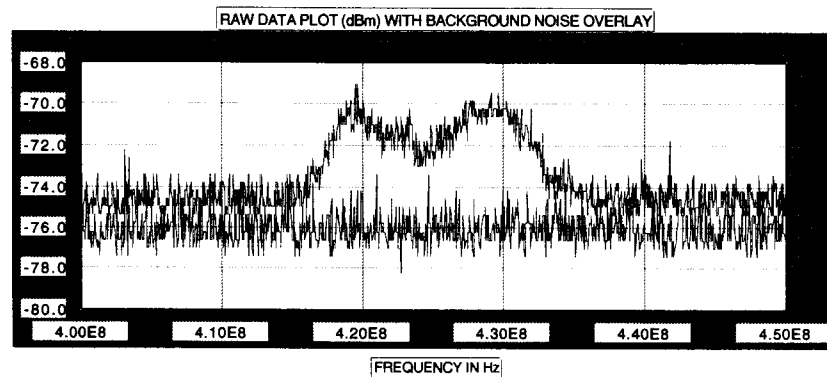


BAND	TX LOC	RX LOC	POLARITY
7	1	2	V

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM7V11SCC
READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM7V12

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



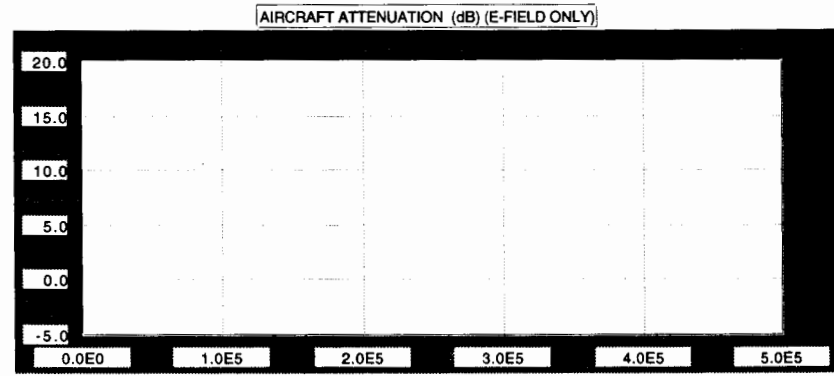
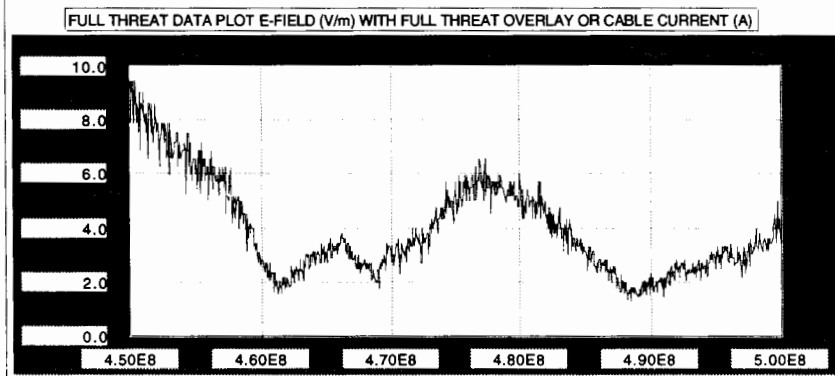
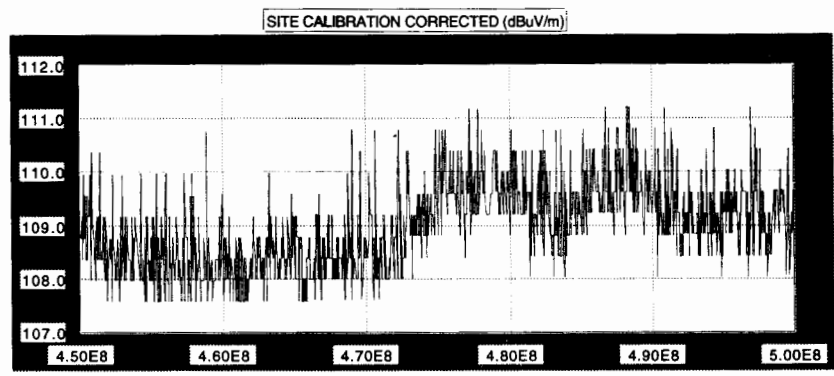
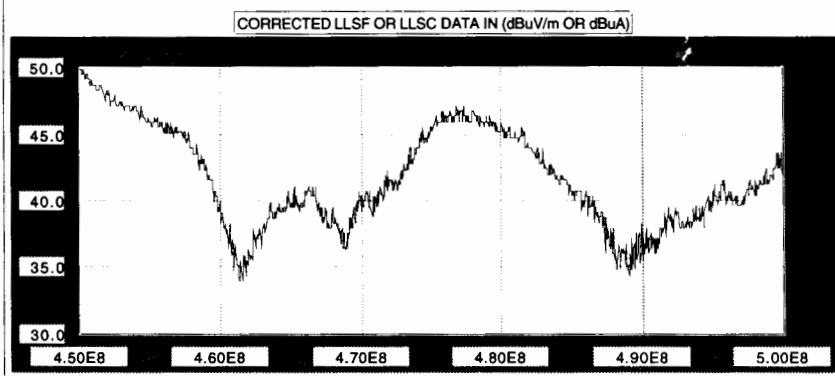
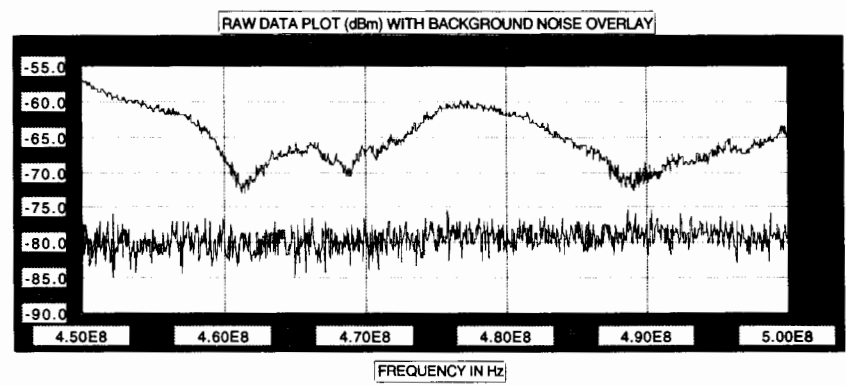
BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☒ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

READ FILE NAME

MAX ATTENUATION (dB)
 MIN ATTENUATION (dB)
 AVERAGE ATTENUATION (dB)



BAND
 TX LOC
 RX LOC
 POLARITY

SITE CALIBRATION FILE NAME

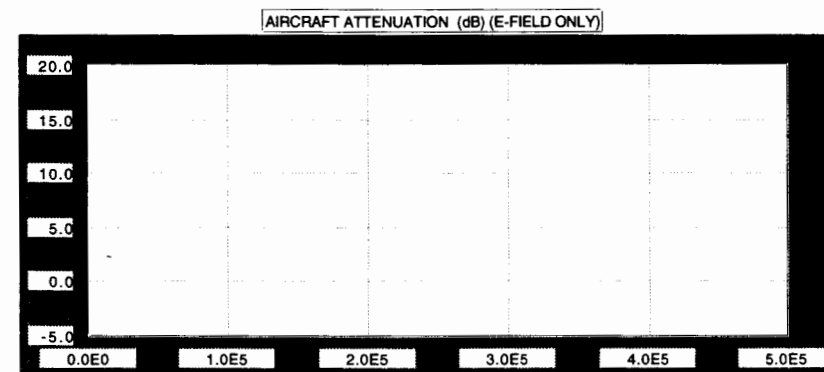
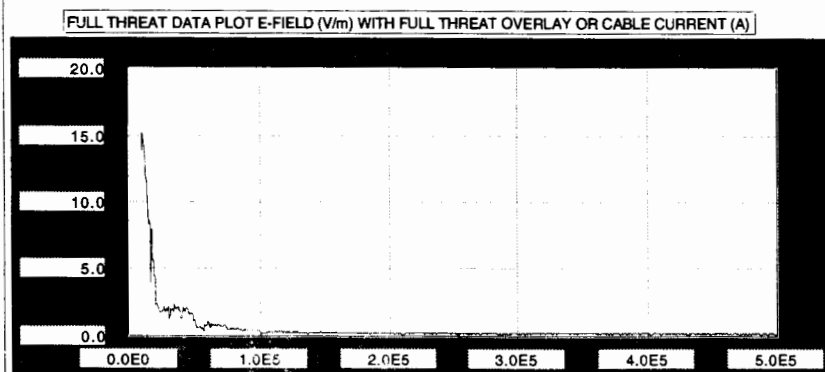
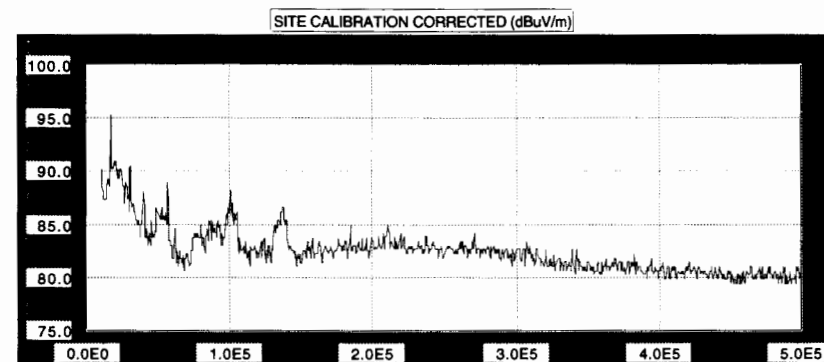
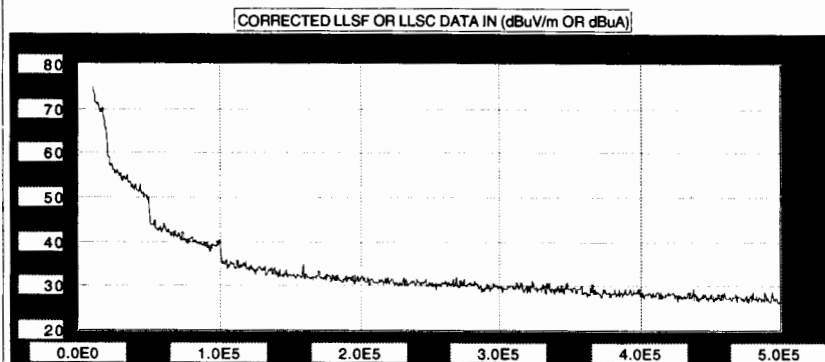
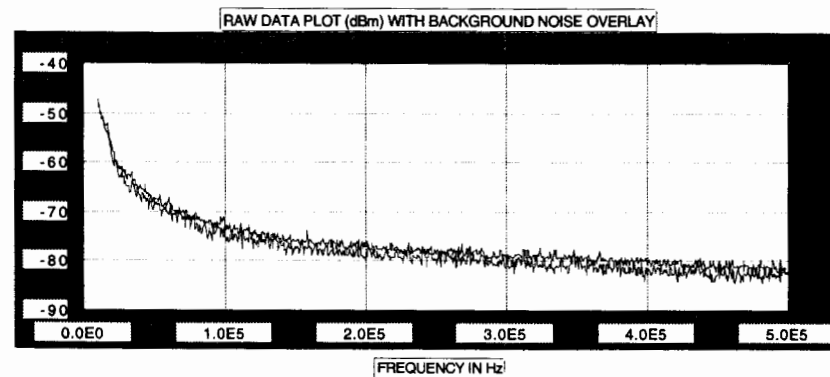
E-FIELD ☐
 FILTER ON/OFF ☐
 FILTER RANK
 DISK STATUS

READ FILE NAME

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)



BAND
 TX LOC
 RX LOC
 POLARITY

SITE CALIBRATION FILE NAME

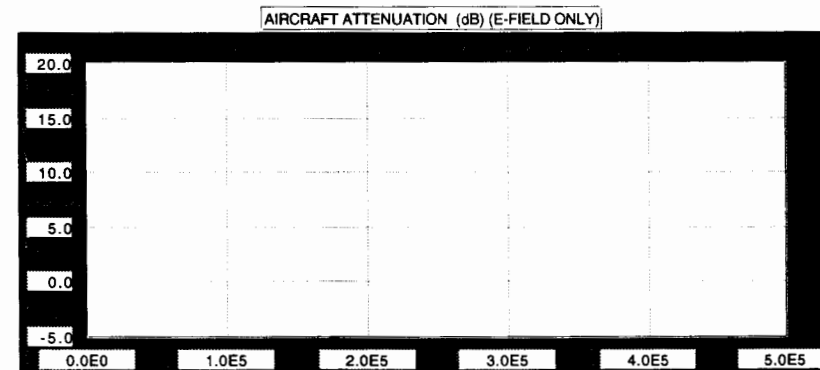
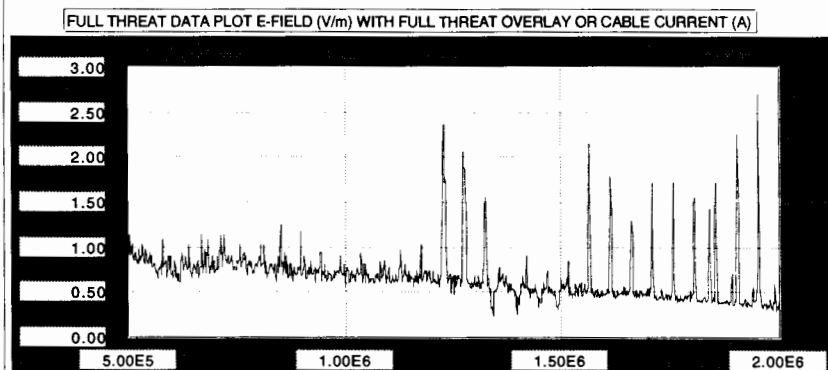
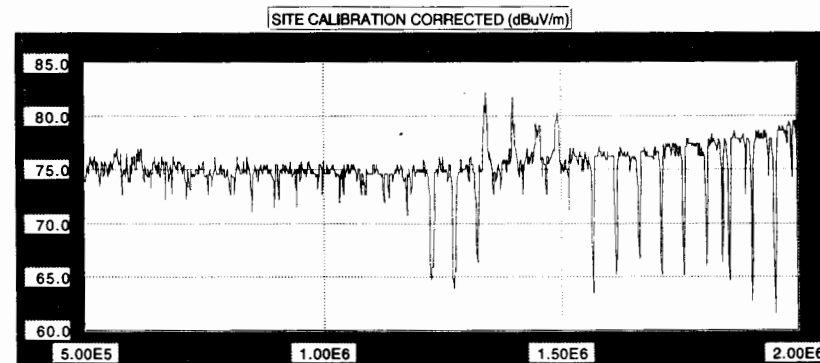
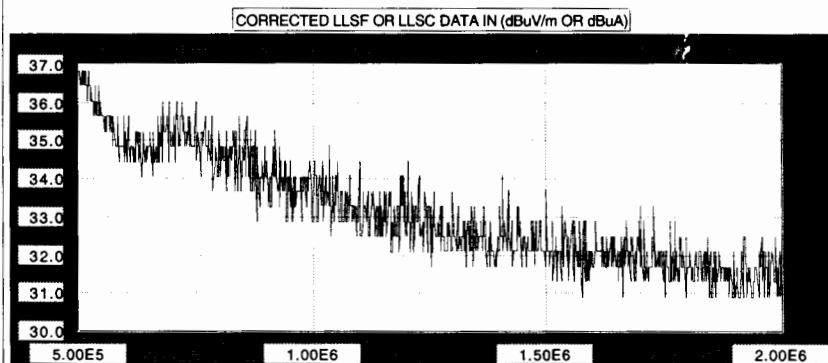
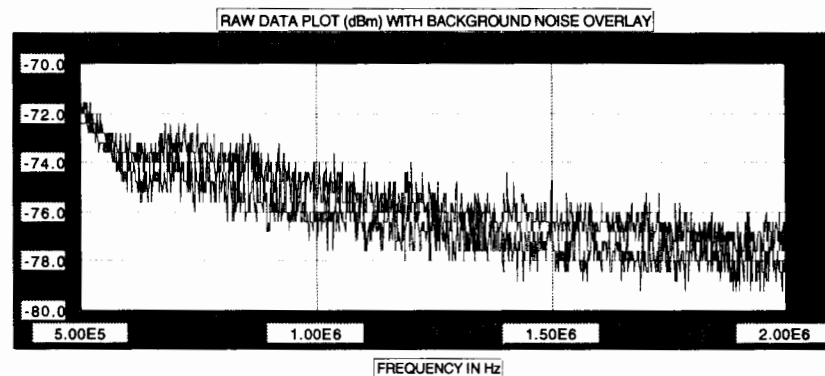
E-FIELD ☒
 FILTER ON/OFF ☒
 FILTER RANK
 DISK STATUS

READ FILE NAME

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)



BAND	TX LOC	RX LOC	POLARITY
3	2	1	H

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

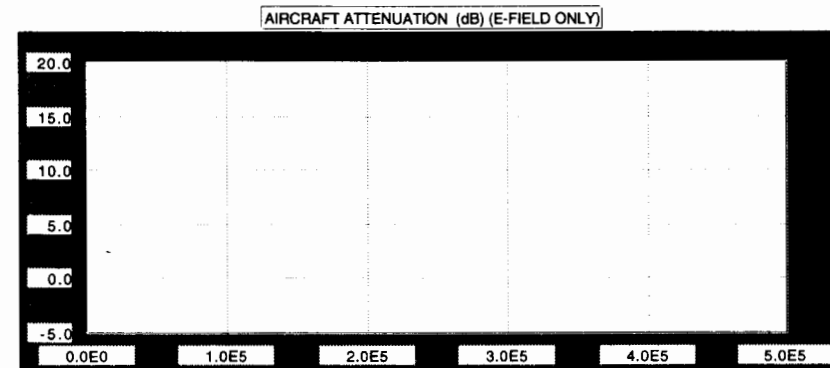
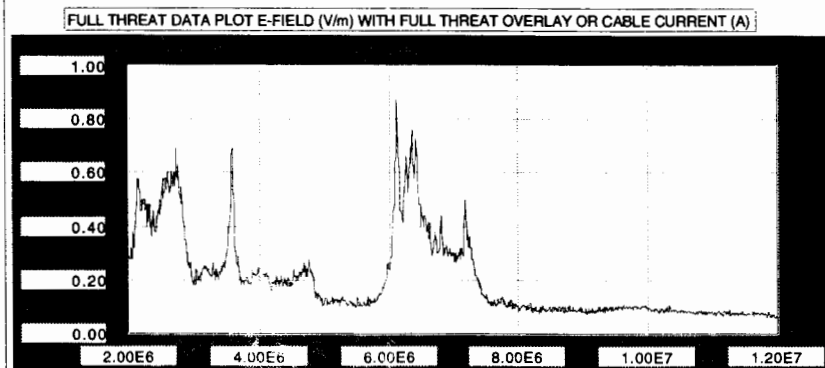
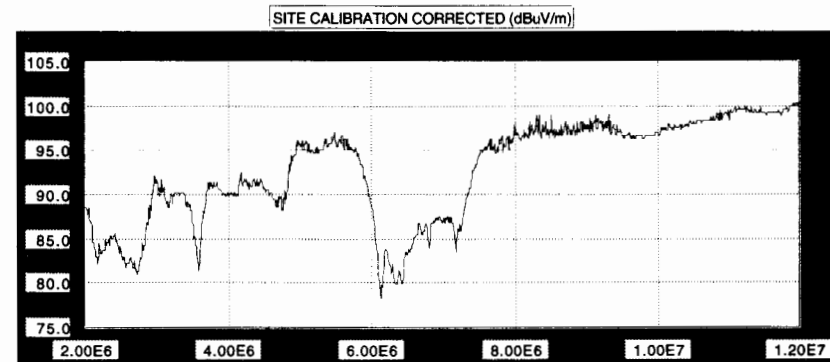
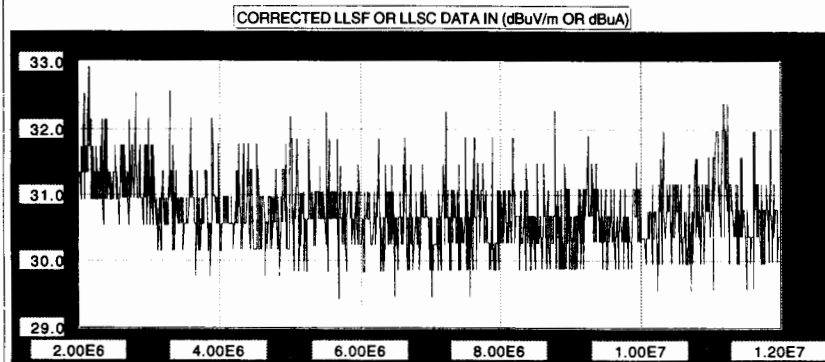
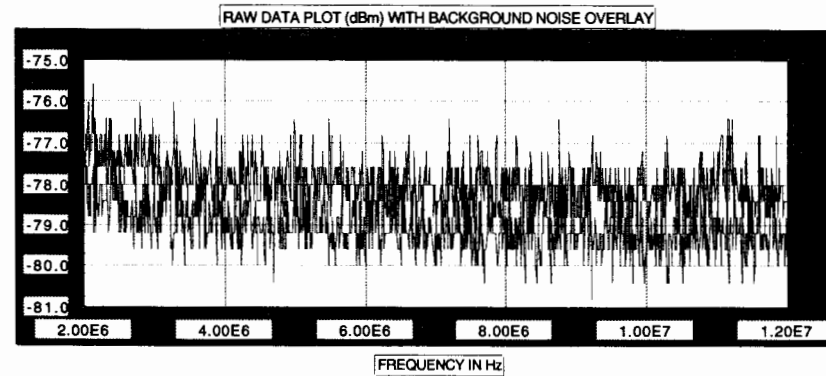
E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM3H21

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



BAND TX LOC RX LOC POLARITY

4 2 1 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM4H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

☒ ☒ 0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM4H21

MAX ATTENUATION (dB)

0

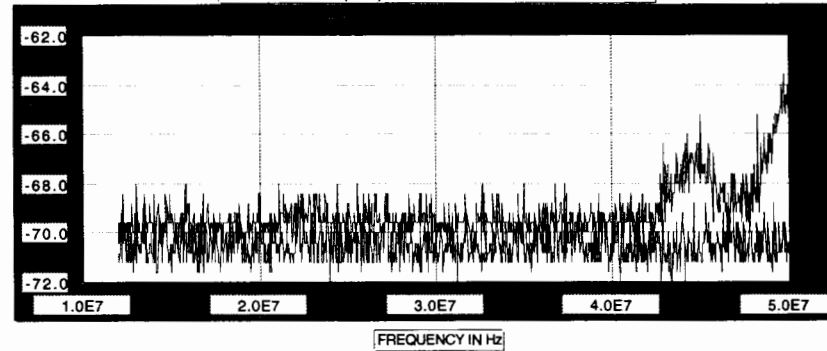
MIN ATTENUATION (dB)

0

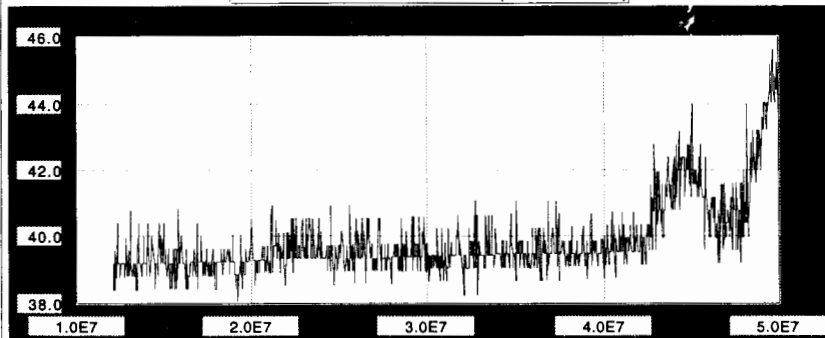
AVERAGE ATTENUATION (dB)

0

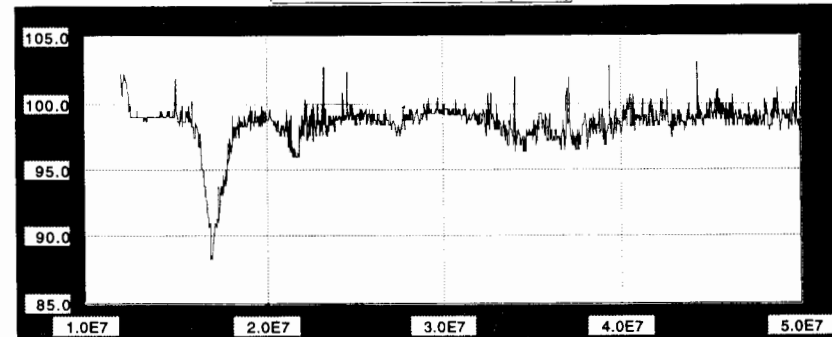
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



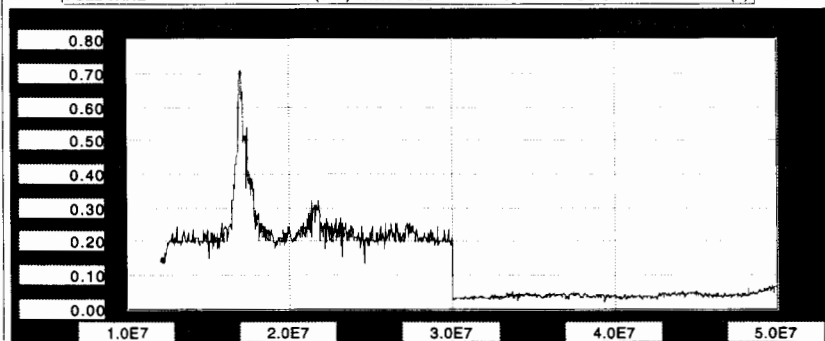
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



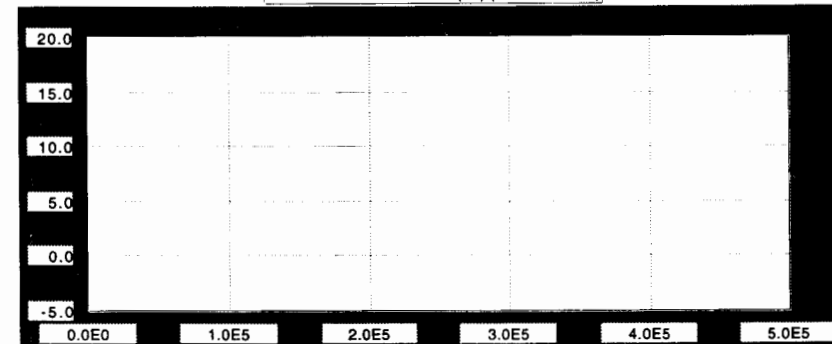
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☒ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

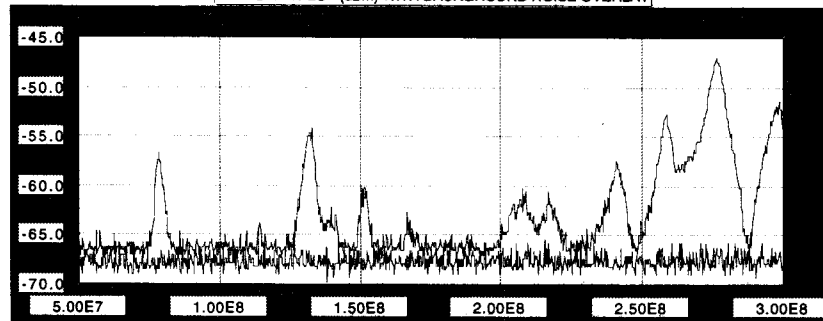
READ FILE NAME

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

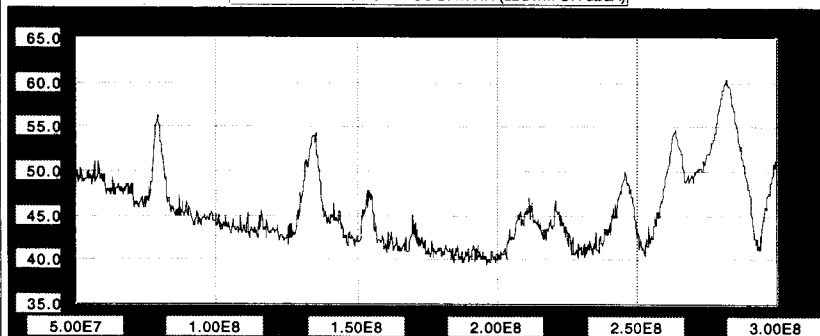
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

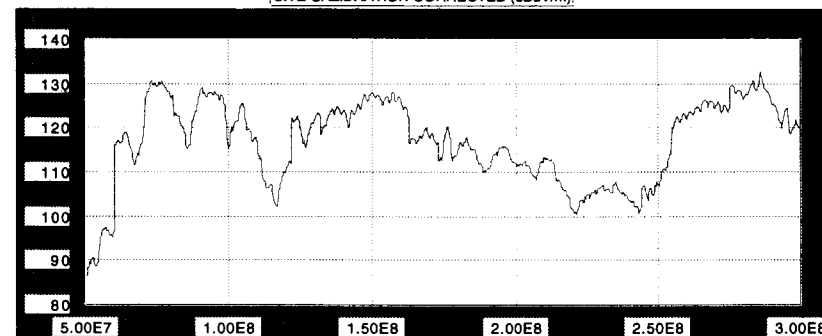


FREQUENCY IN Hz

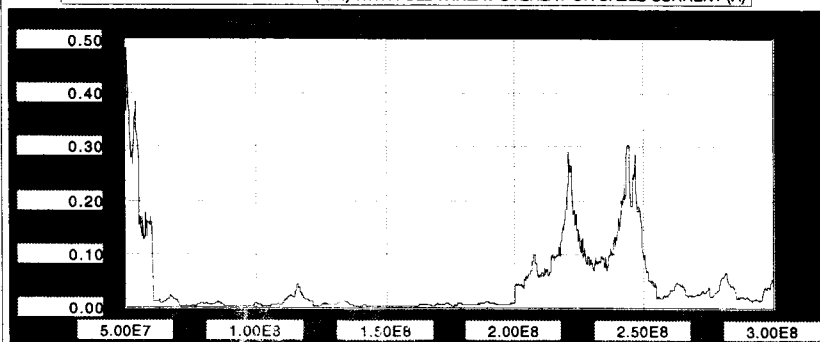
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



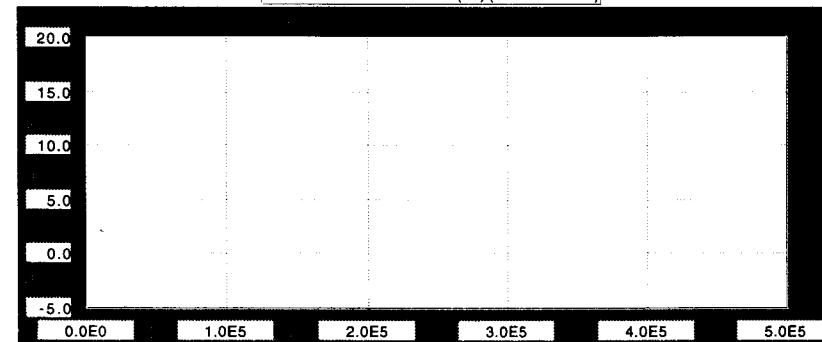
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND
 TX LOC
 RX LOC
 POLARITY

SITE CALIBRATION FILE NAME

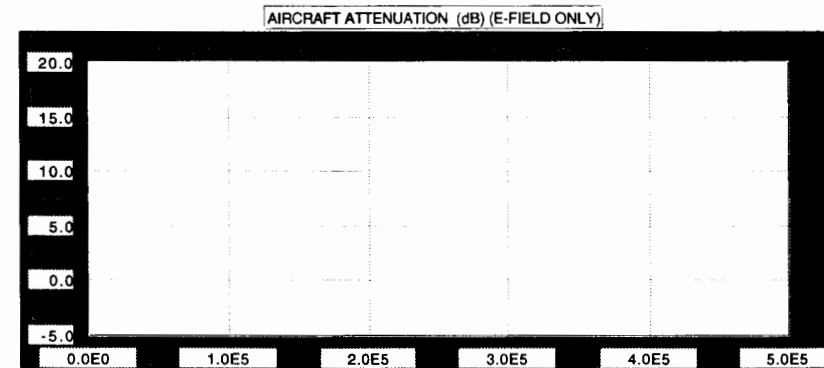
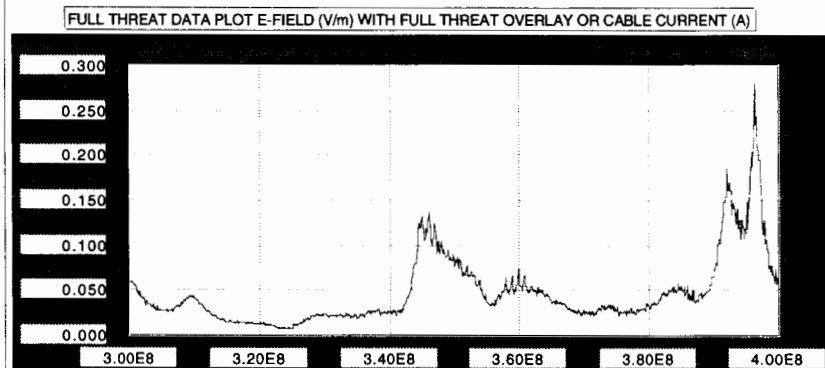
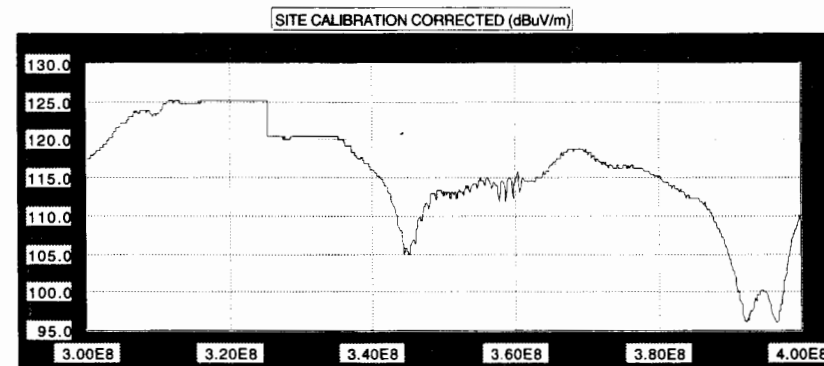
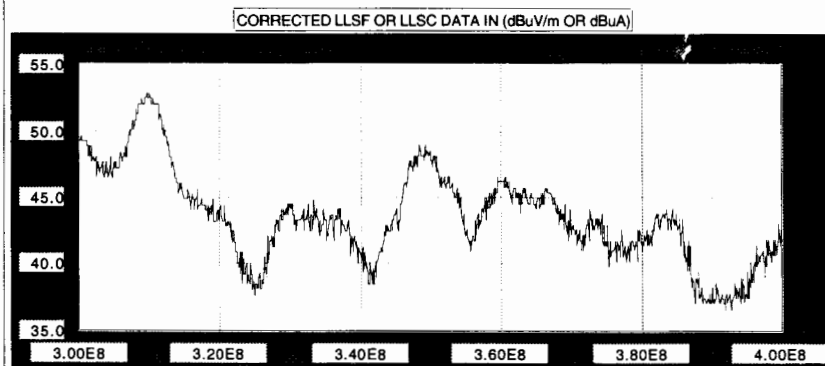
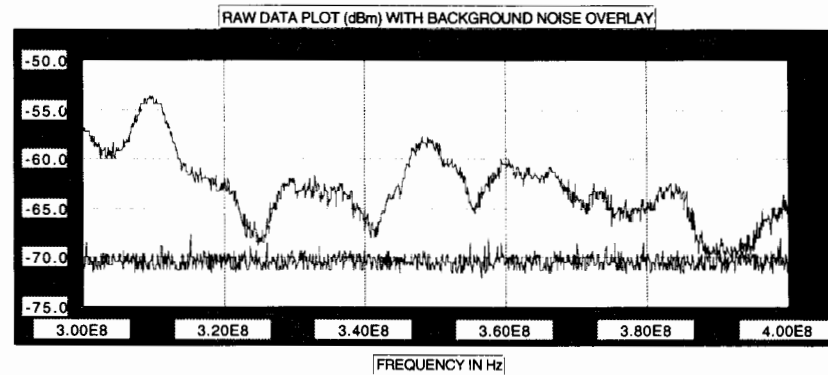
E-FIELD ☒
 FILTER ON/OFF ☒
 FILTER RANK
 DISK STATUS

READ FILE NAME

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)



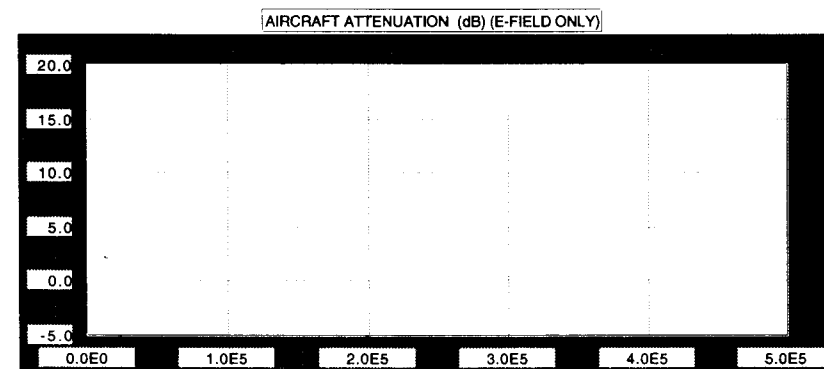
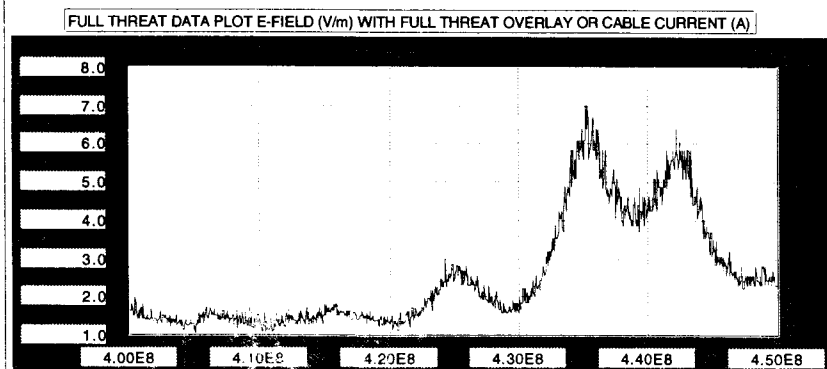
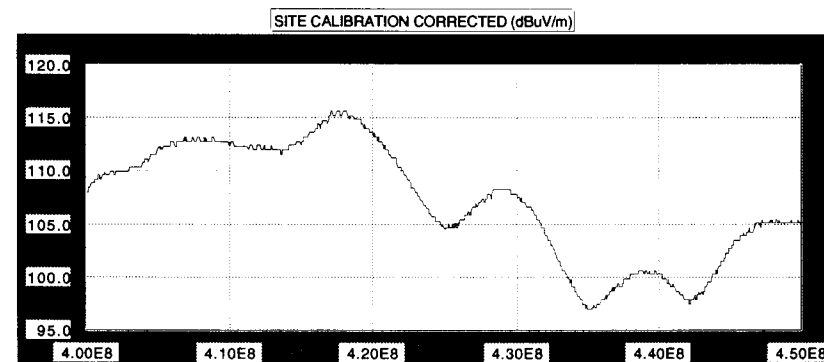
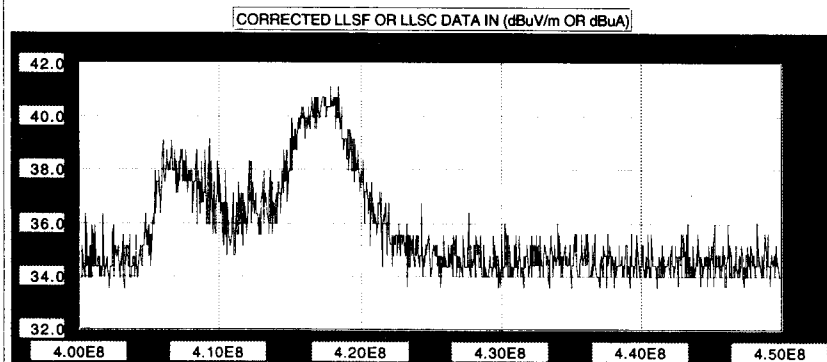
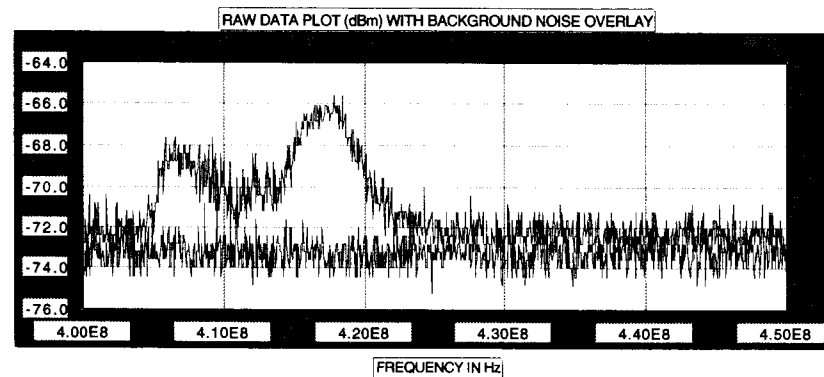
BAND	TX LOC	RX LOC	POLARITY
7	2	2	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM7H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM7H22

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



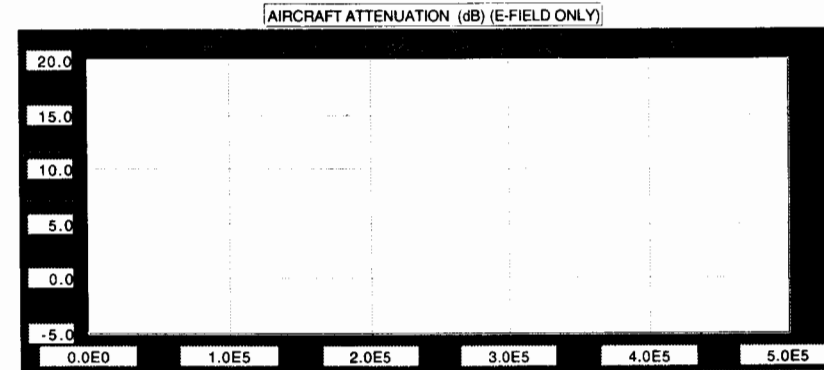
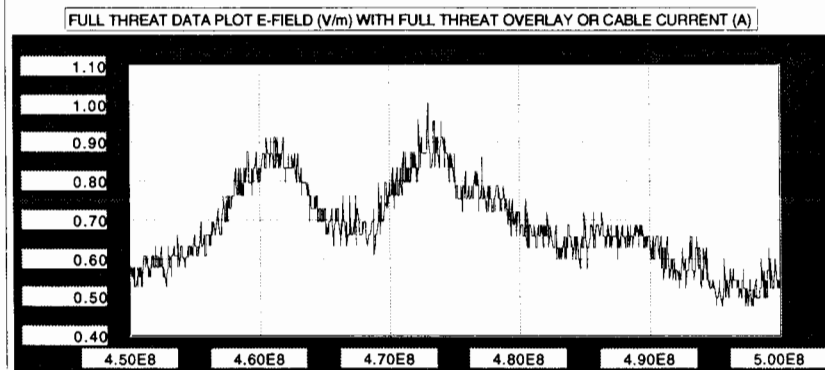
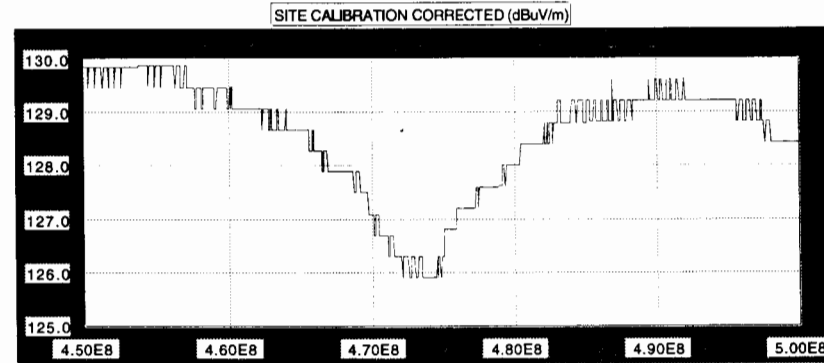
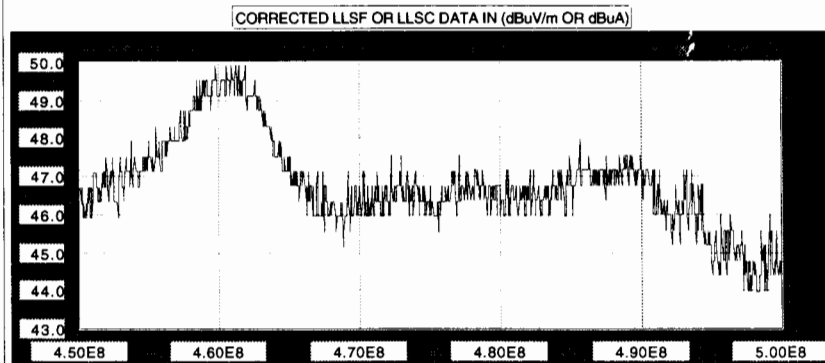
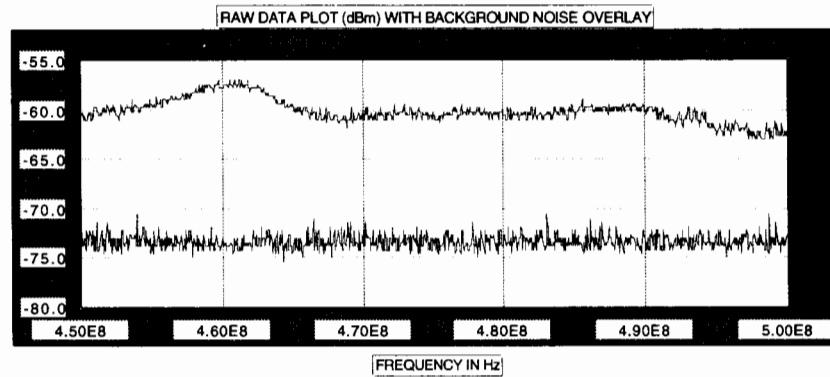
BAND	TX LOC	RX LOC	POLARITY
8	2	2	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM8H22

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
9	2	2	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM9H21SCC

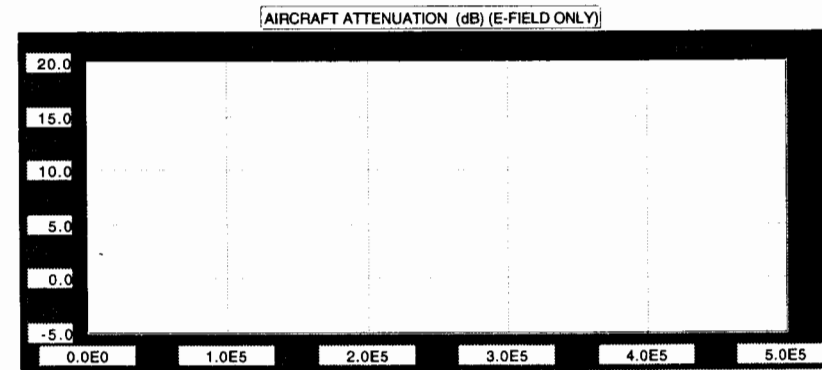
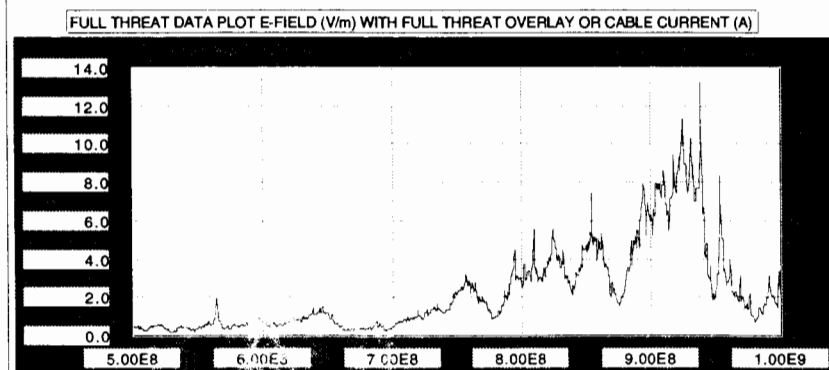
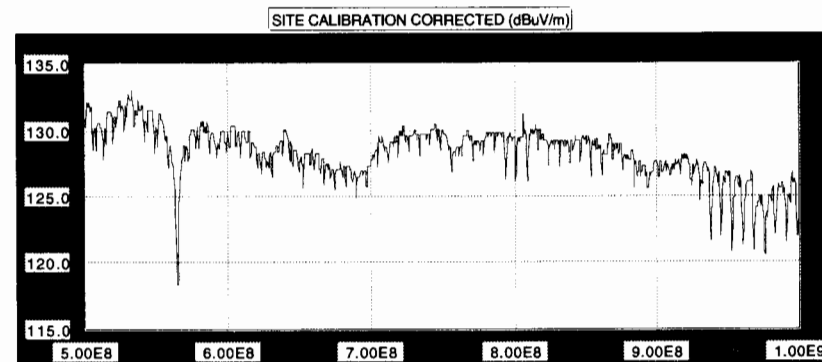
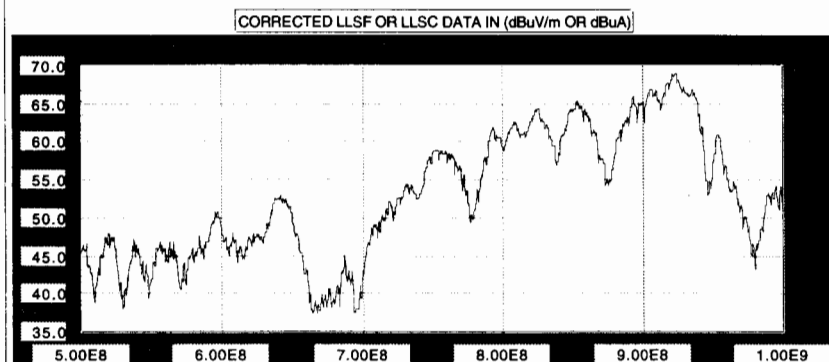
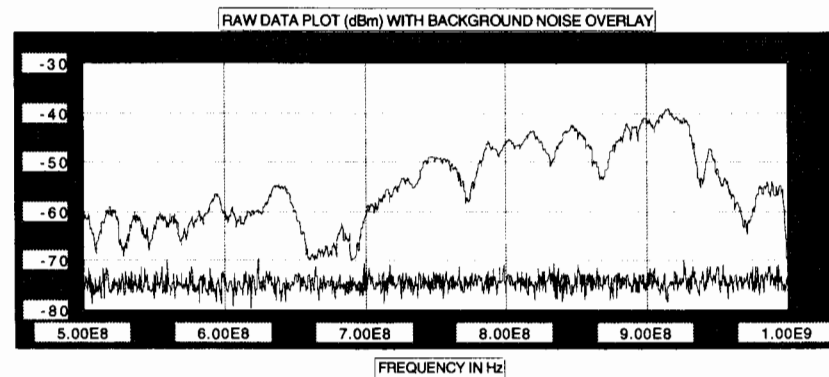
E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM9H22

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



SECTION 2-2
CO-PILOT DISPLAY UNIT LLSC DATA PLOTS

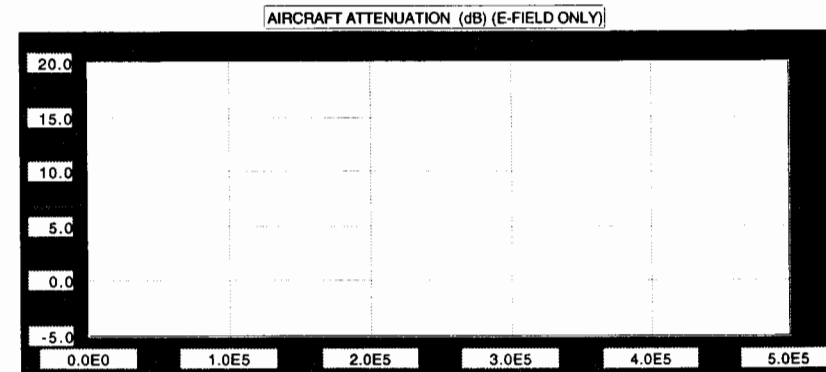
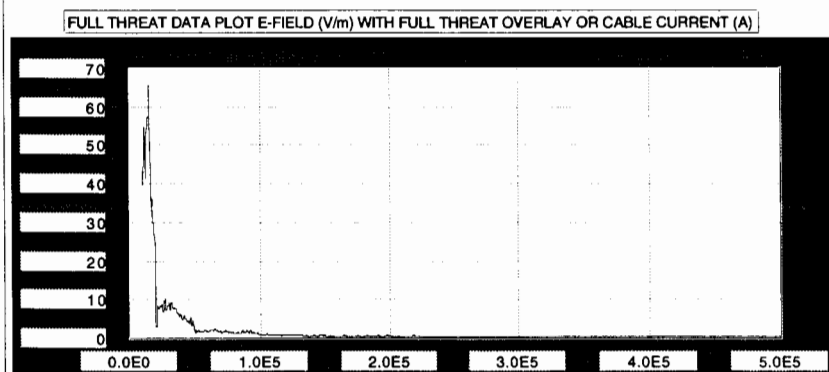
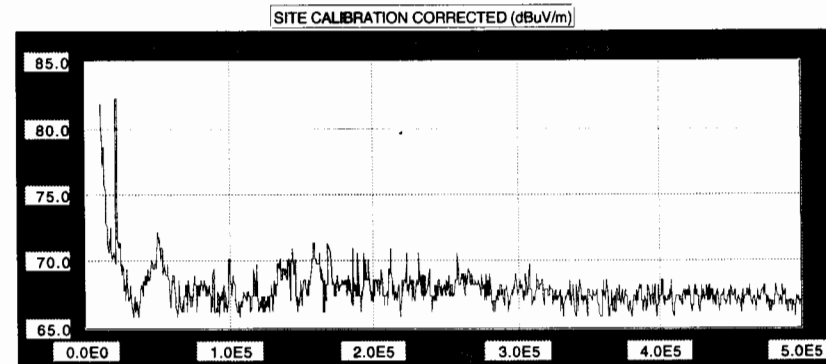
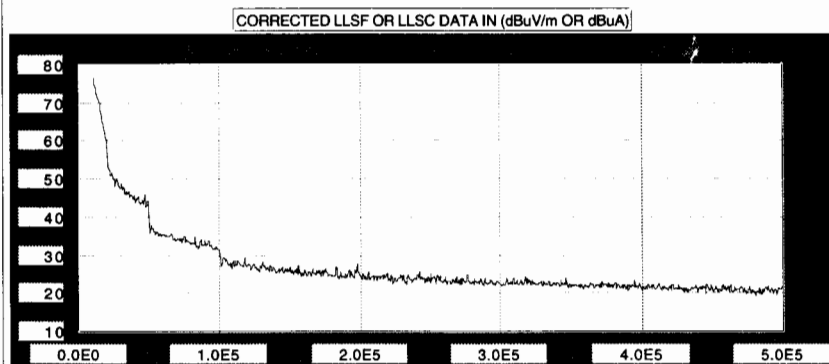
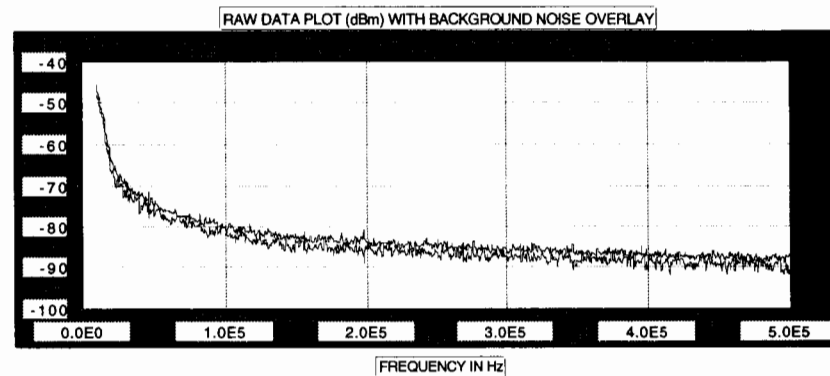
BAND	TX LOC	RX LOC	POLARITY
1	1	2	H

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM1H11SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM1H12

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND TX LOC RX LOC POLARITY

2 1 2 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM2H11SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

  0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM2H12

MAX ATTENUATION (dB)

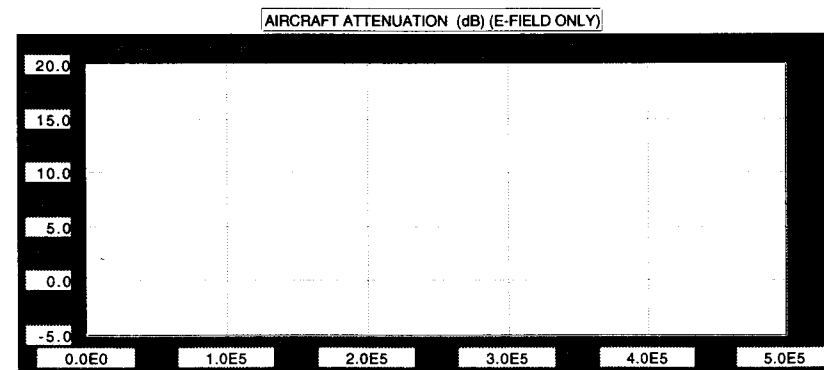
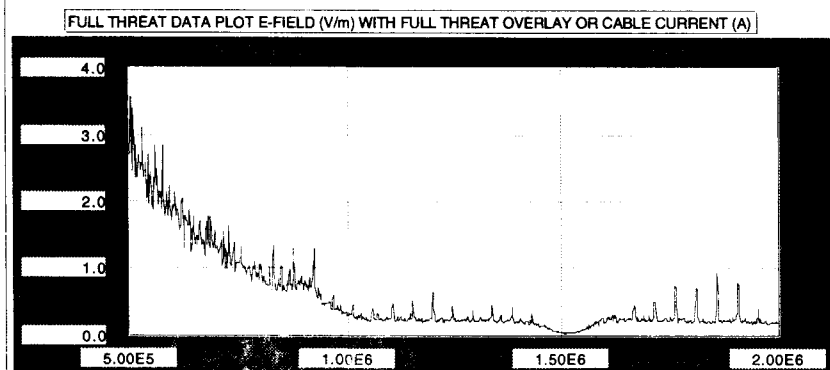
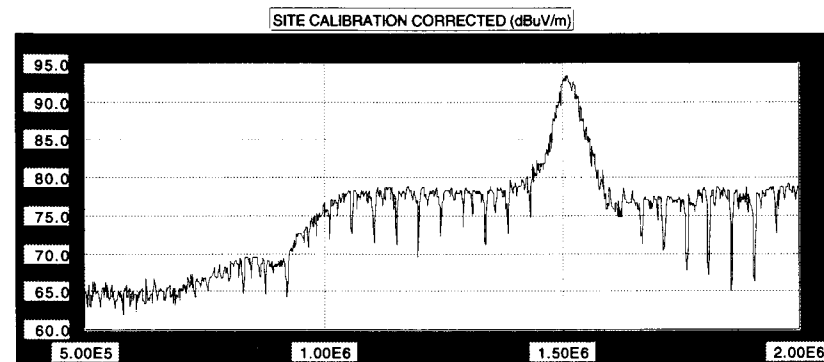
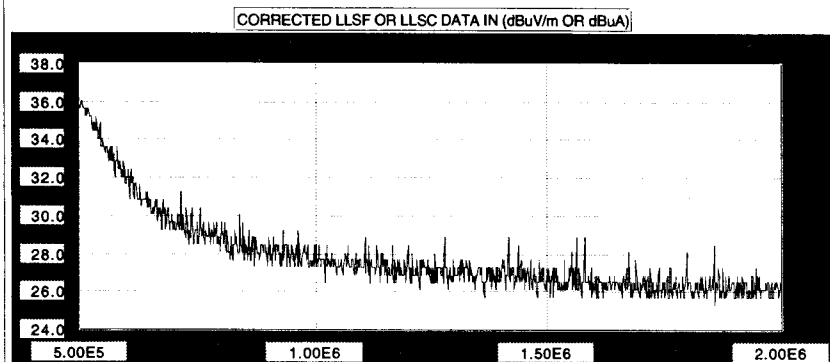
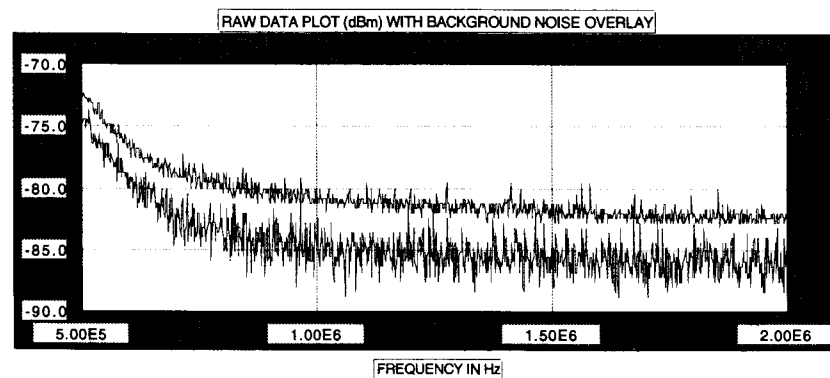
0

MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0



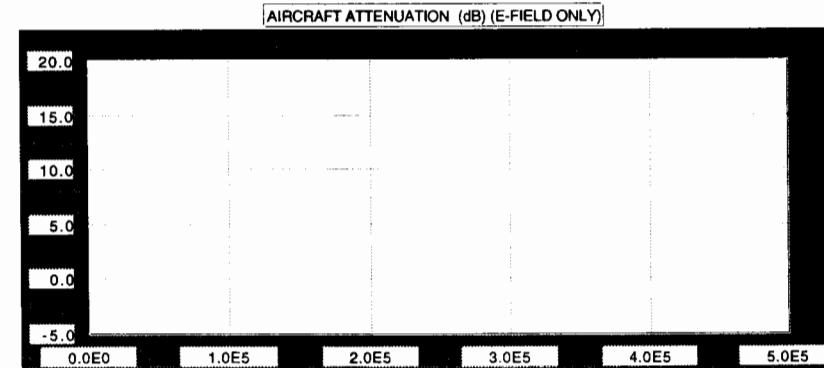
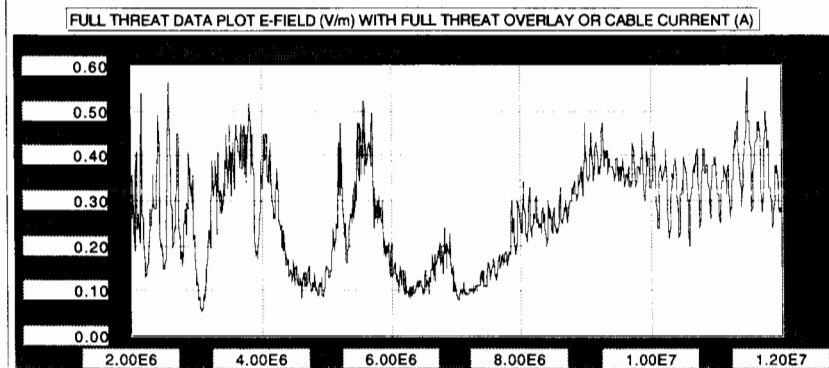
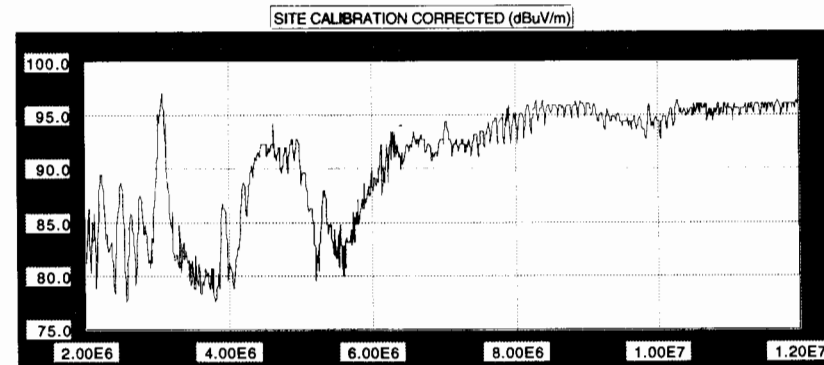
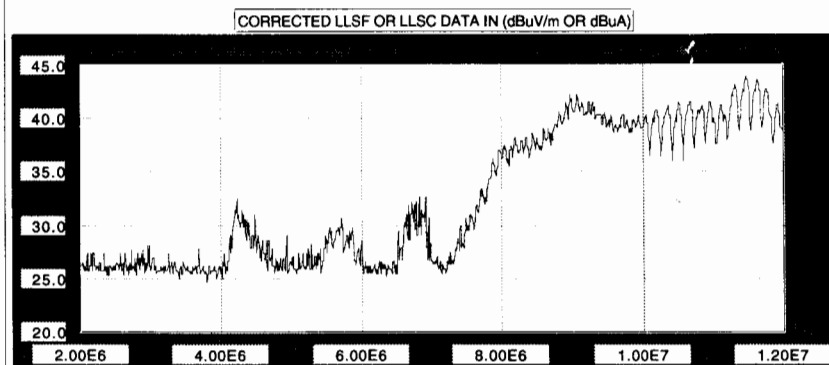
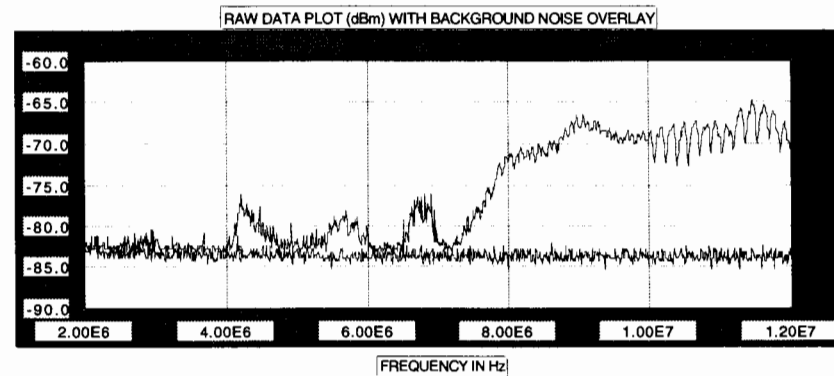
BAND	TX LOC	RX LOC	POLARITY
3	1	2	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM3H11SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM3H12

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND
 TX LOC
 RX LOC
 POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☒
 FILTER ON/OFF ☒
 FILTER RANK
 DISK STATUS

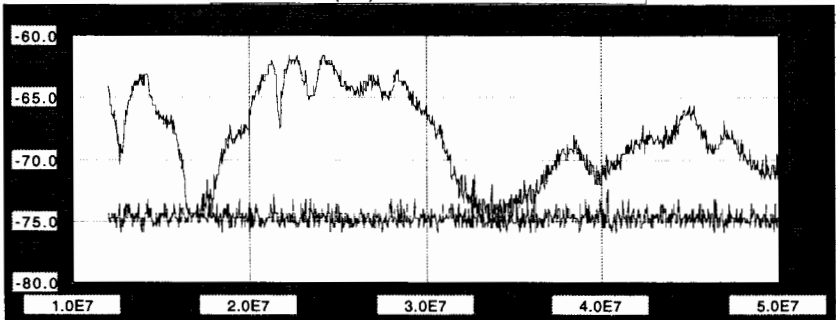
READ FILE NAME

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

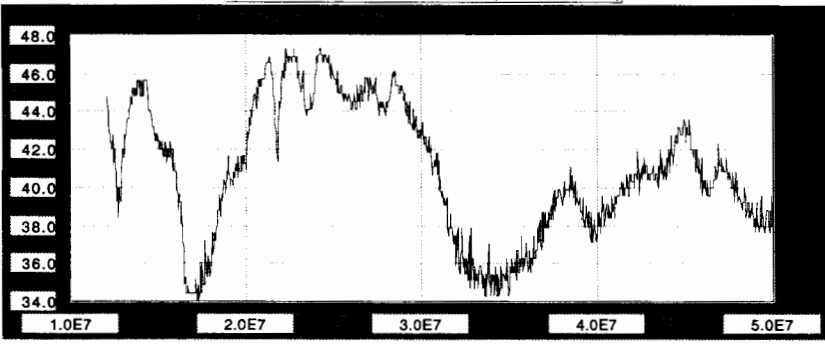
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

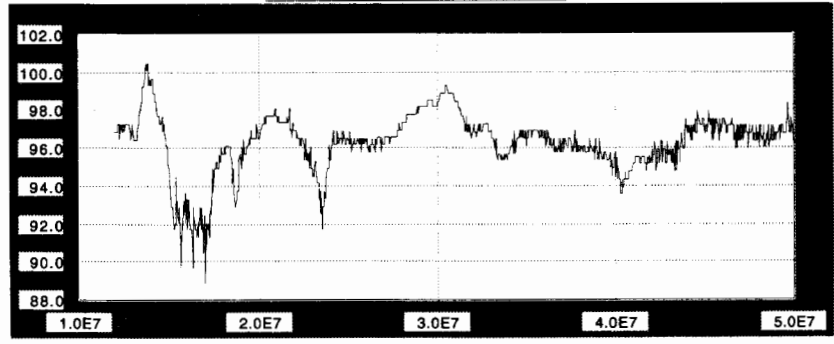


FREQUENCY IN Hz

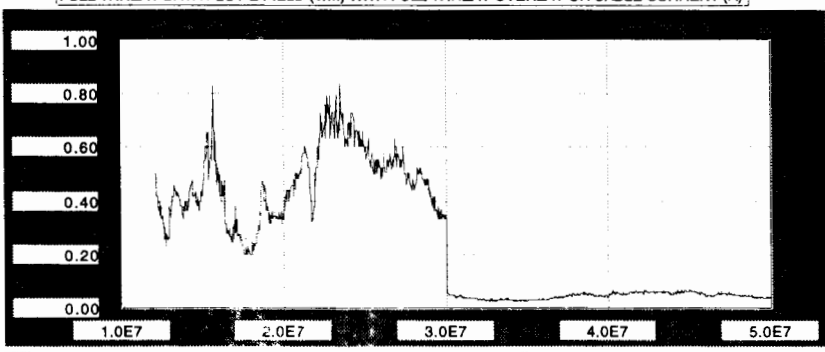
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



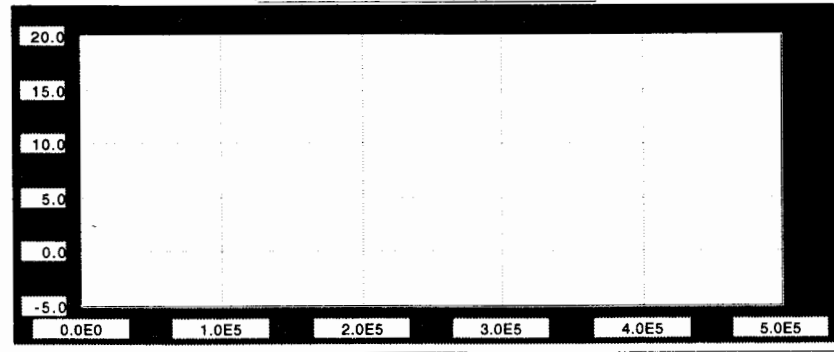
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



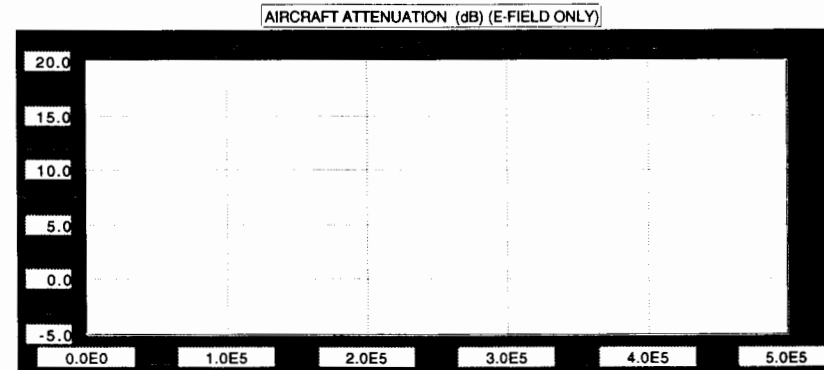
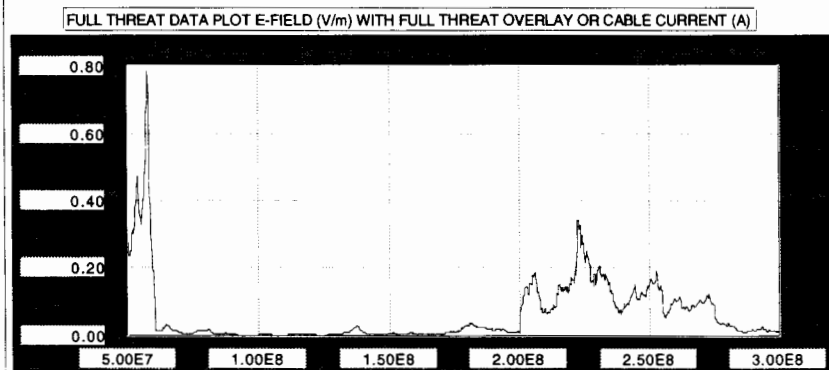
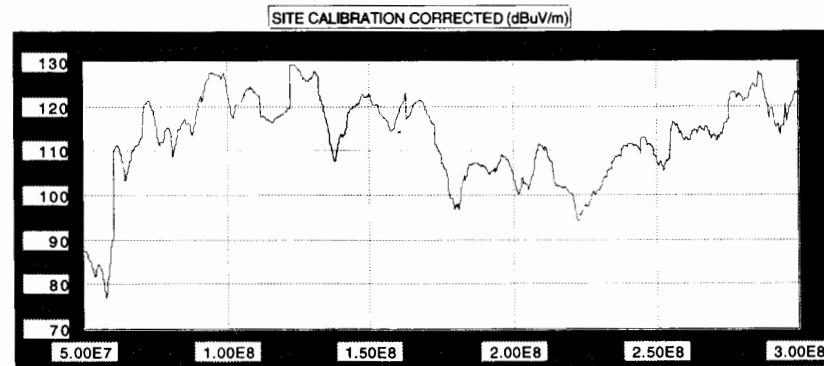
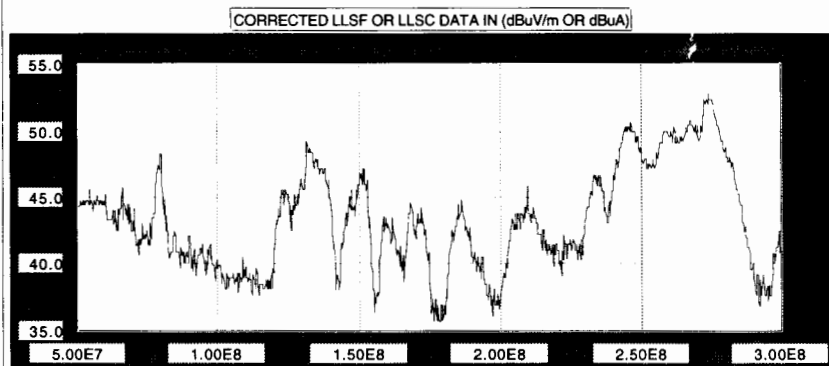
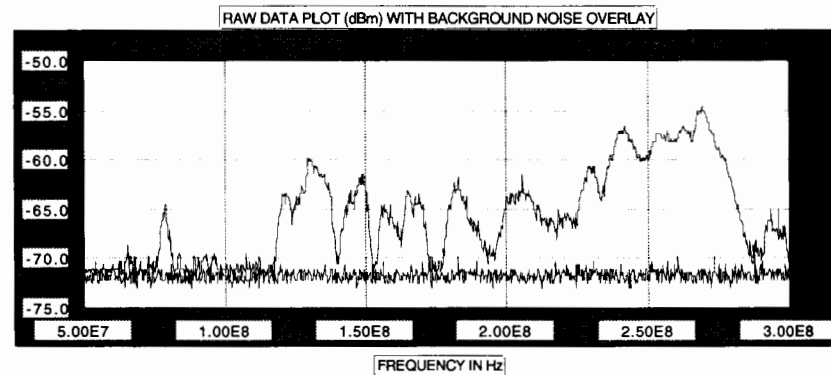
BAND	TX LOC	RX LOC	POLARITY
5	1	2	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM5H11SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM5H12

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



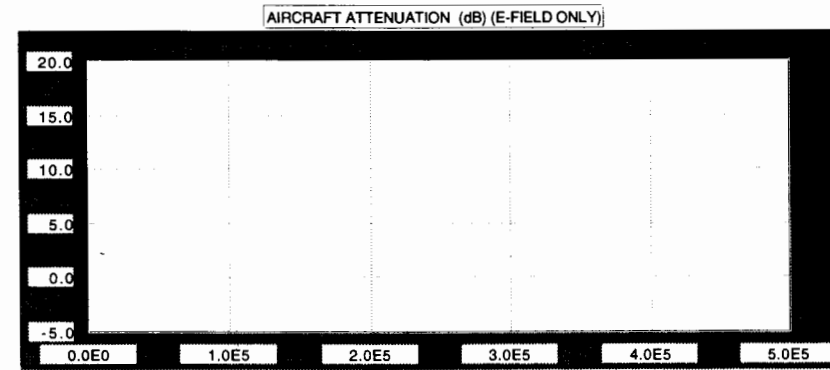
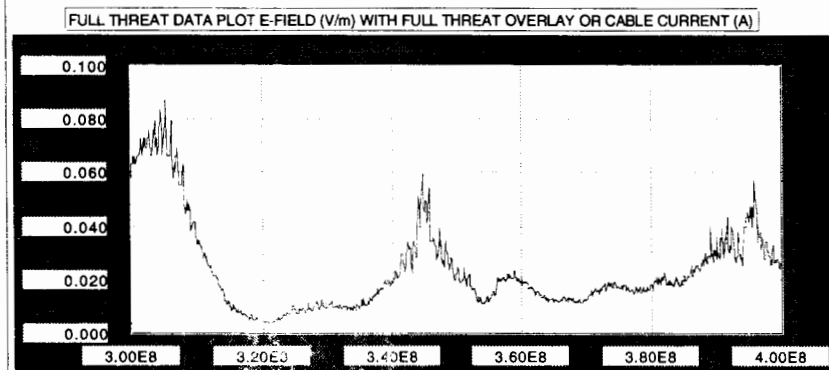
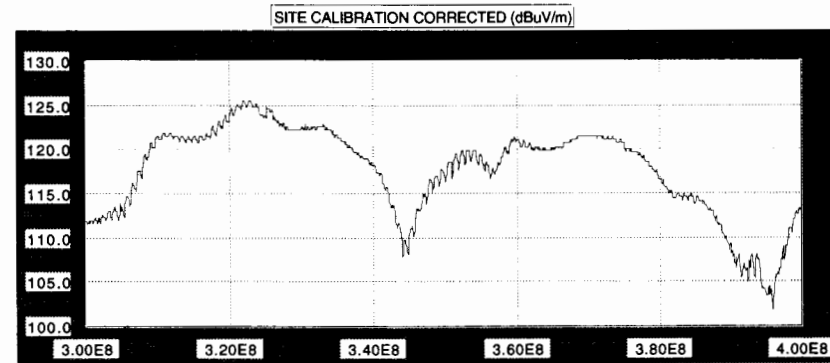
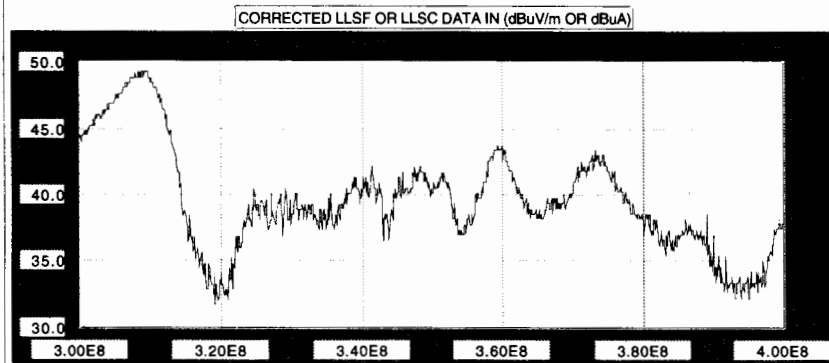
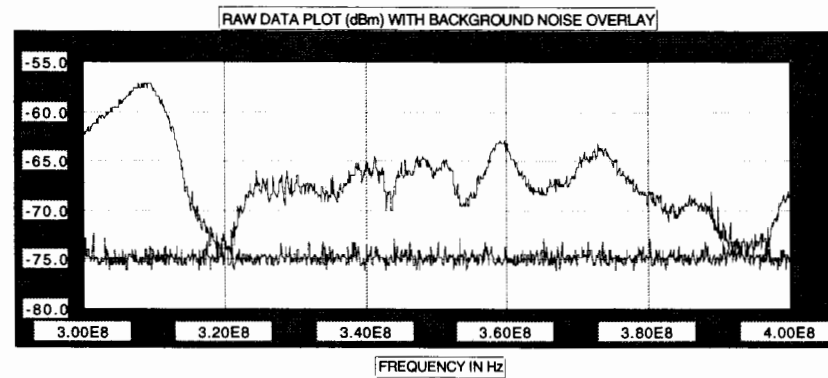
BAND: 6 TX LOC: 1 RX LOC: 2 POLARITY: H

SITE CALIBRATION FILE NAME: MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM6H11SCC

E-FIELD: ☒ FILTER ON/OFF: ☒ FILTER RANK: 0 DISK STATUS: 0

READ FILE NAME: MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM6H12

MAX ATTENUATION (dB): 0
MIN ATTENUATION (dB): 0
AVERAGE ATTENUATION (dB): 0



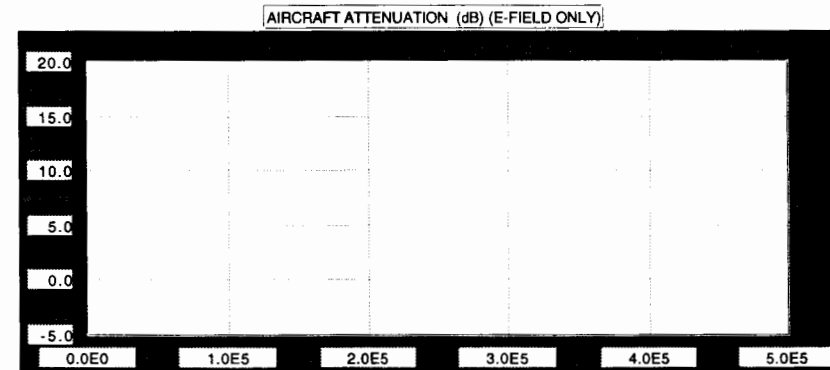
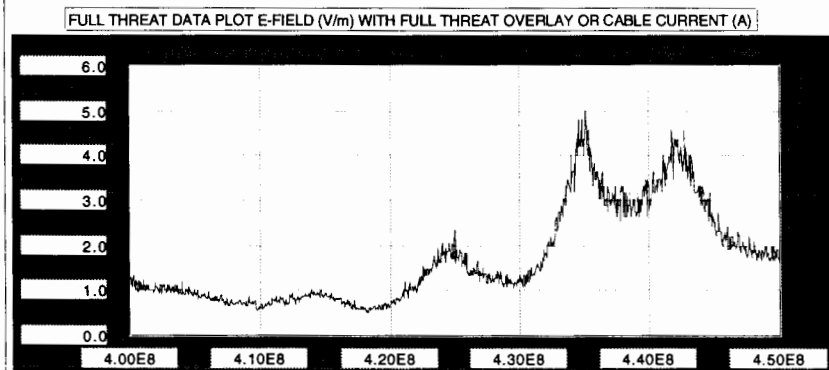
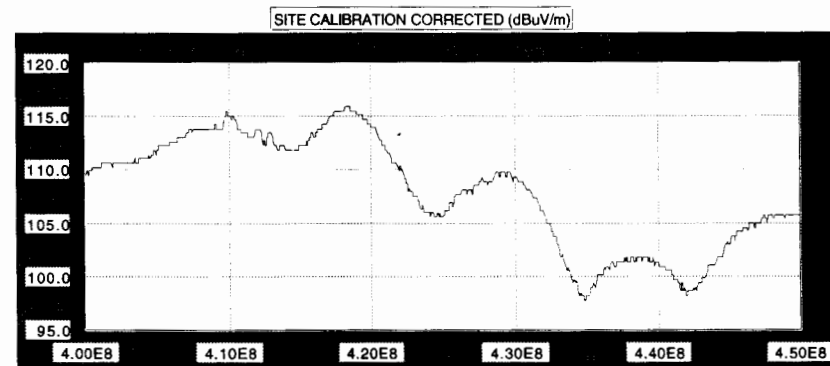
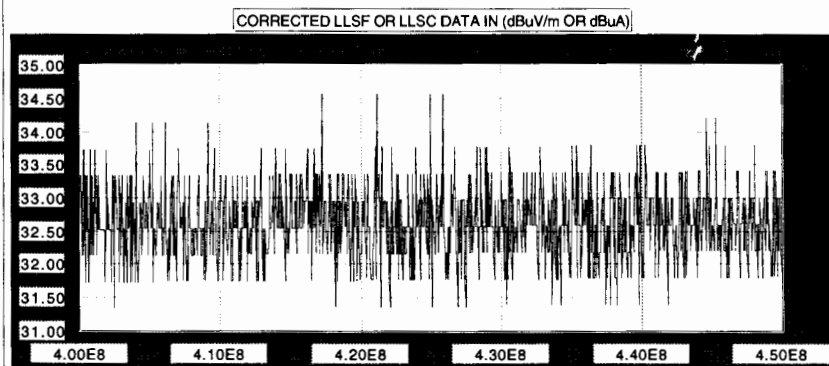
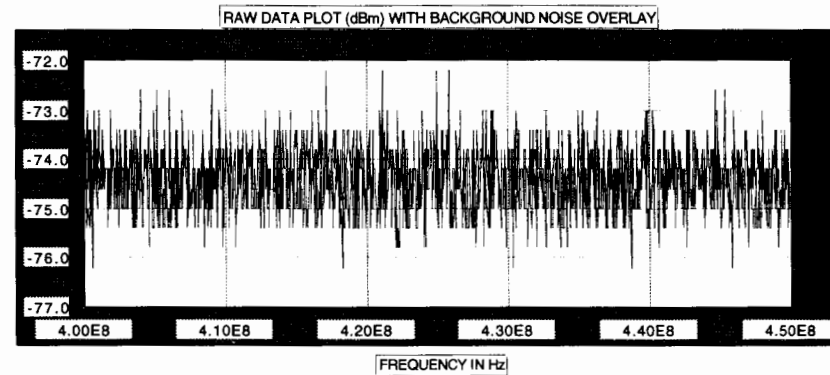
BAND	TX LOC	RX LOC	POLARITY
7	1	1	H

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM7H11SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM7H11

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
8	1	1	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL11:LLSC4EFRAWDBM8H11SCC

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM8H11

MAX ATTENUATION (dB)

0

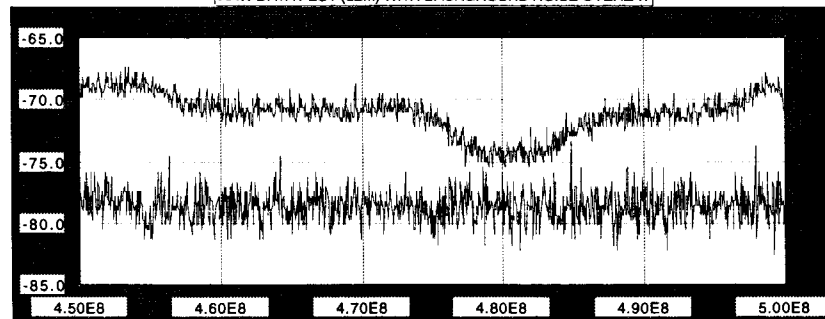
MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

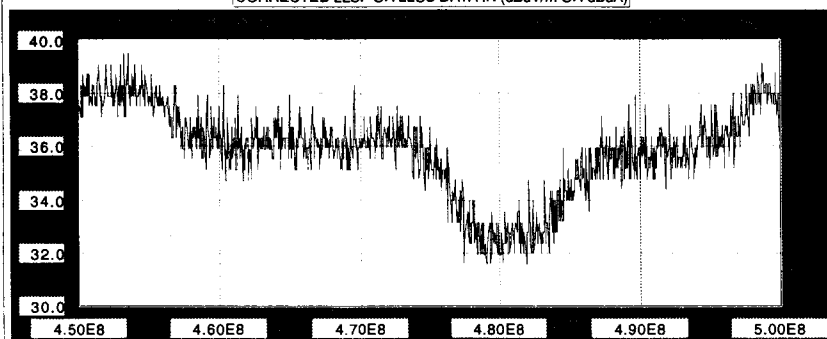
0

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

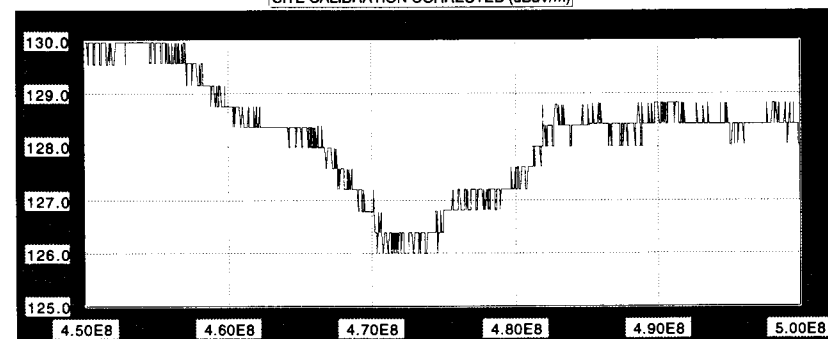


FREQUENCY IN Hz

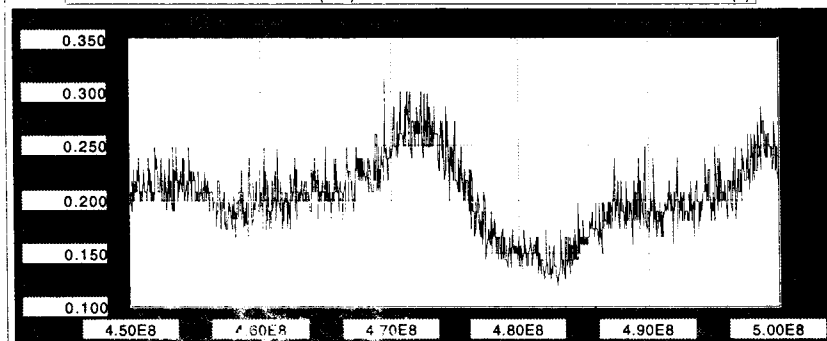
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



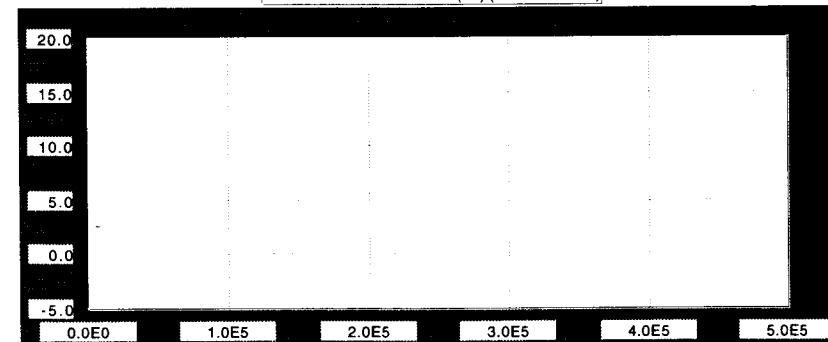
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

9 1 1 H

SITE CALIBRATION FILE NAME

MONTANA1:SCAL:SCAL11:LLSC4EFRAWDBM9H11SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

0 0

READ FILE NAME

MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM9H11

MAX ATTENUATION (dB)

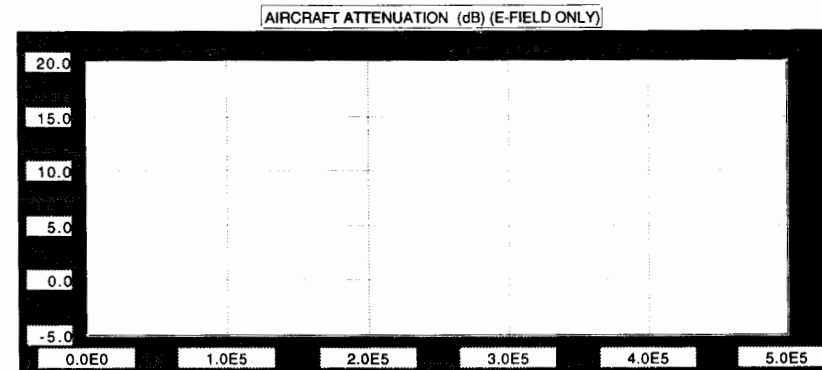
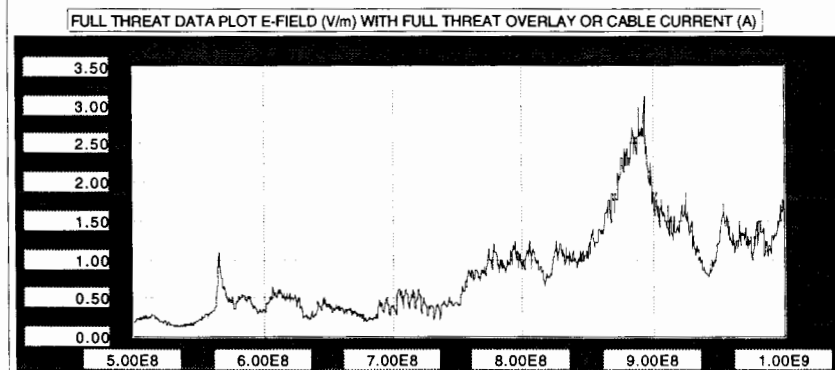
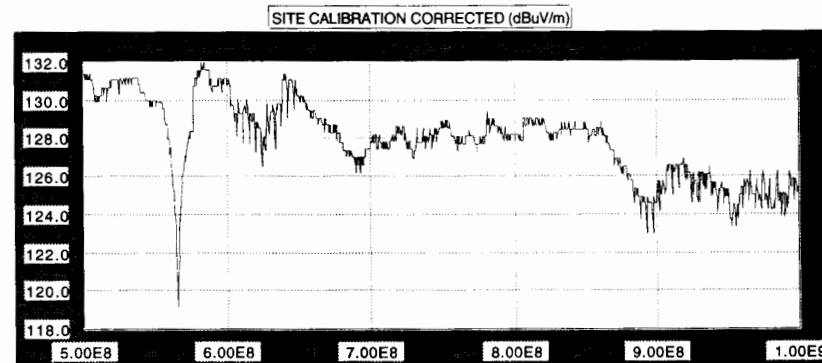
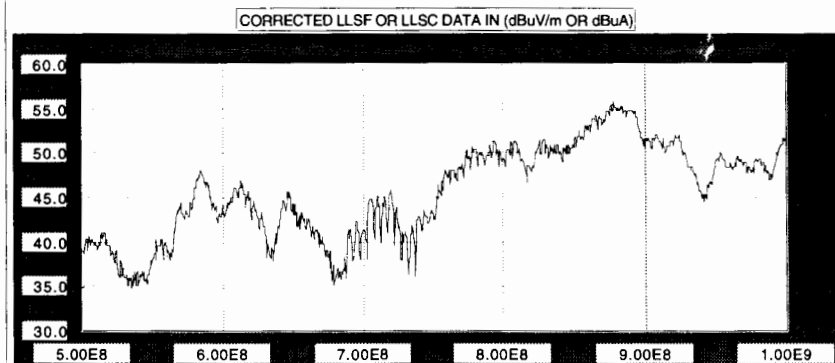
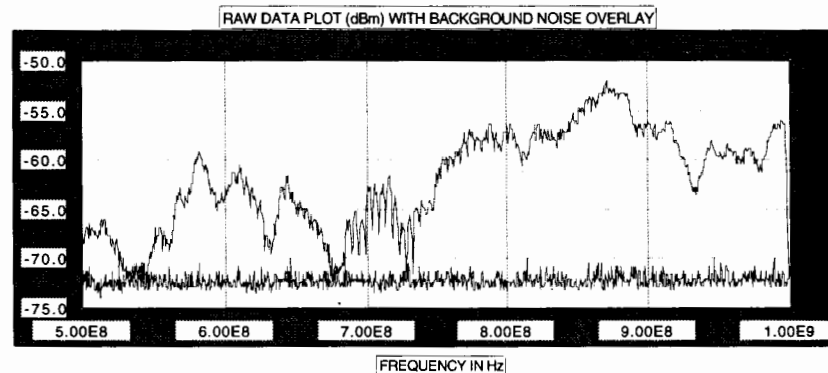
0

MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0



SECTION 2-3
ALTITUDE INDICATOR LLSC DATA PLOTS

BAND TX LOC RX LOC POLARITY

1 1 4 H

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

☒ ☒ 0 0

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM1H21SCC

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM1H14

MAX ATTENUATION (dB)

0

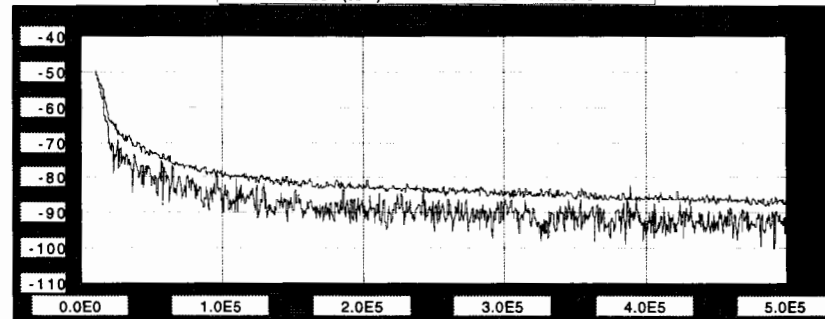
MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

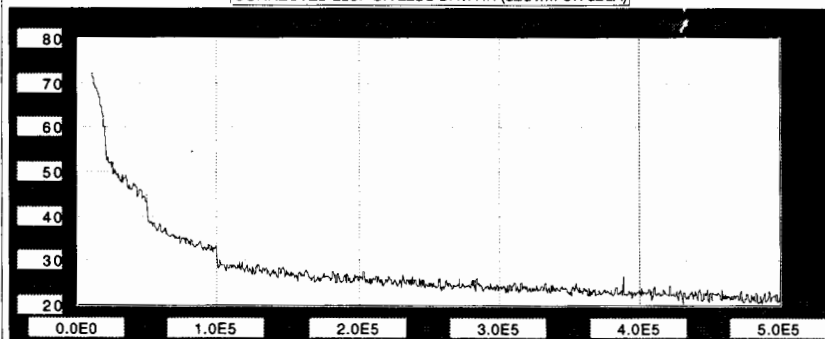
0

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

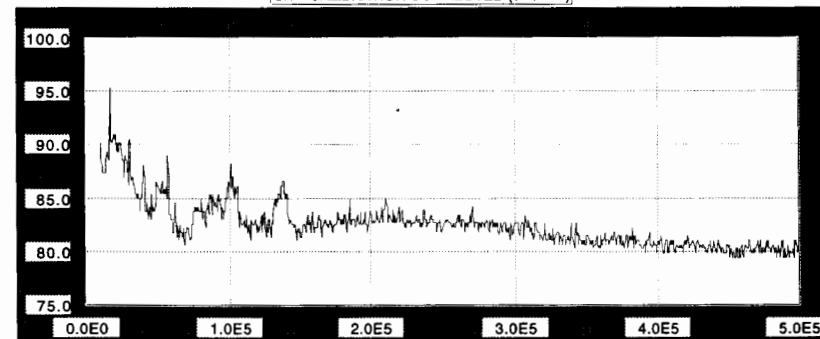


FREQUENCY IN Hz

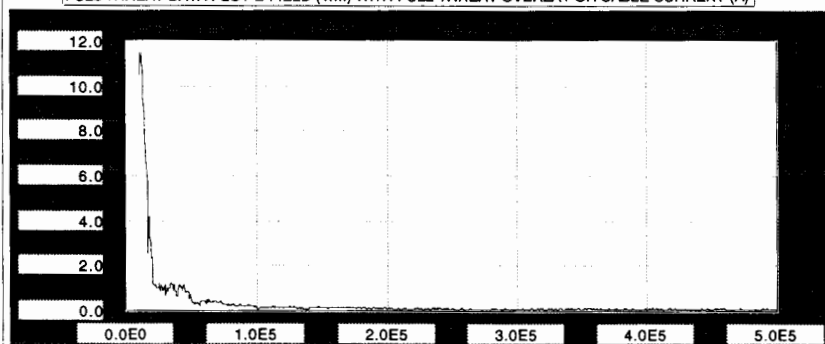
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



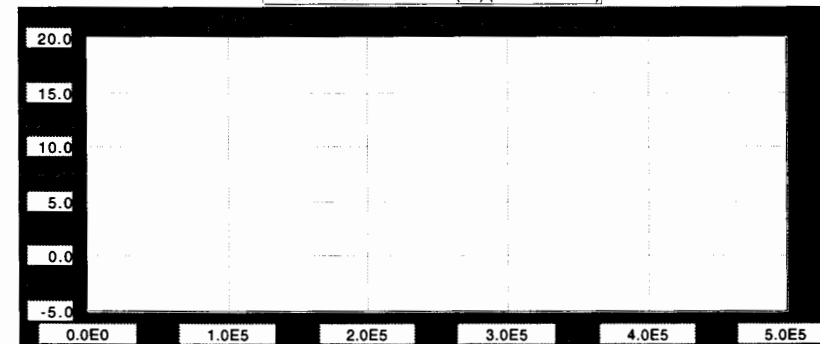
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND
 TX LOC
 RX LOC
 POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☐
 FILTER ON/OFF ☐
 FILTER RANK
 DISK STATUS

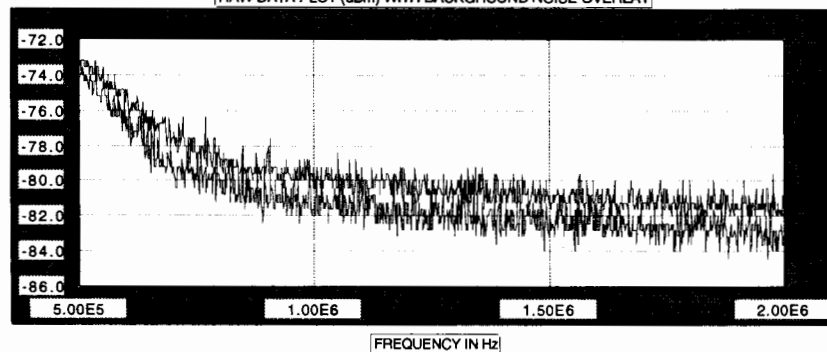
READ FILE NAME

MAX ATTENUATION (dB)

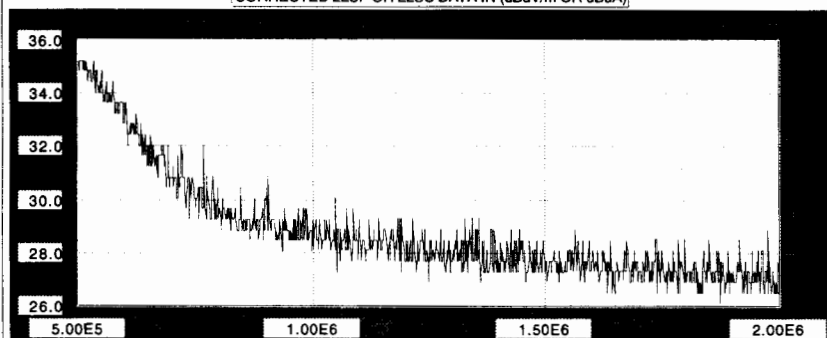
MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)

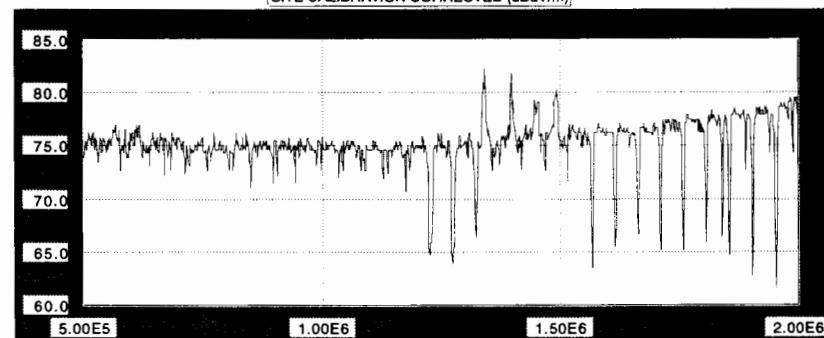
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



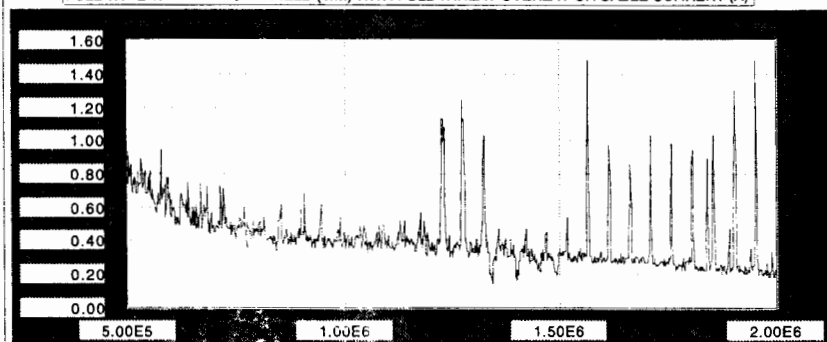
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



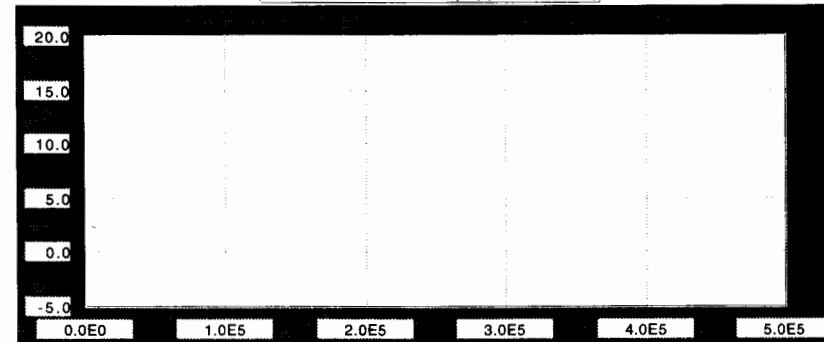
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND: 3 TX LOC: 1 RX LOC: 4 POLARITY: H

SITE CALIBRATION FILE NAME: MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

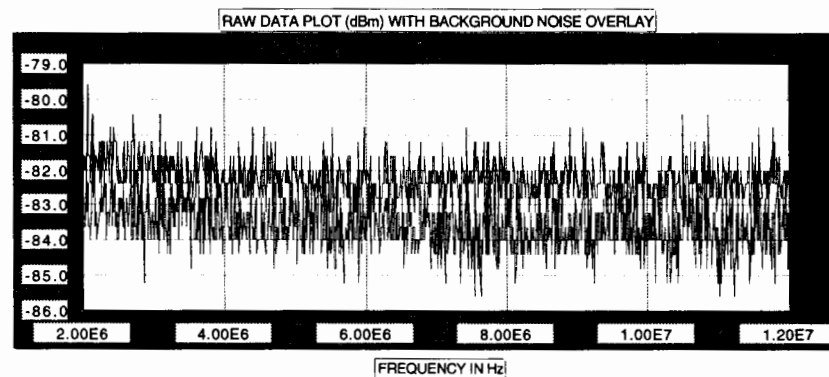
E-FIELD: ☒ FILTER ON/OFF: ☒ FILTER RANK: 0 DISK STATUS: 0

READ FILE NAME: MONTANA:LABVIEW DATA:LLSC1CCRAWDBM3H14

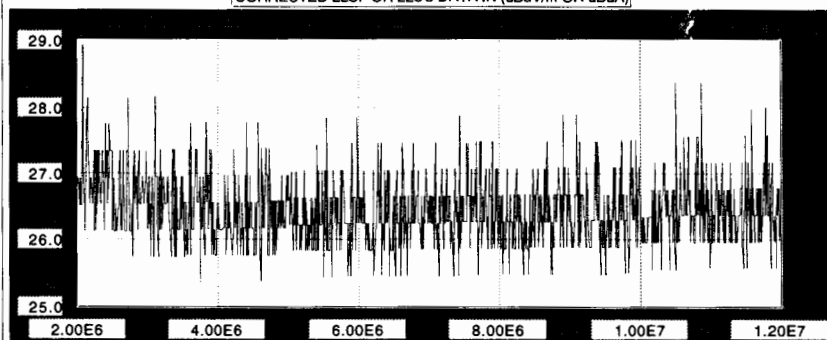
MAX ATTENUATION (dB): 0

MIN ATTENUATION (dB): 0

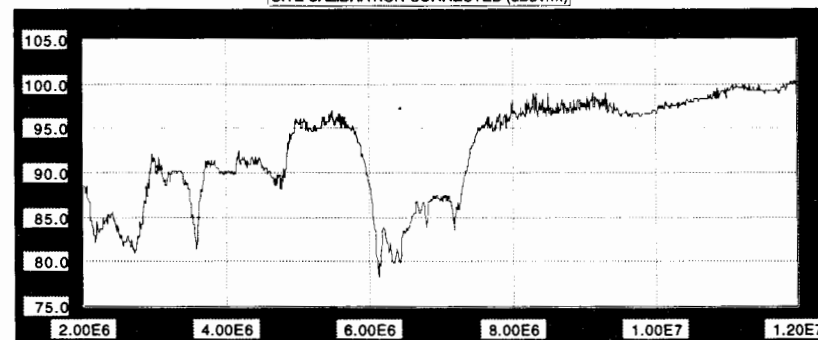
AVERAGE ATTENUATION (dB): 0



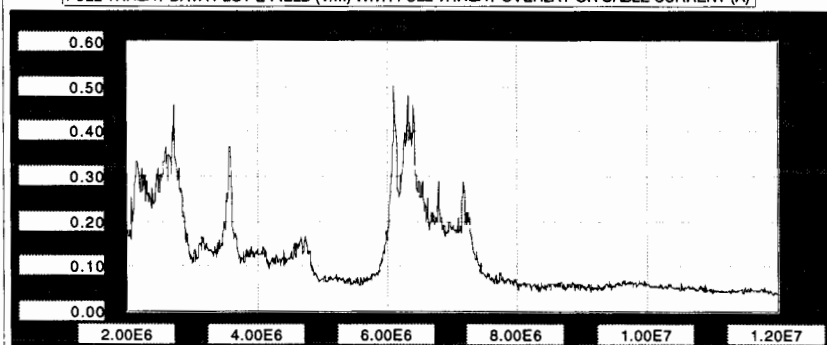
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



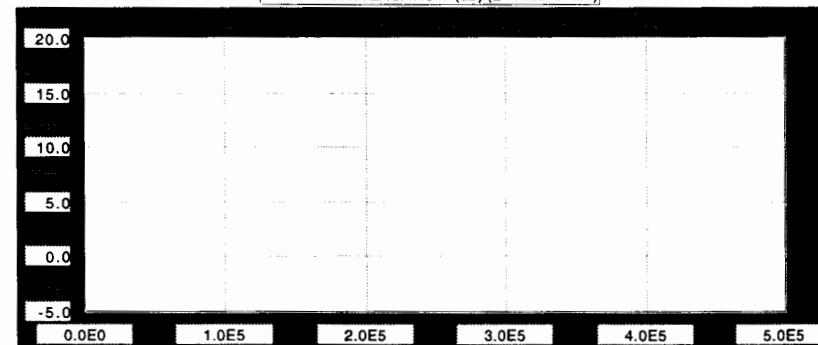
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

4 1 4 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM4H21SCC

E-FIELD: FILTER ON/OFF FILTER RANK DISK STATUS

0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM4H14

MAX ATTENUATION (dB)

0

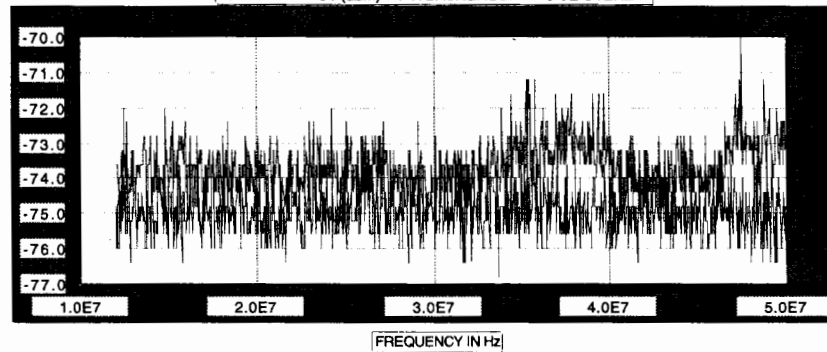
MIN ATTENUATION (dB)

0

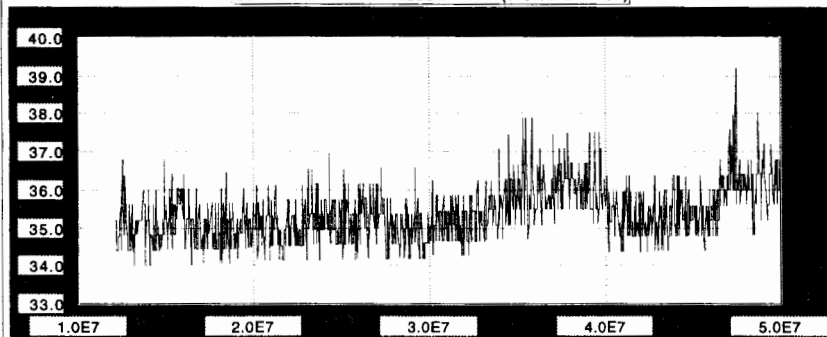
AVERAGE ATTENUATION (dB)

0

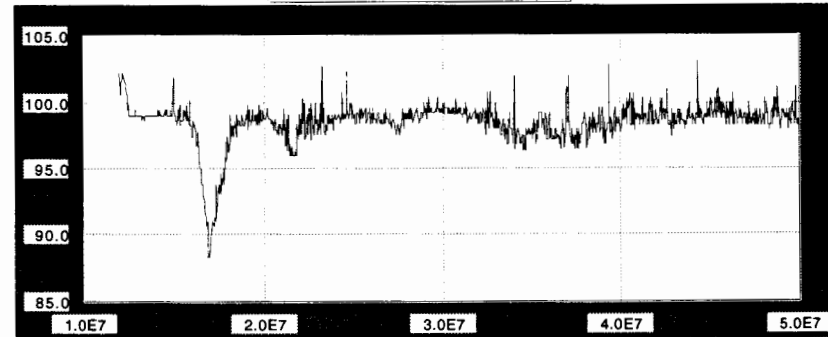
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



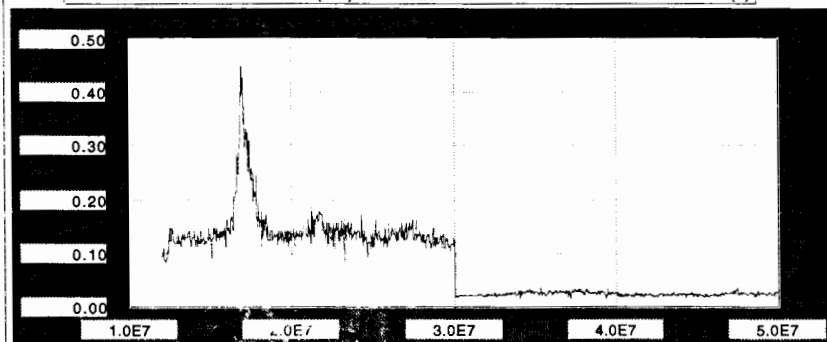
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



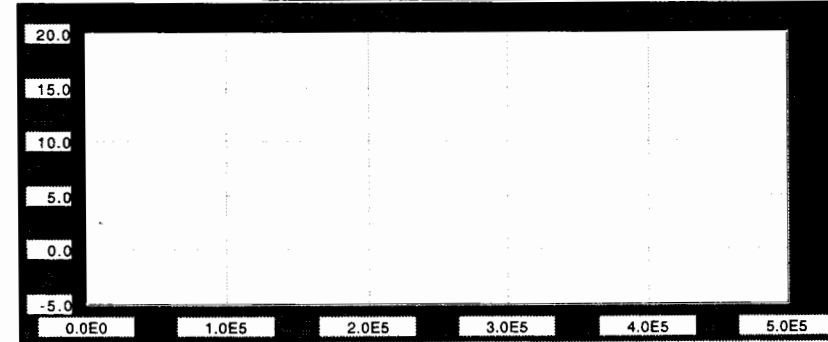
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

3 1 4 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM3H14

MAX ATTENUATION (dB)

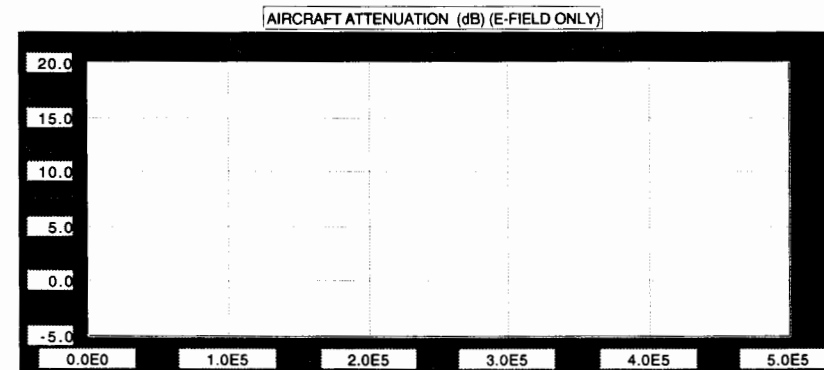
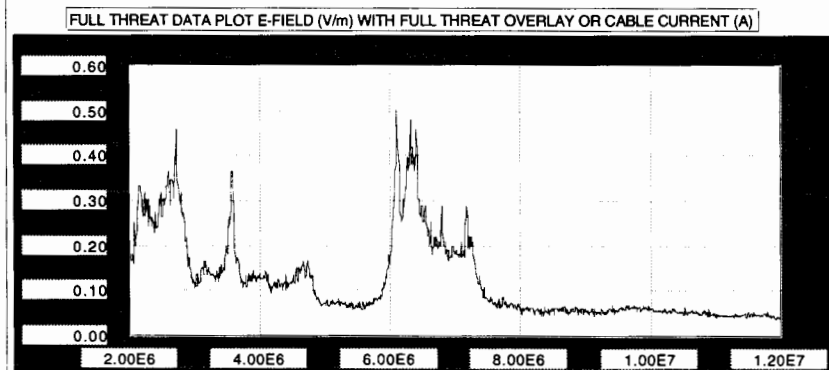
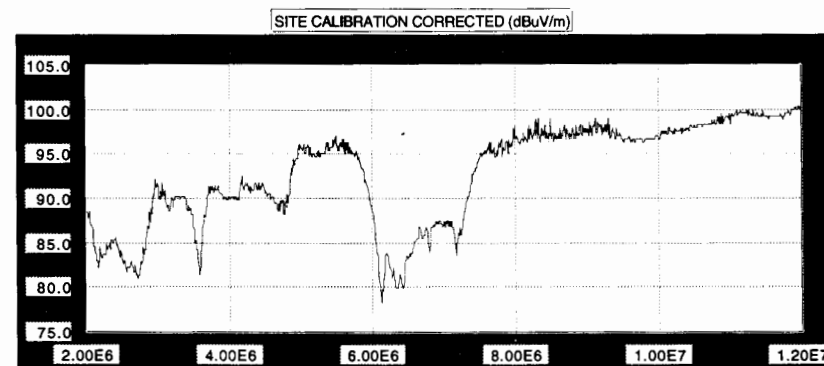
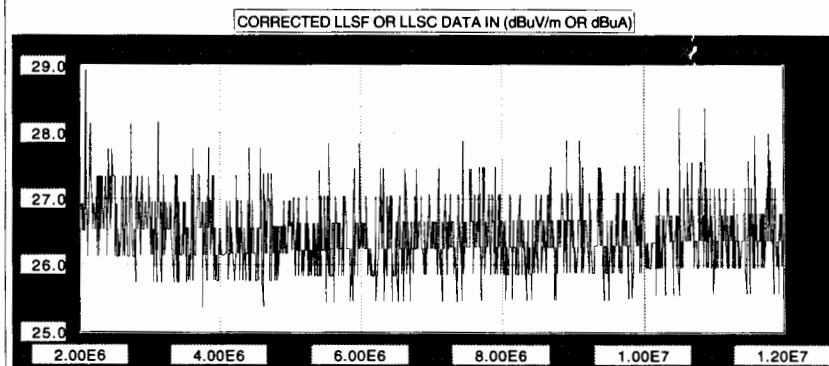
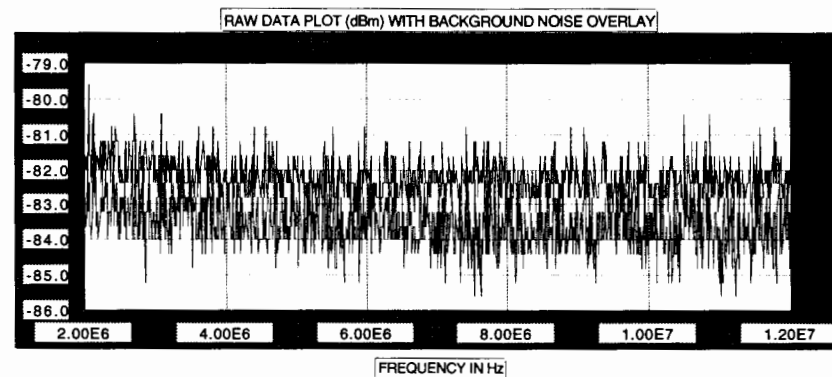
0

MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0



BAND TX LOC RX LOC POLARITY

4 1 4 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM4H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM4H14

MAX ATTENUATION (dB)

0

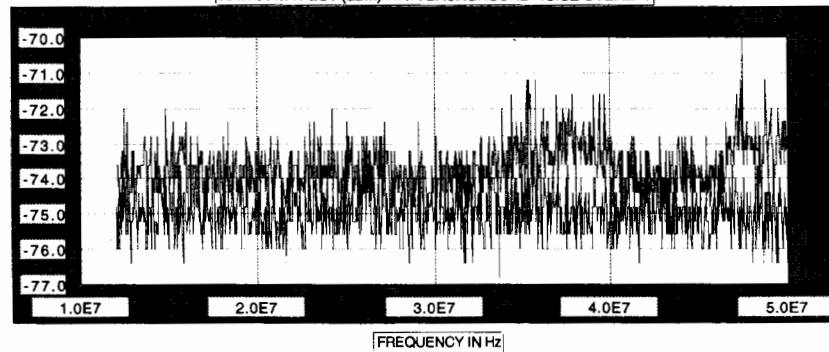
MIN ATTENUATION (dB)

0

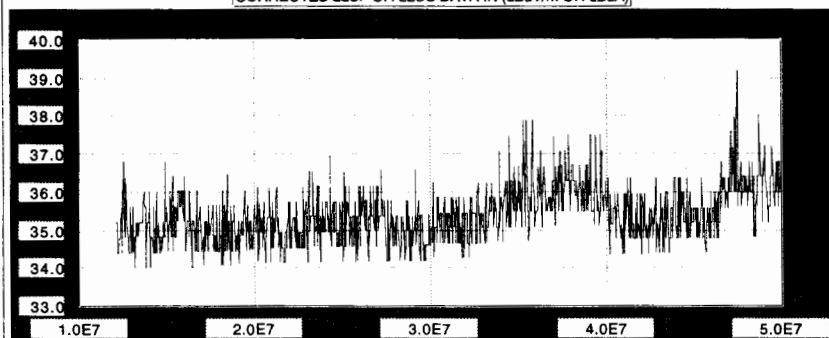
AVERAGE ATTENUATION (dB)

0

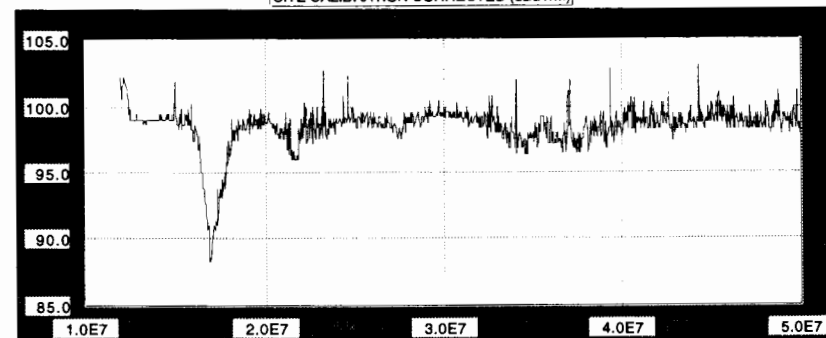
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



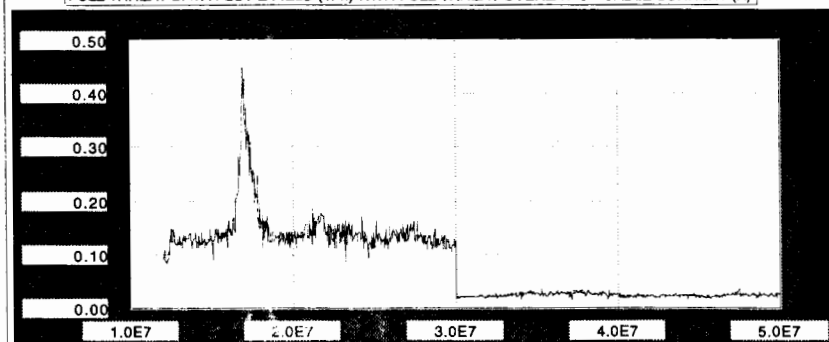
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



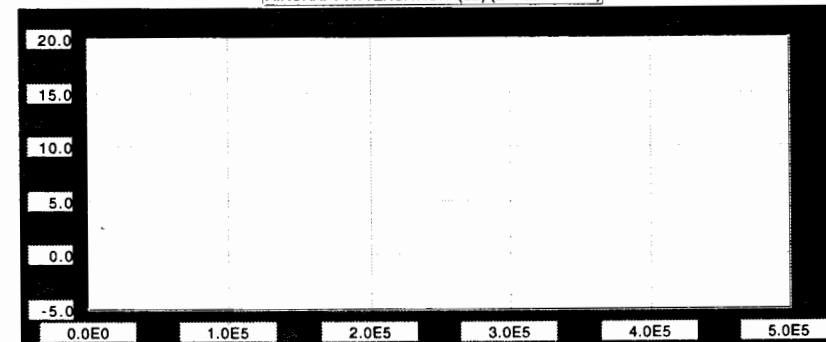
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

3 1 4 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

☒ ☒ 0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM3H14

MAX ATTENUATION (dB)

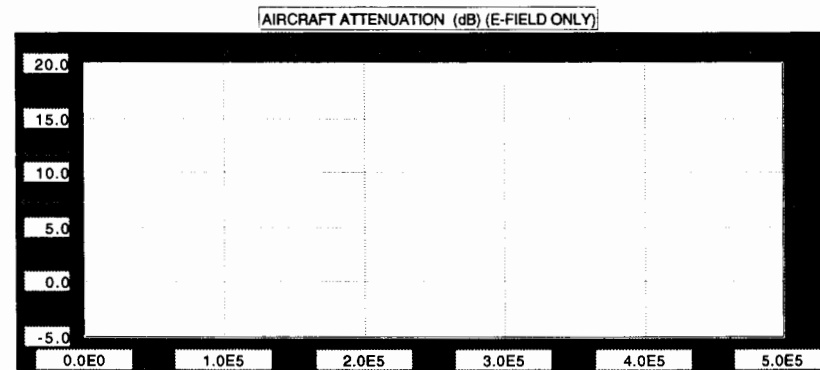
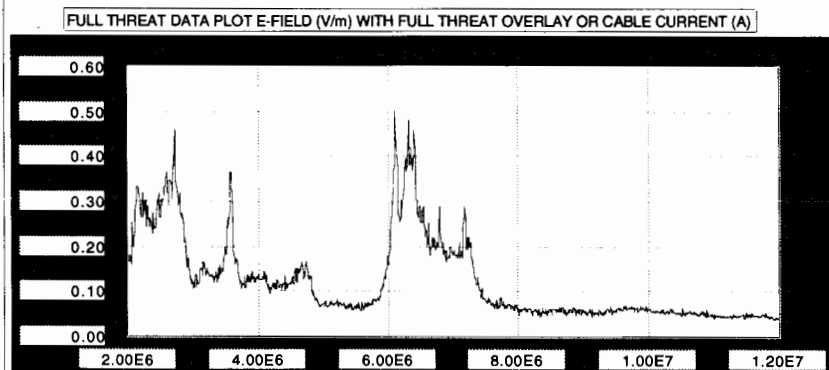
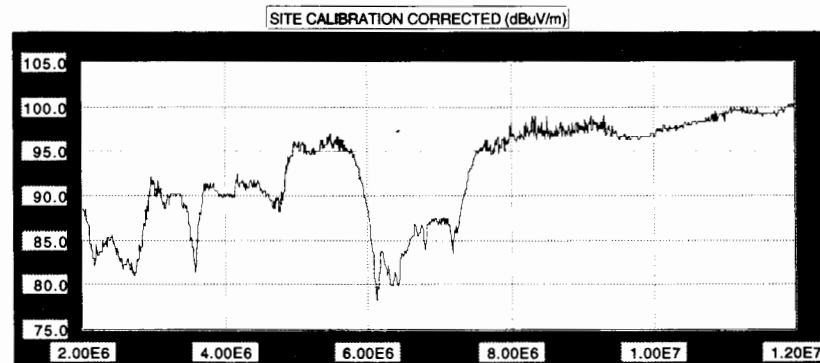
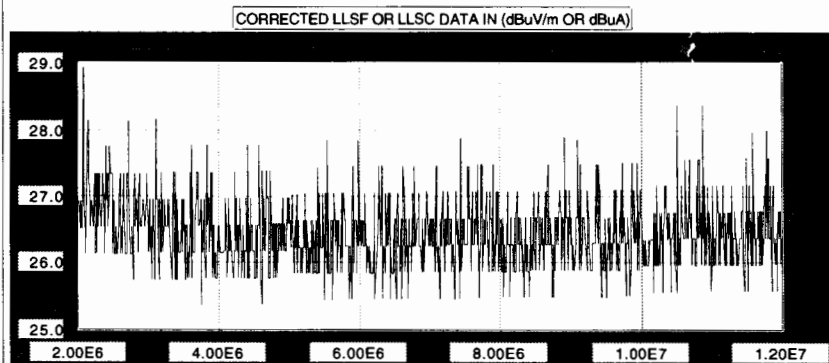
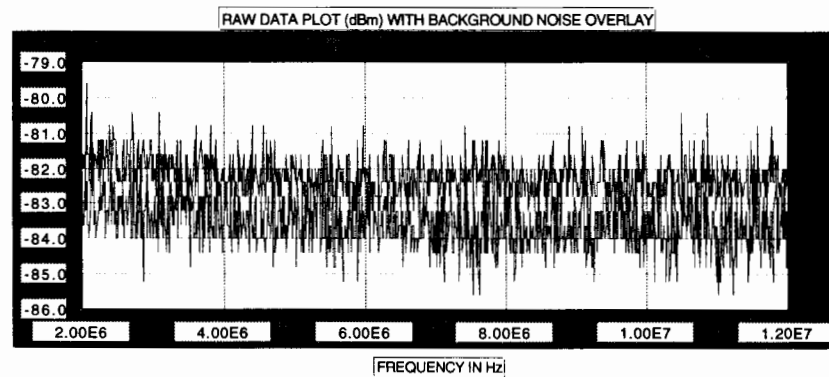
0

MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0



BAND TX LOC RX LOC POLARITY

E-FIELD ☐ FILTER ON/OFF ☐ FILTER RANK DISK STATUS

SITE CALIBRATION FILE NAME

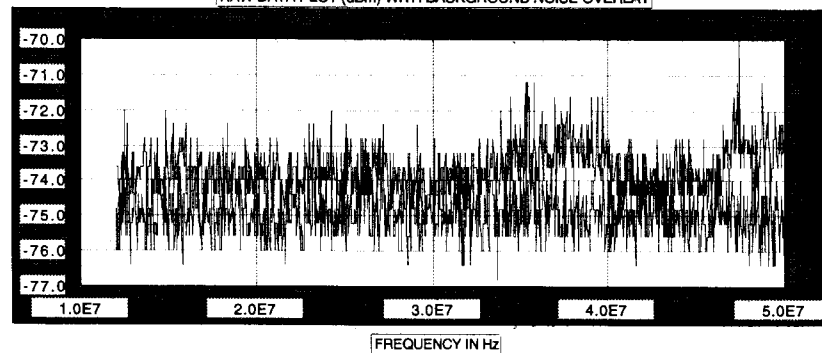
READ FILE NAME

MAX ATTENUATION (dB)

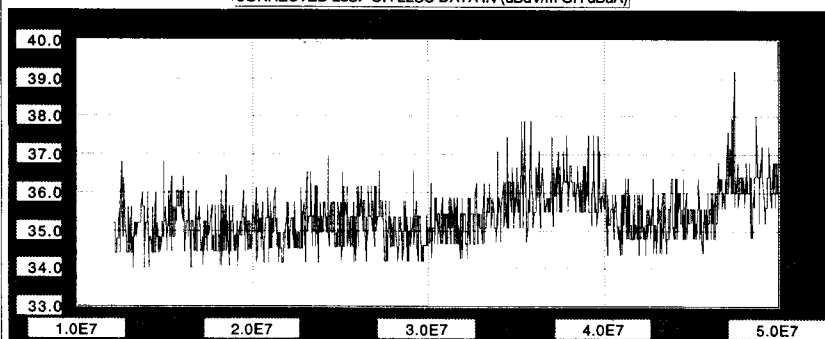
MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)

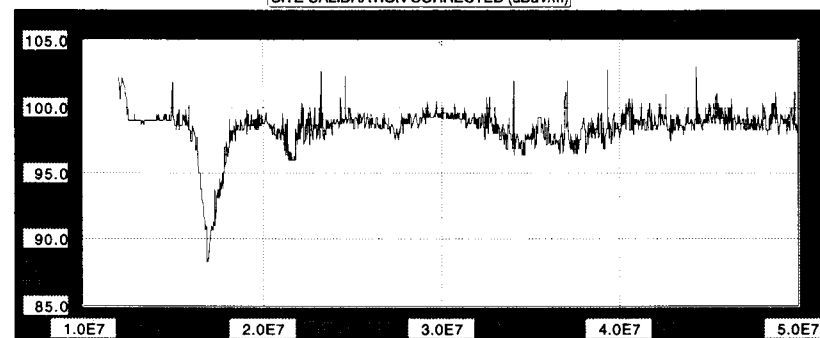
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



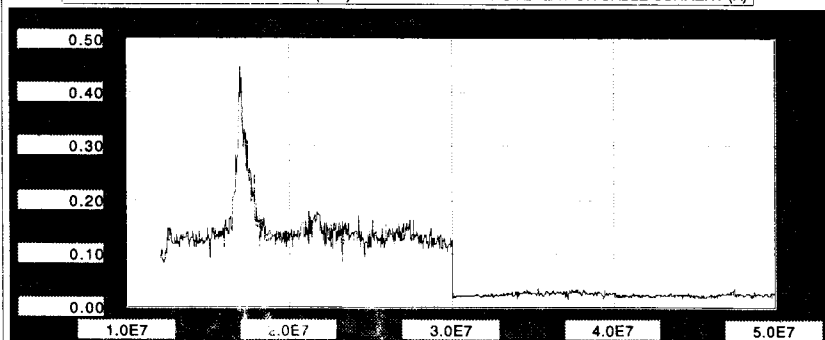
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



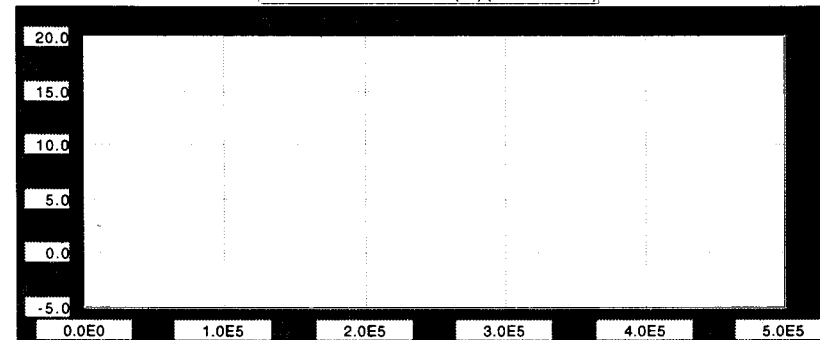
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



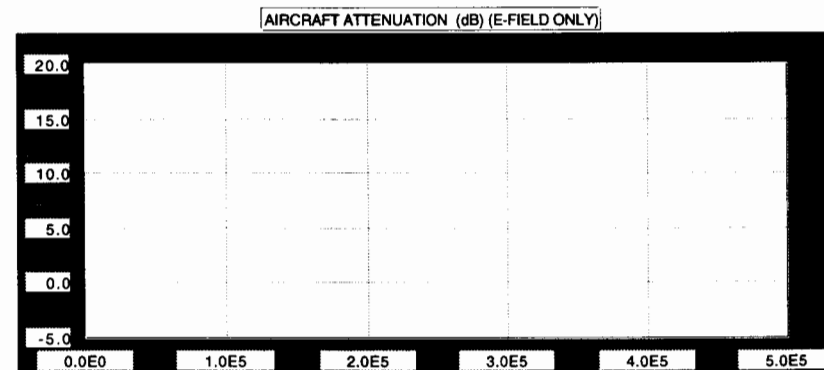
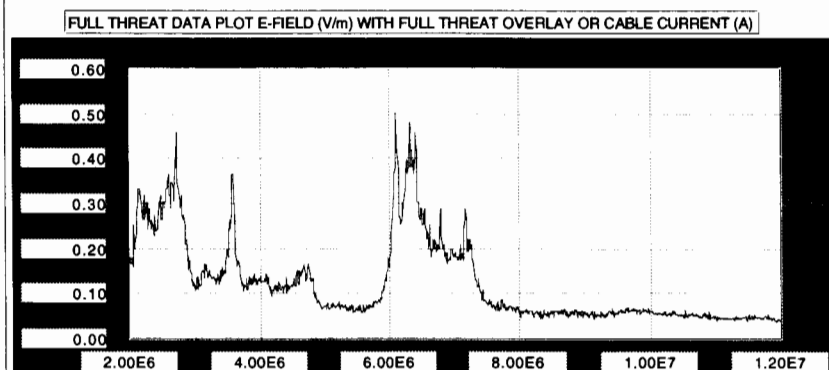
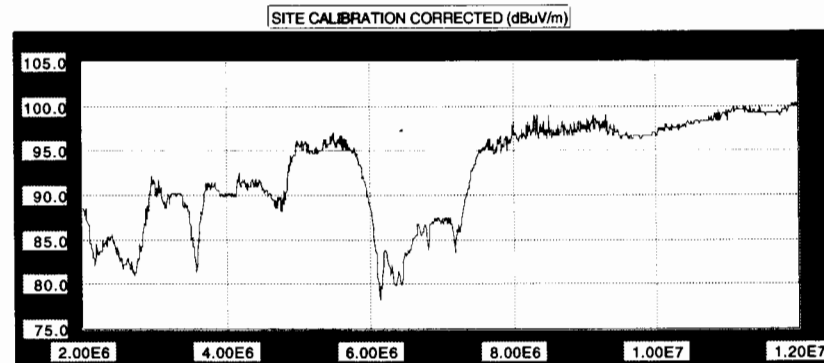
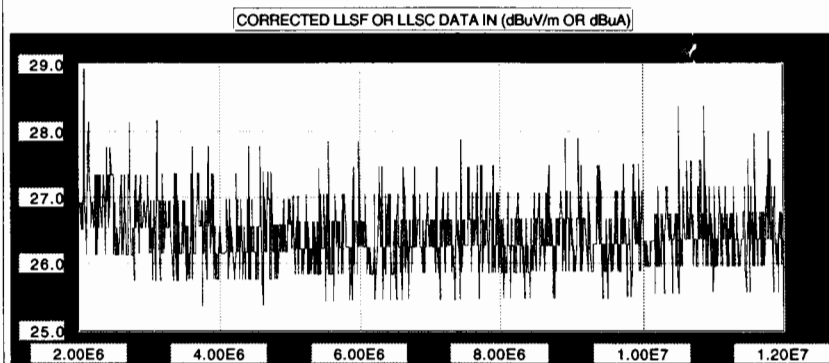
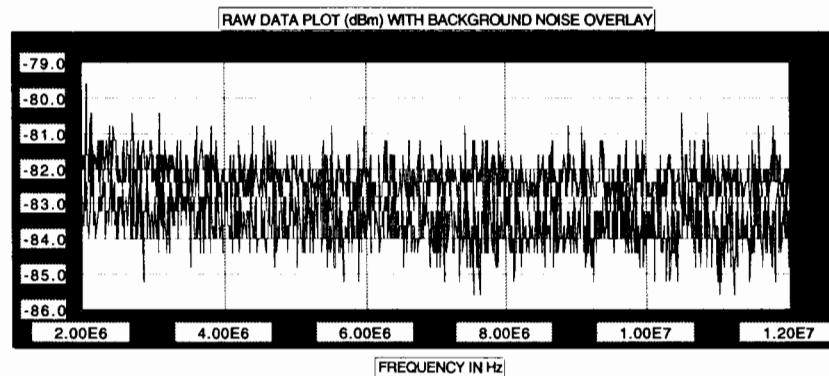
BAND	TX LOC	RX LOC	POLARITY
3	1	4	H

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM3H14

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☒ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

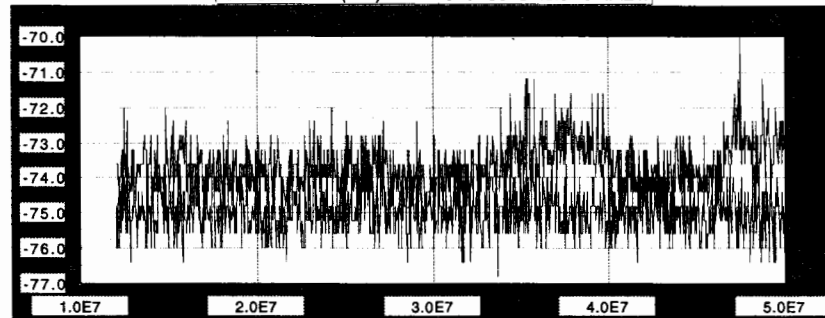
READ FILE NAME

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

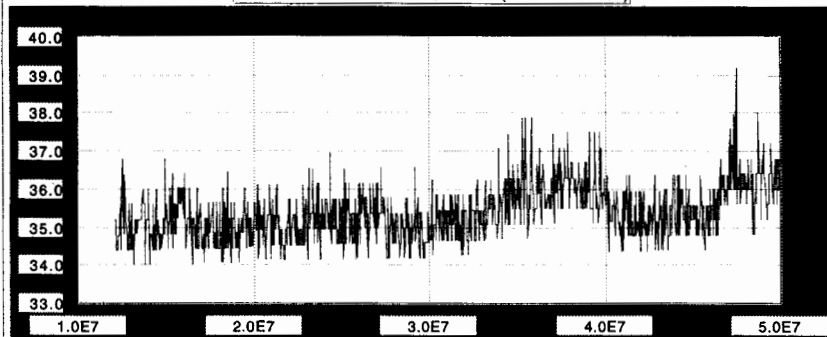
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

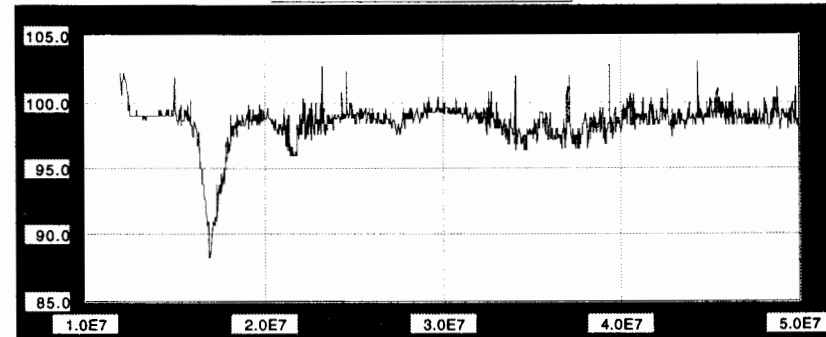


FREQUENCY IN Hz

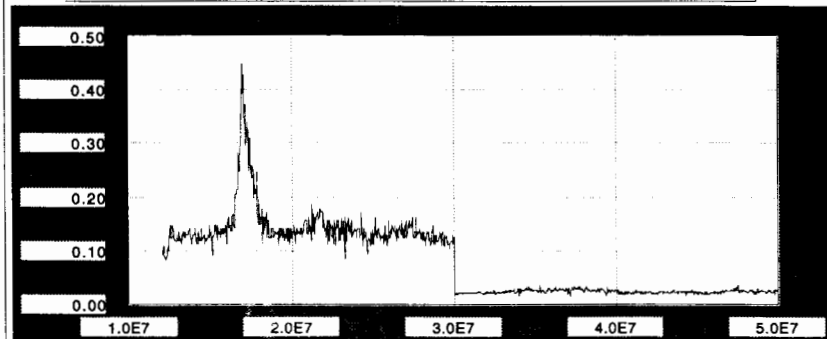
CORRECTED LLSF OR LLSC DATA IN (dBuV/m or dBuA)



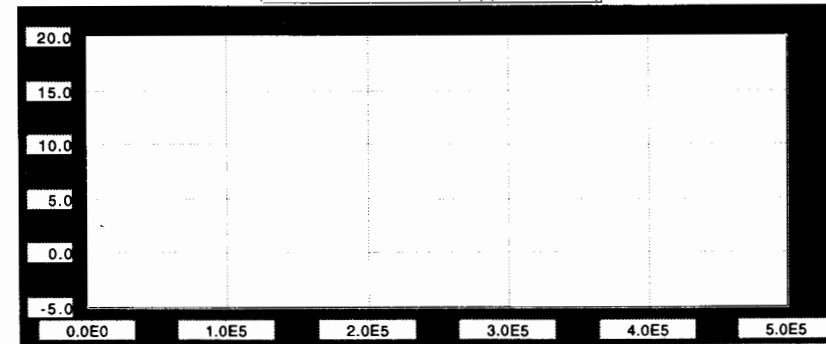
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

5 1 4 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM5H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

☒ ☒ 0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM5H14

MAX ATTENUATION (dB)

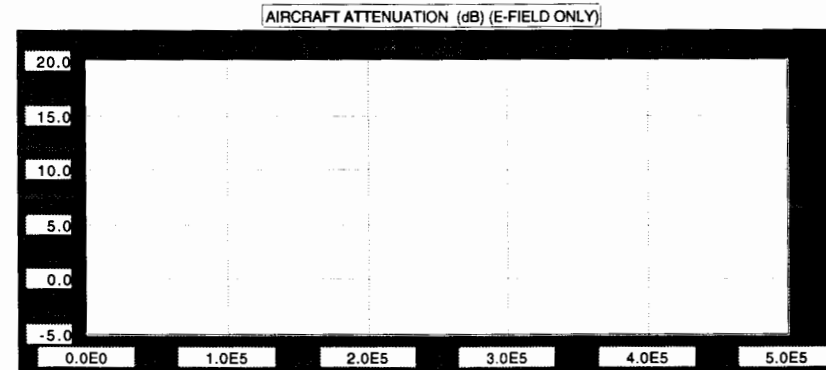
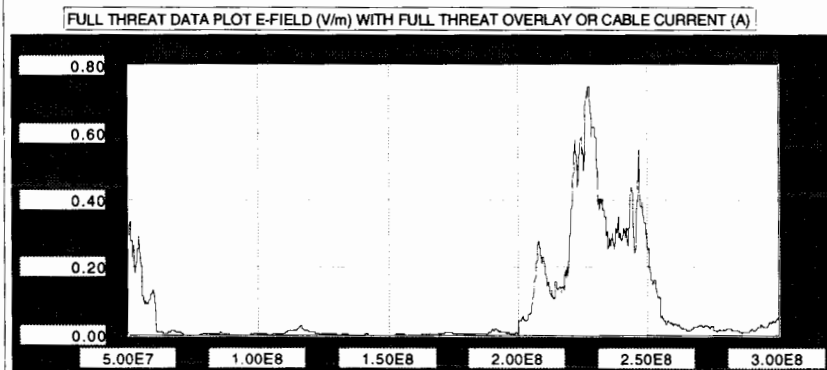
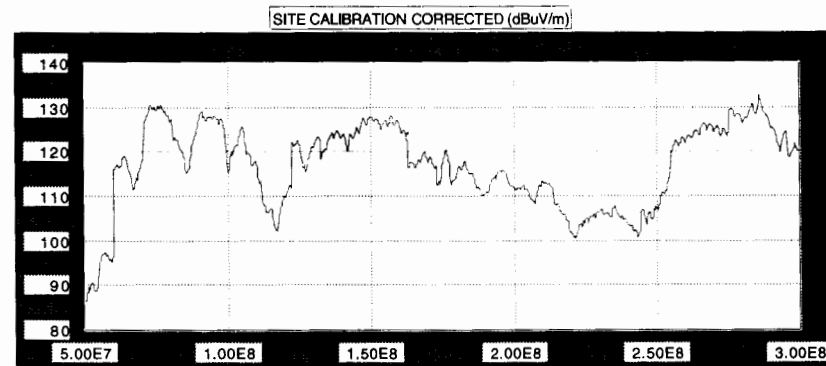
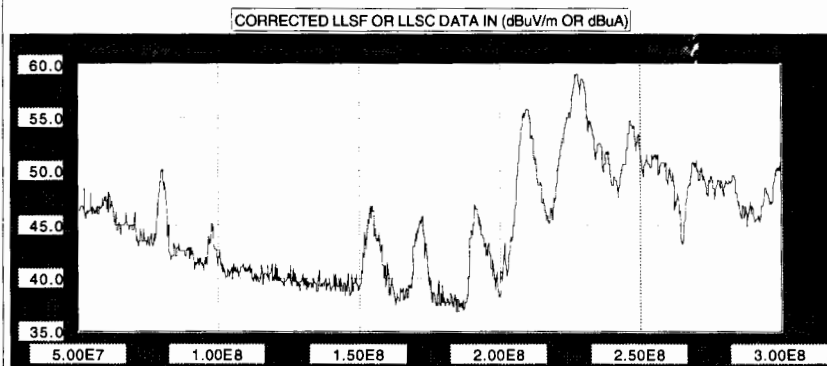
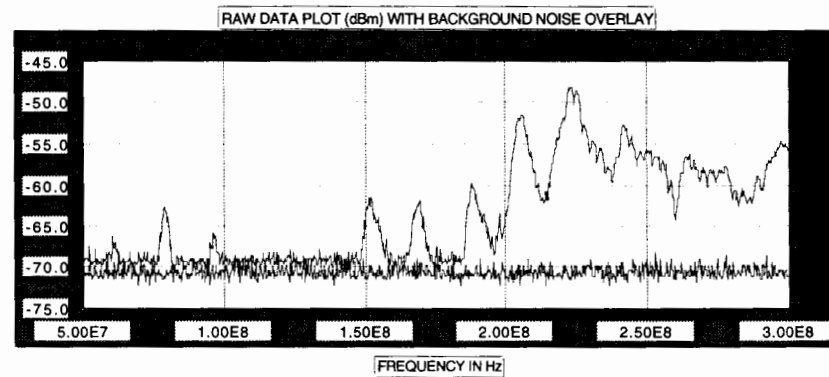
0

MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0

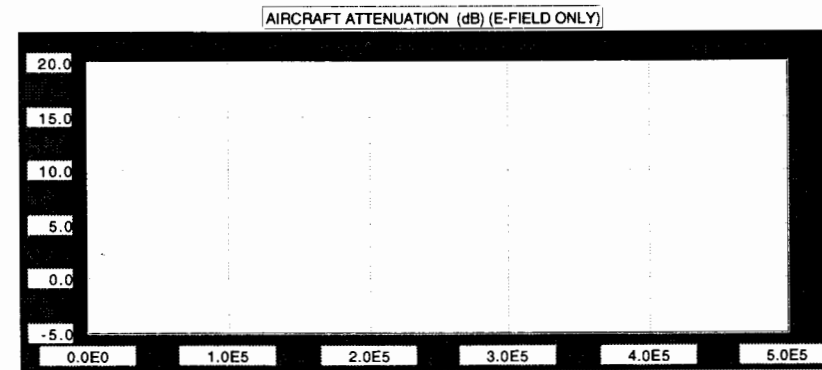
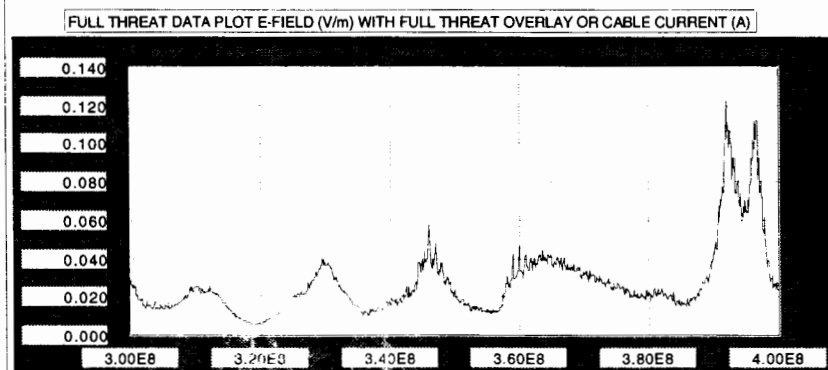
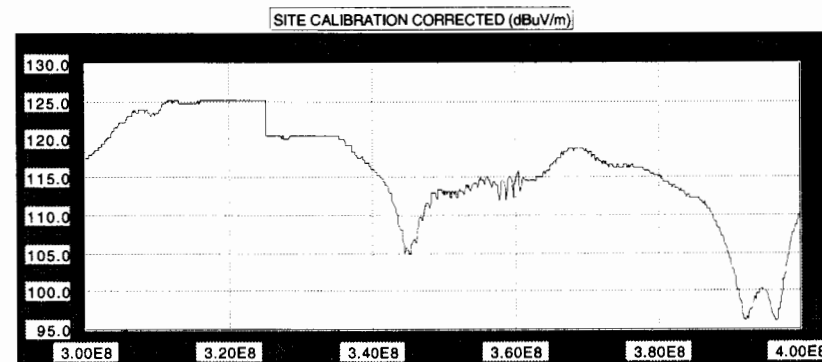
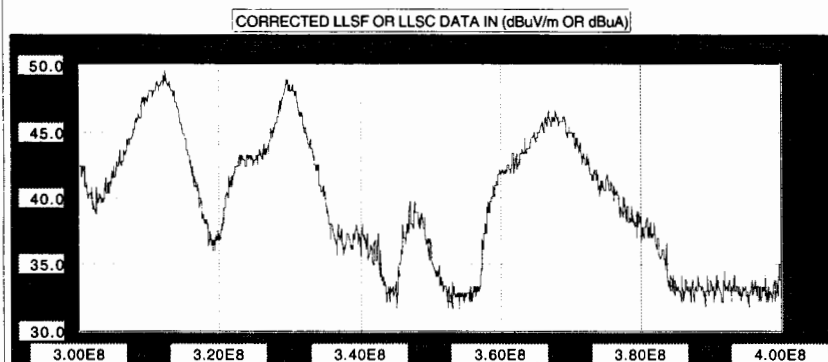
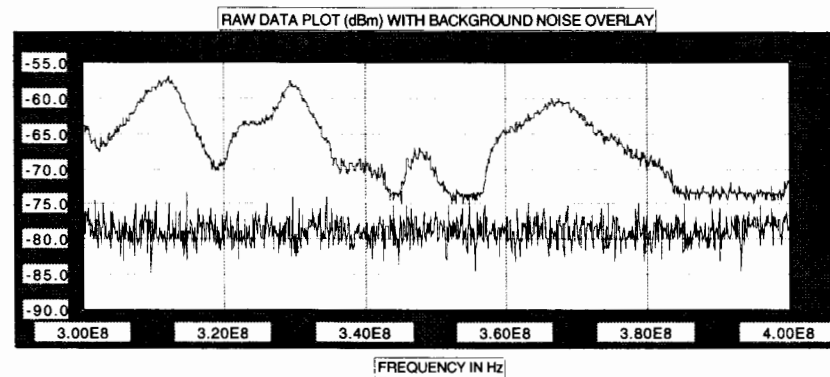


BAND	TX LOC	RX LOC	POLARITY
6	1	4	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM6H21SCC
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM6H14

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



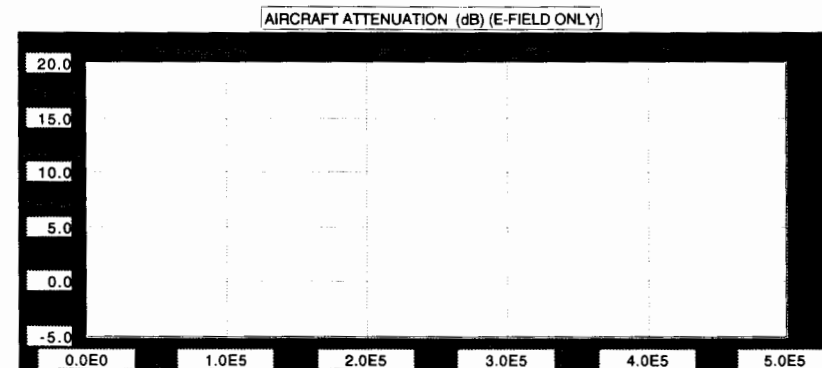
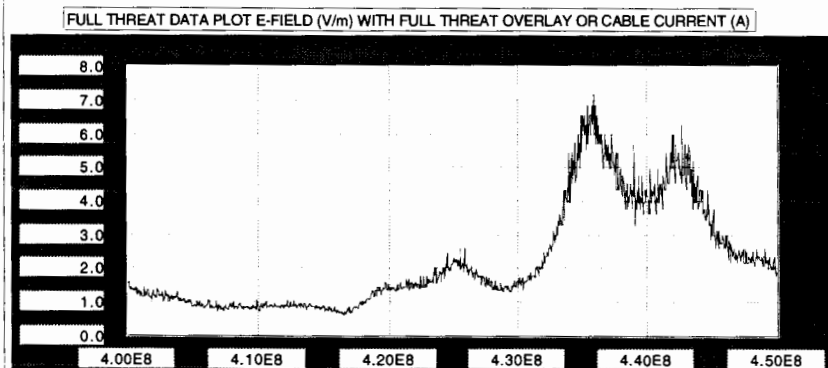
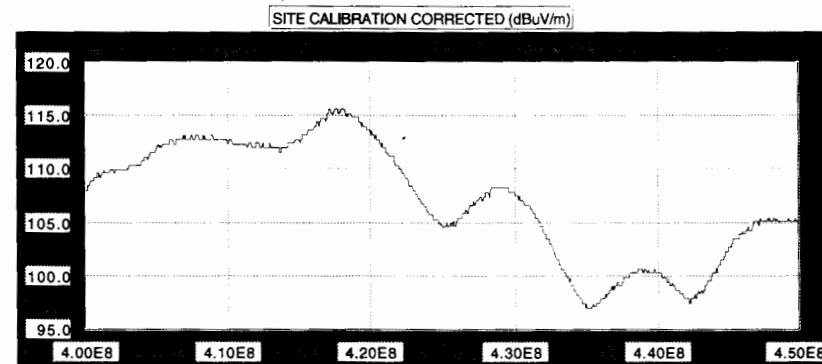
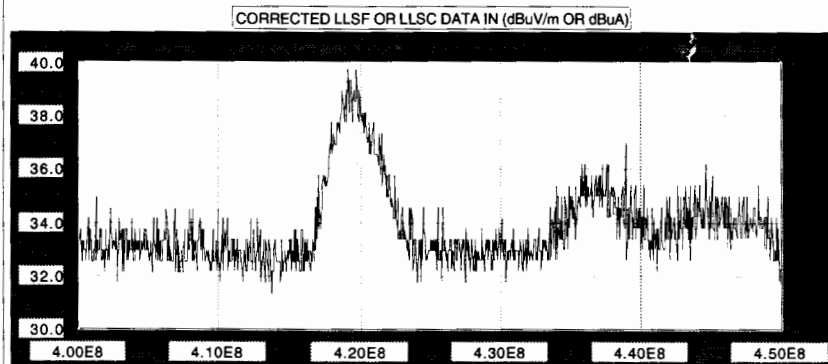
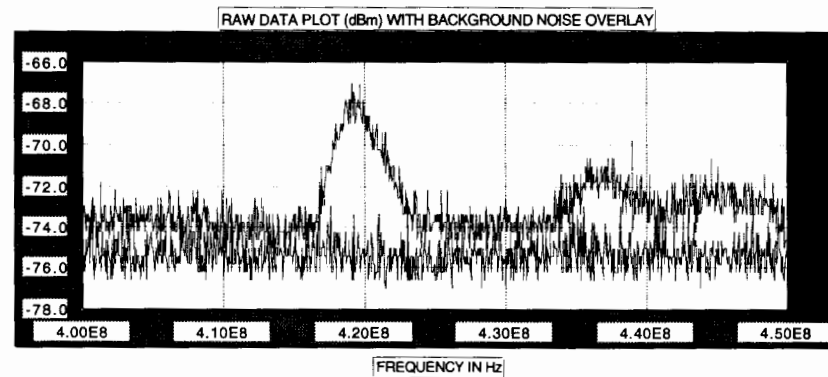
BAND	TX LOC	RX LOC	POLARITY
7	1	5	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM7H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM7H15

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
8	1	5	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8H21SCC

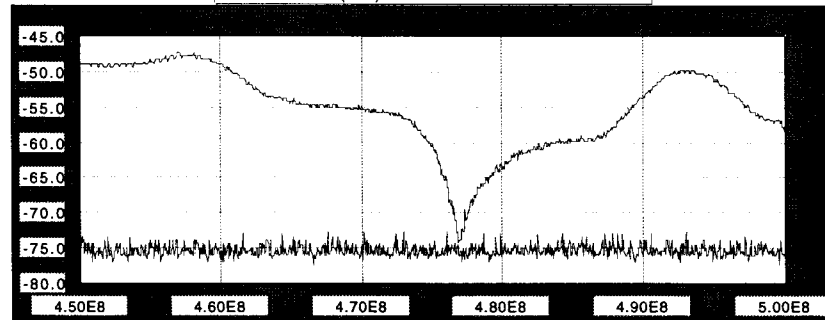
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM8H15

MAX ATTENUATION (dB)

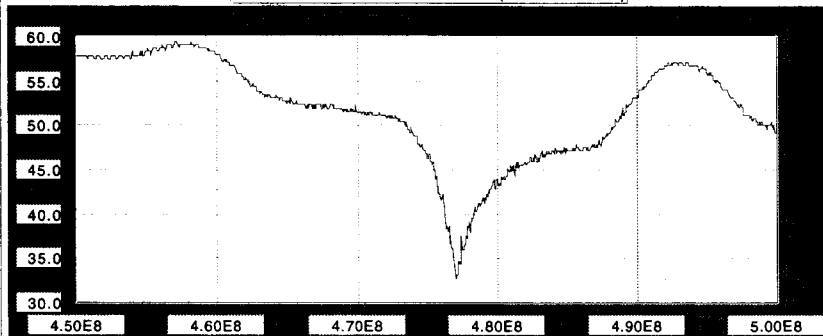
MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)

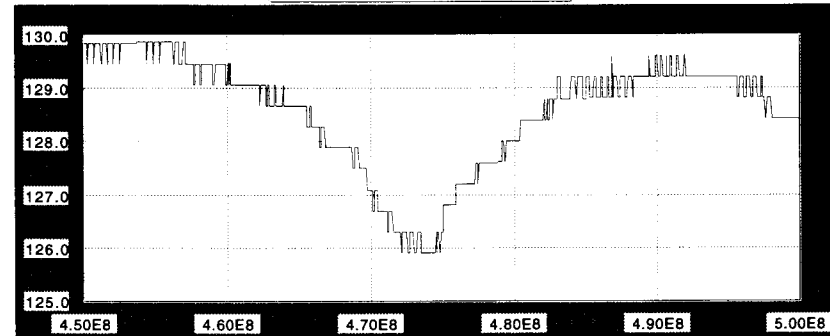
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



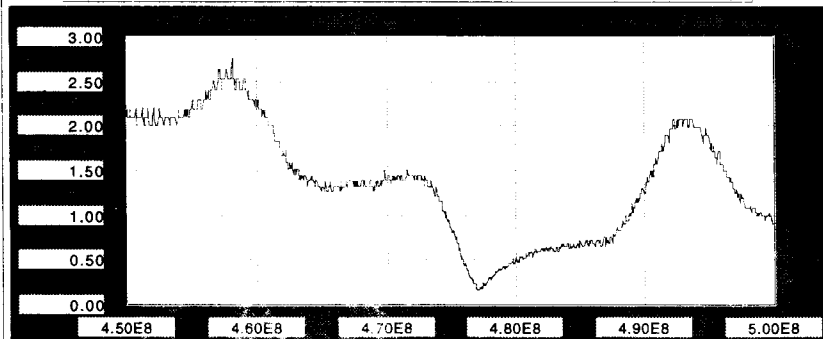
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



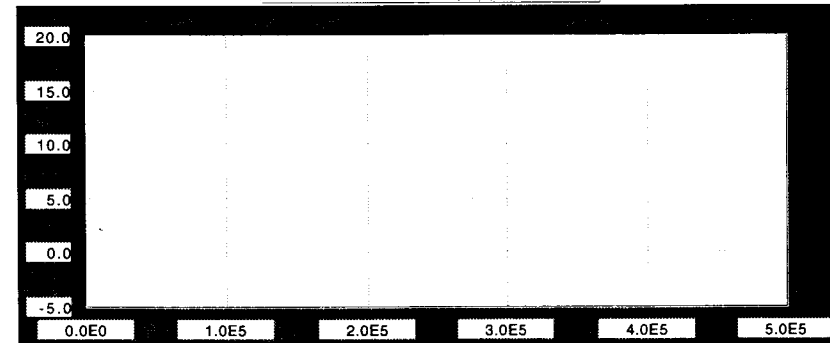
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY
9 1 5 H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM9H21SCC

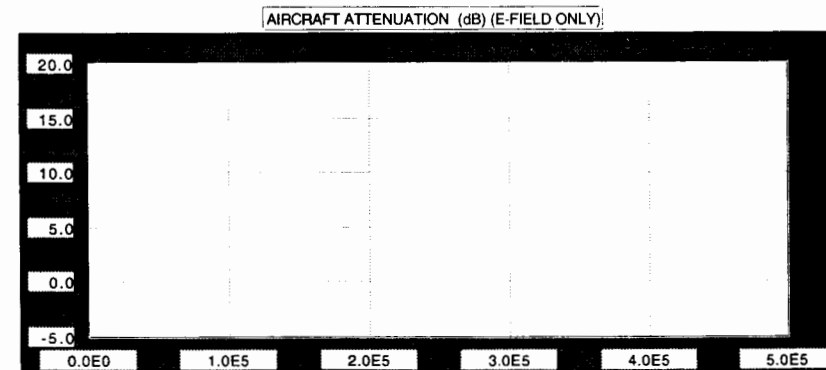
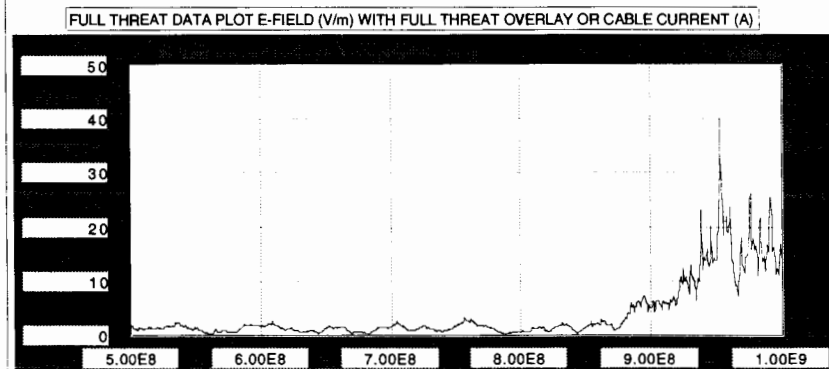
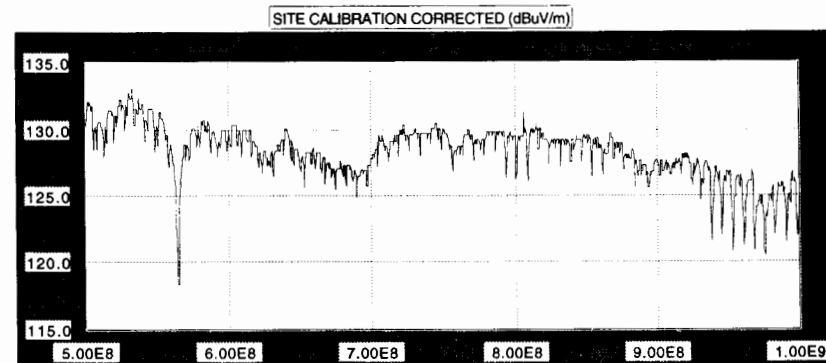
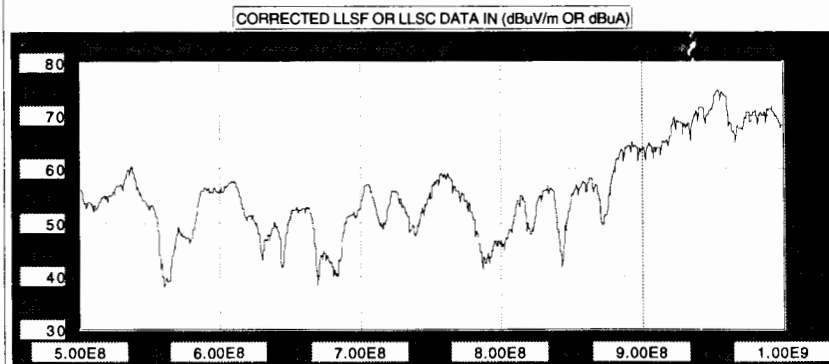
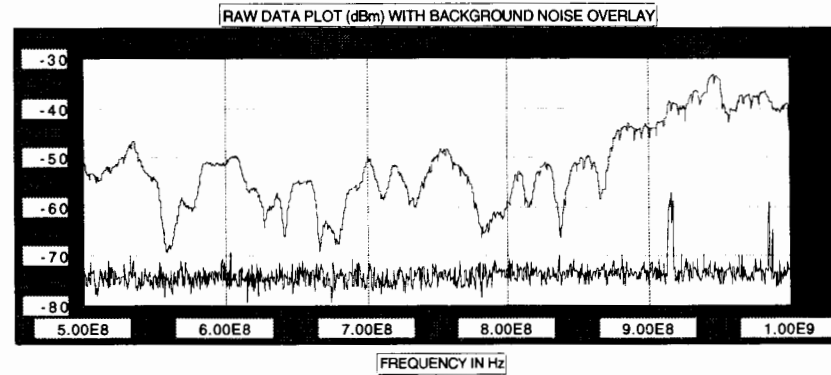
E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS
☒ ☒ 0 0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM9H15

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



BAND:
 TX LOC:
 RX LOC:
 POLARITY:

E-FIELD: ☐
 FILTER ON/OFF: ☐
 FILTER RANK:
 DISK STATUS:

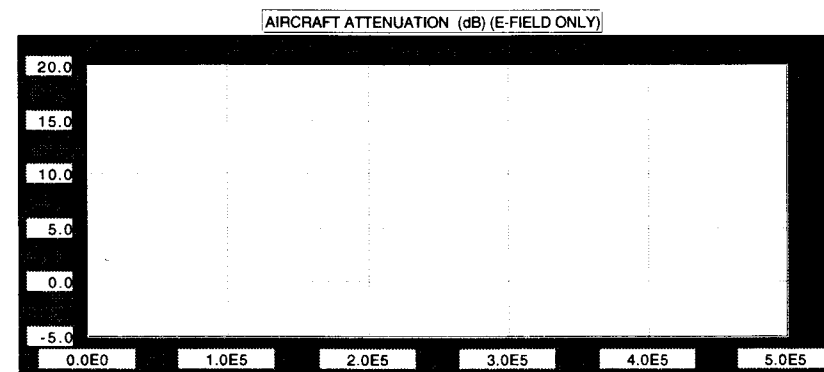
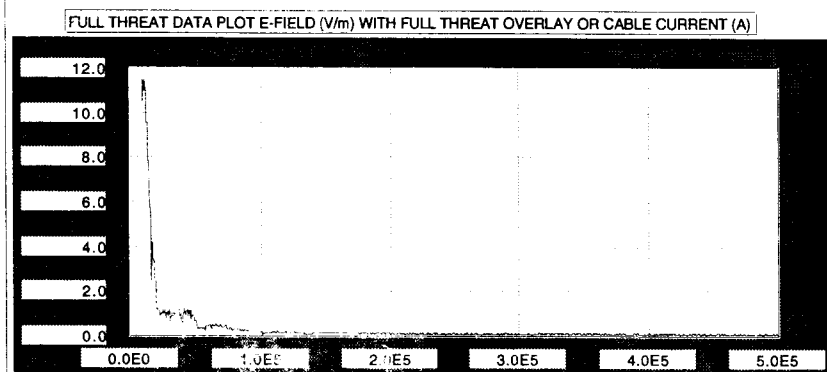
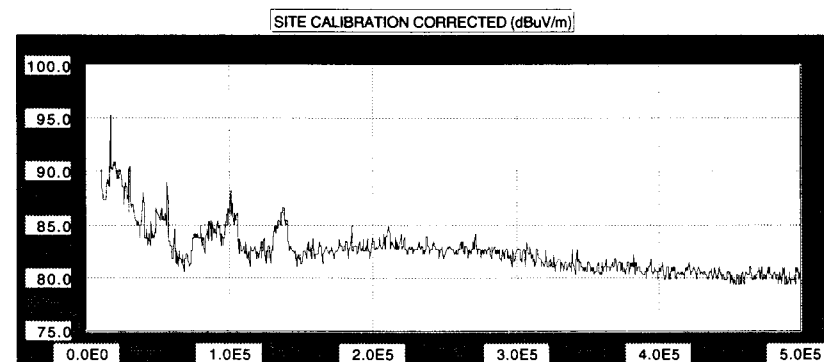
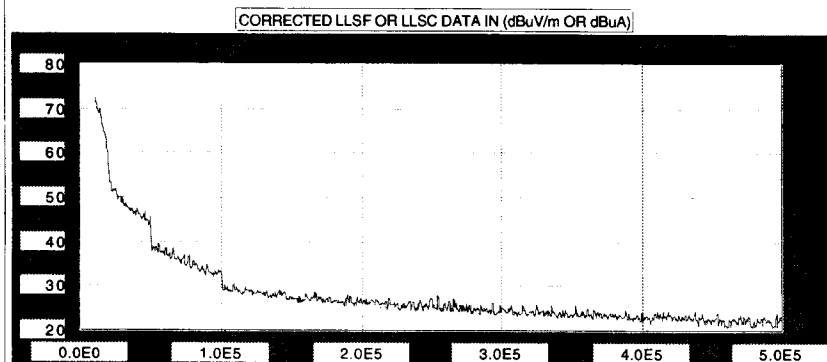
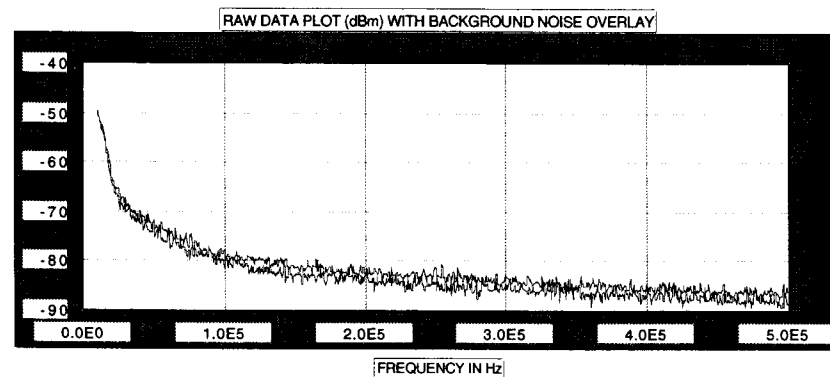
SITE CALIBRATION FILE NAME:

READ FILE NAME:

MAX ATTENUATION (dB):

MIN ATTENUATION (dB):

AVERAGE ATTENUATION (dB):



BAND	TX LOC	RX LOC	POLARITY
2	2	4	H

SITE CALIBRATION FILE NAME
MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM2H21SCC

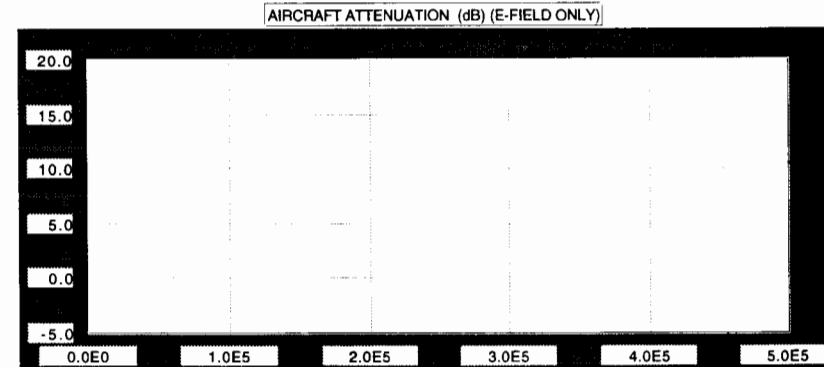
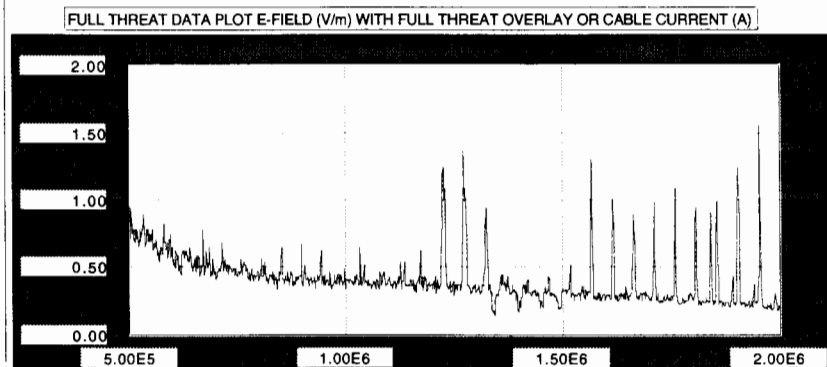
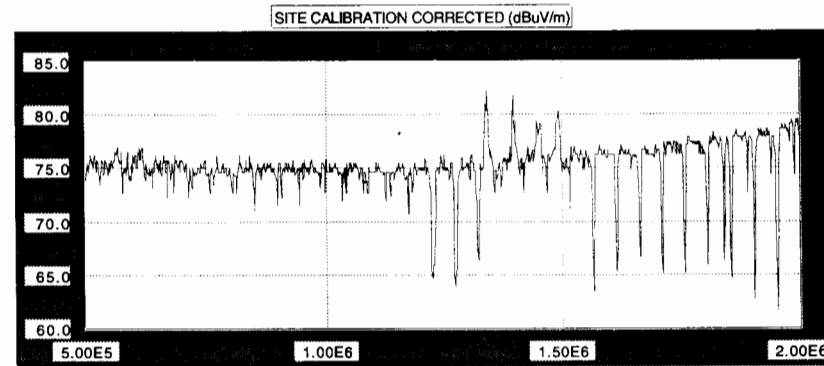
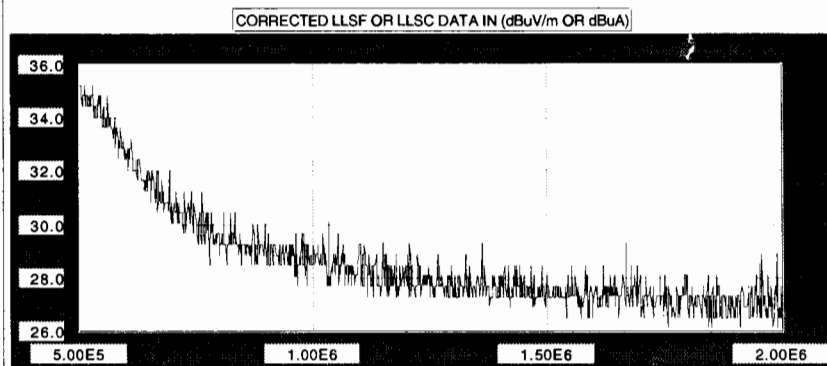
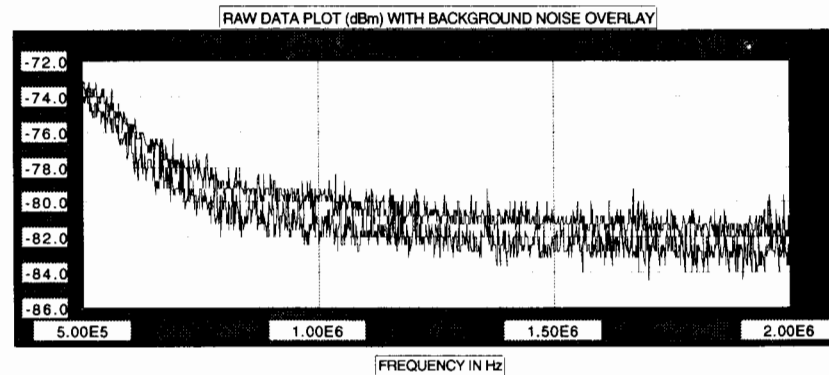
E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
☒	☒	0	0

READ FILE NAME
MONTANA\LABVIEW DATA\LLSC1CCRAWDBM2H24

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



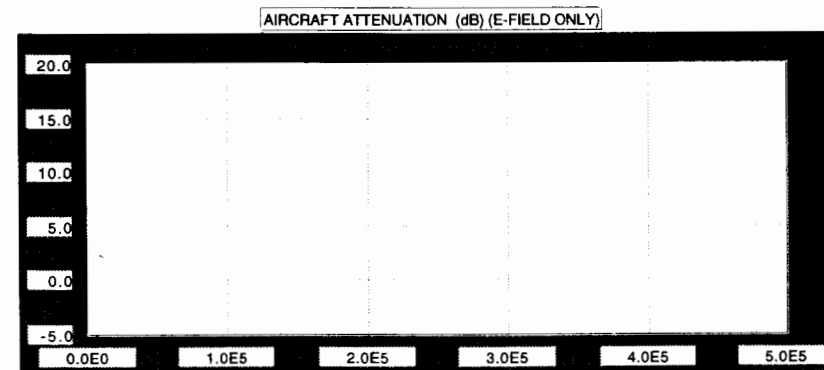
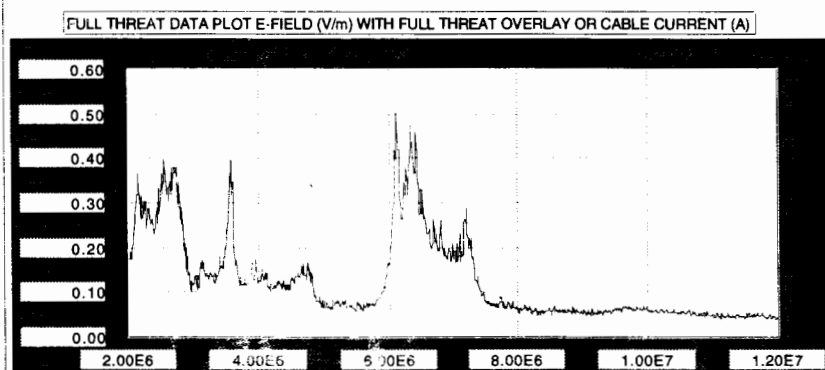
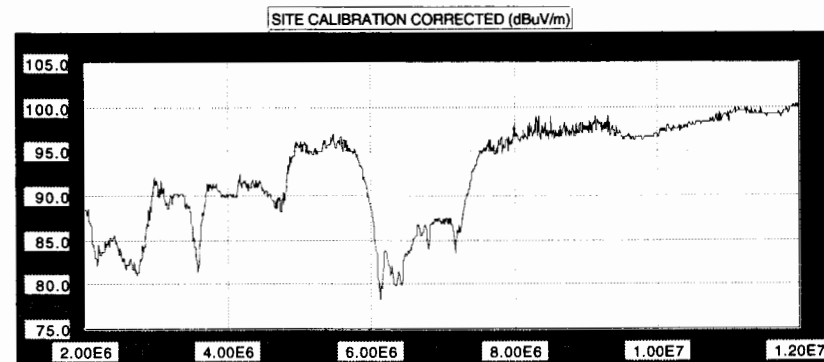
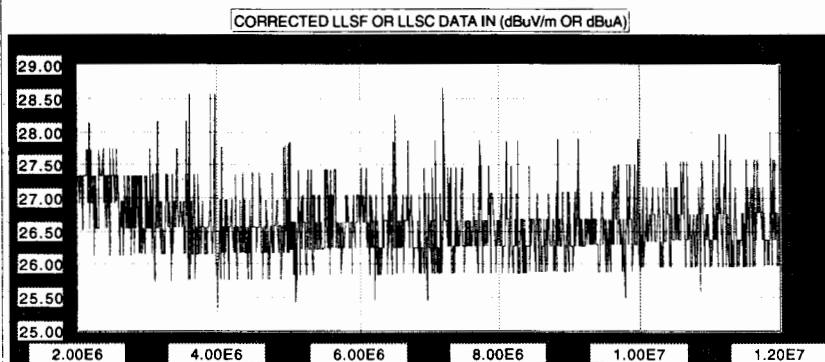
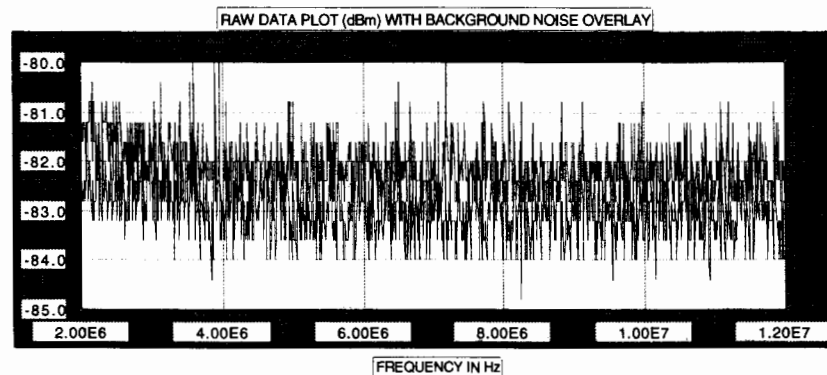
BAND	TX LOC	RX LOC	POLARITY
3	2	4	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM3H24

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFFRAWDBM4H21SCC

E-FIELD ☐ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

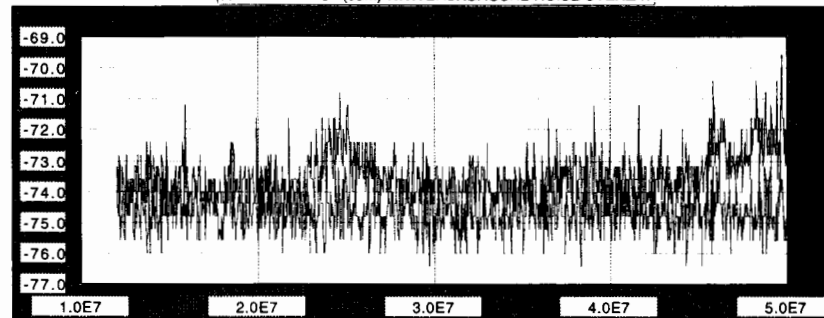
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM4H24

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

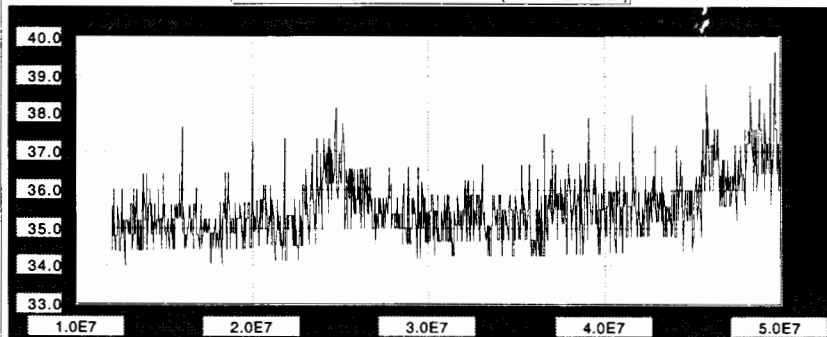
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

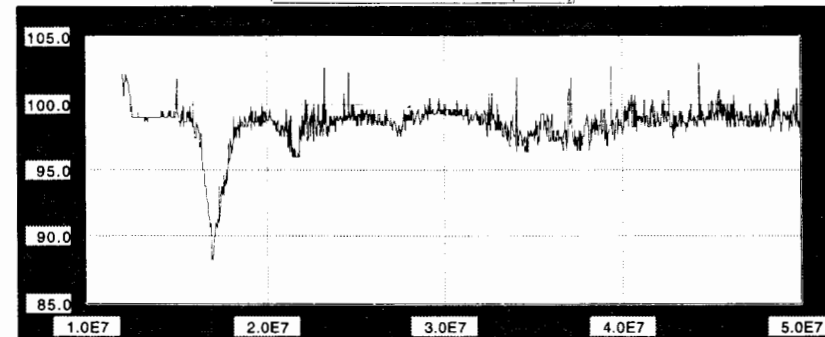


FREQUENCY IN Hz

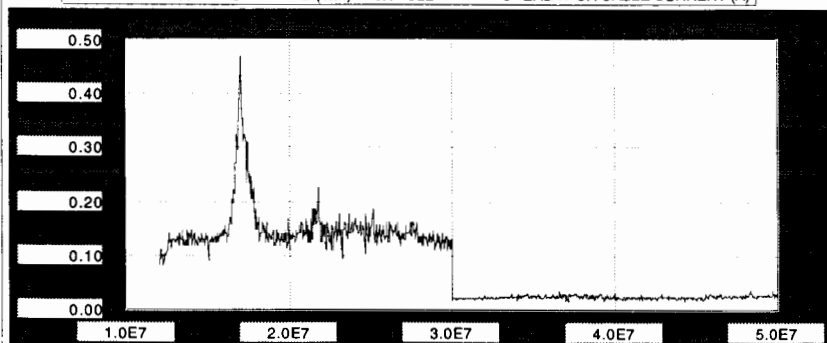
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



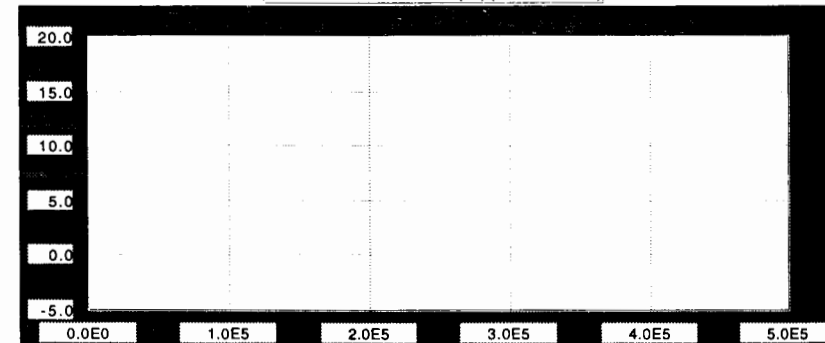
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



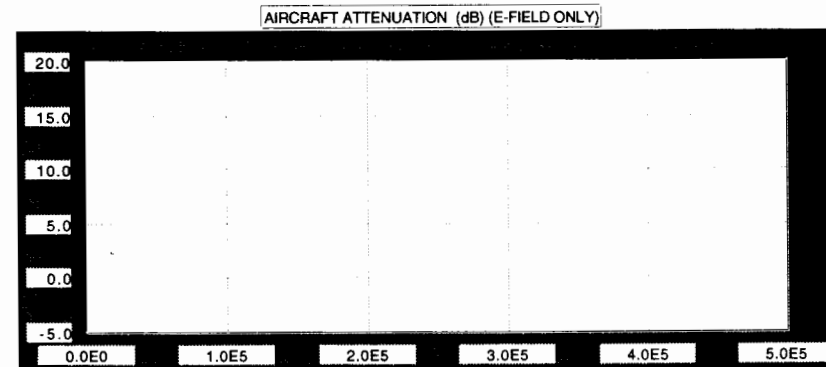
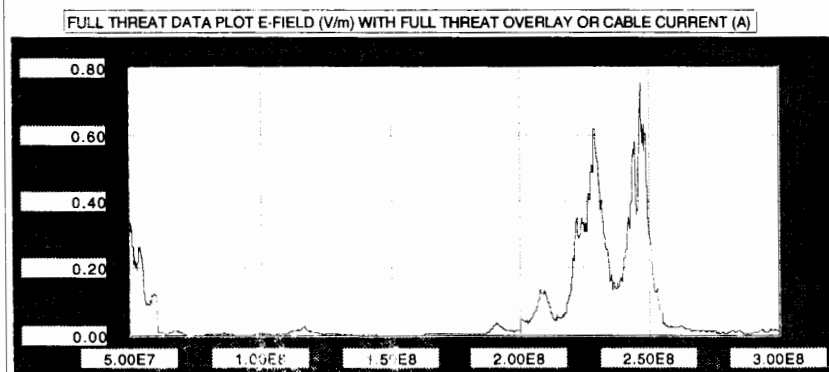
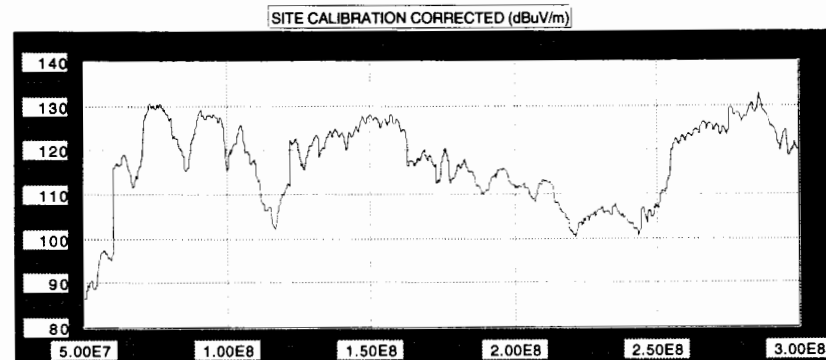
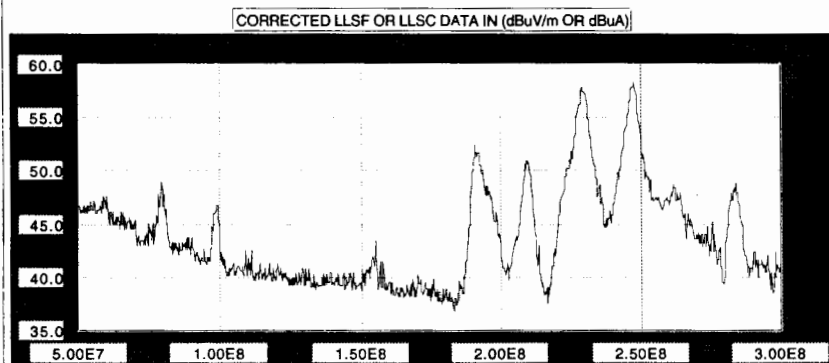
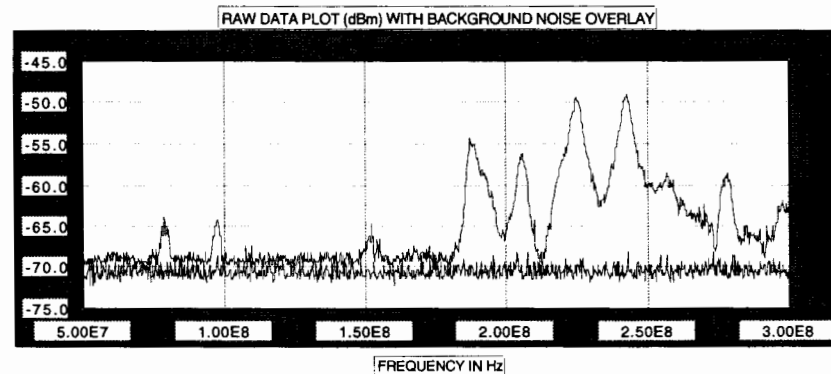
BAND	TX LOC	RX LOC	POLARITY
5	2	4	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM5H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM5H24

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



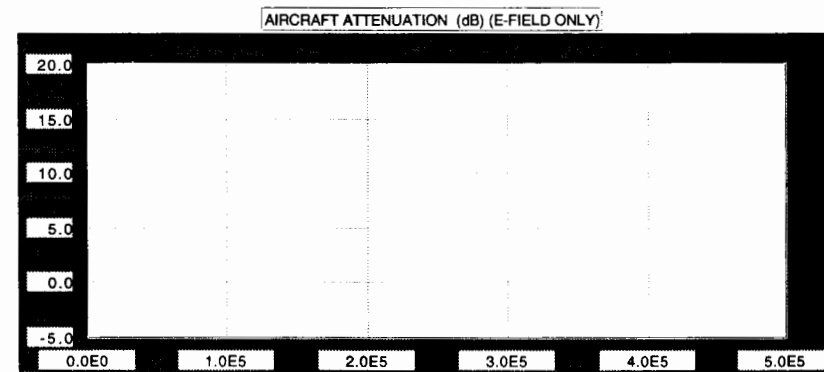
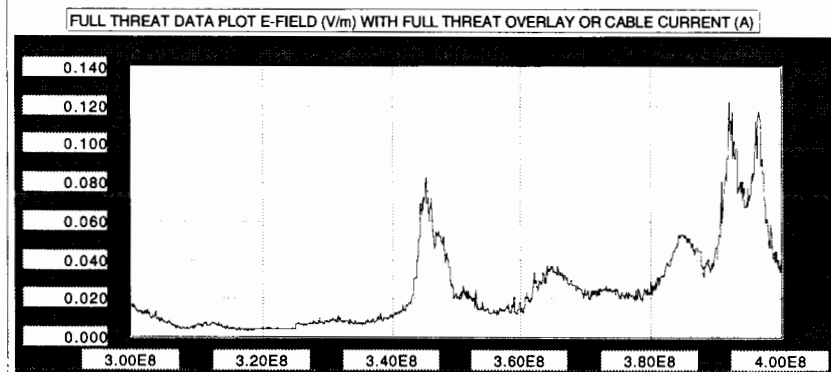
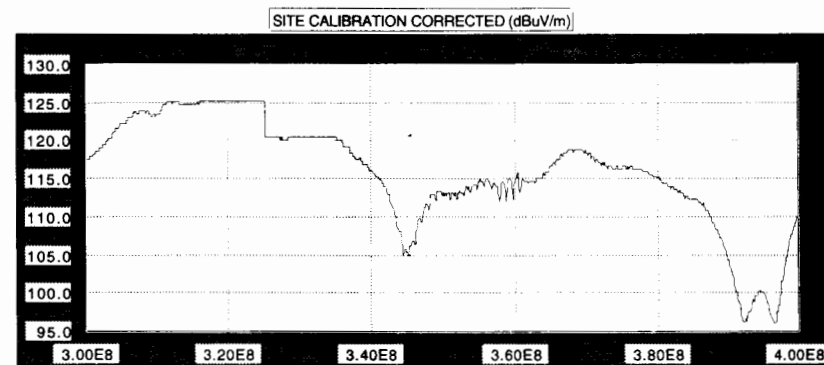
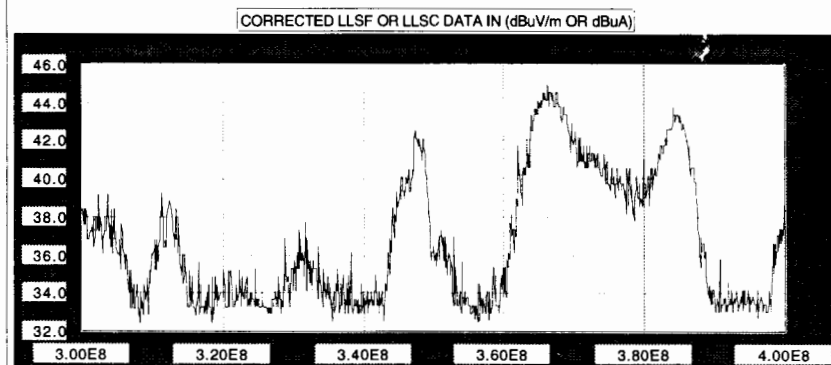
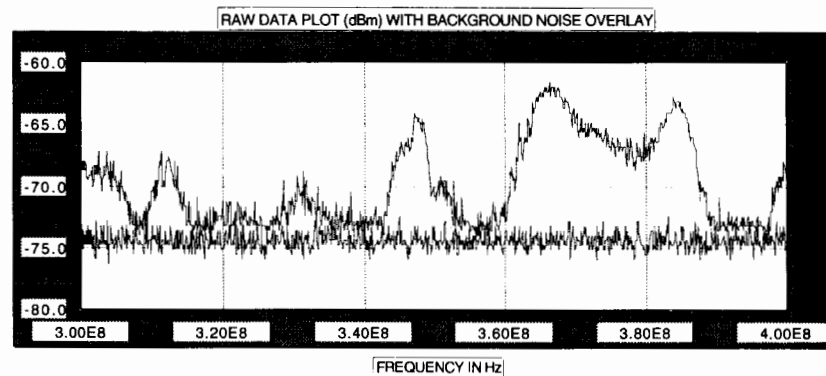
BAND	TX LOC	RX LOC	POLARITY
6	2	4	H

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM6H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
☒	☒	0	0

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM6H24

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
7	2	5	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM7H21SCC

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM7H25

MAX ATTENUATION (dB)

0

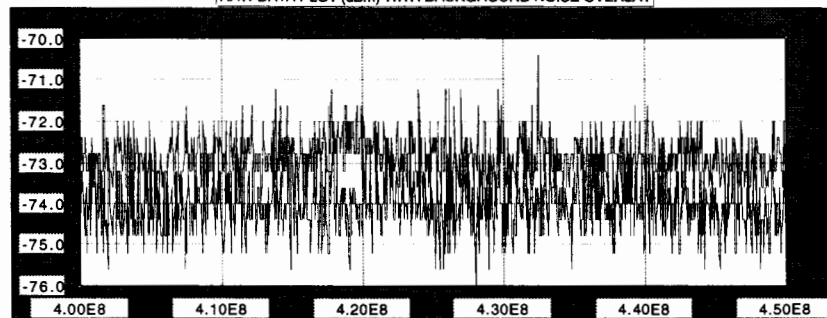
MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

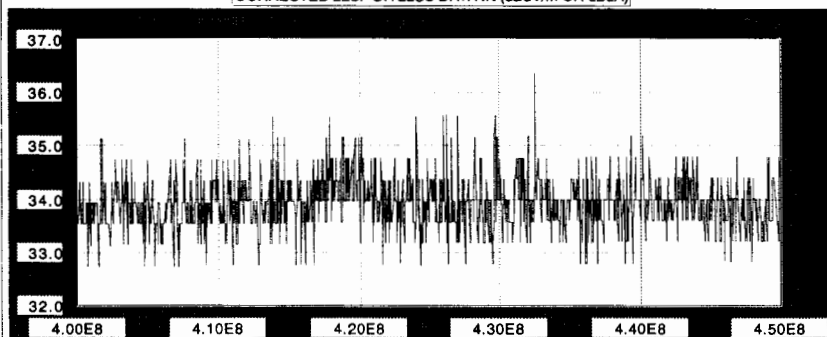
0

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

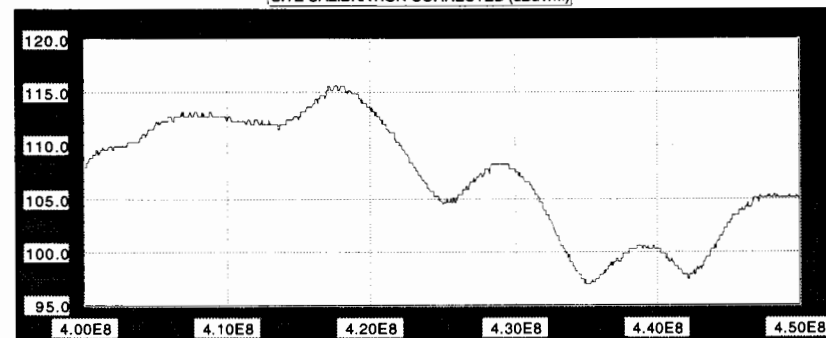


FREQUENCY IN Hz

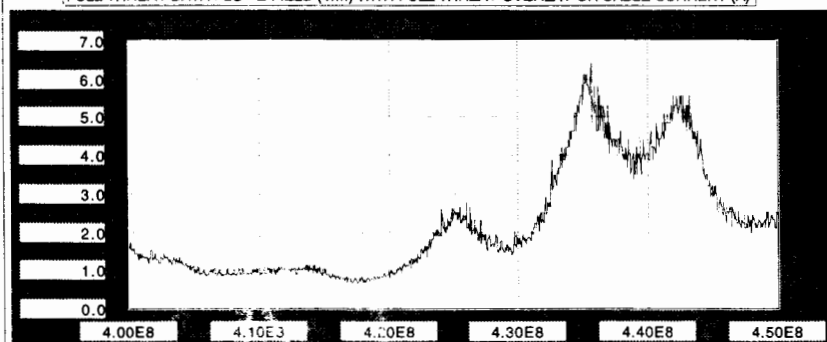
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



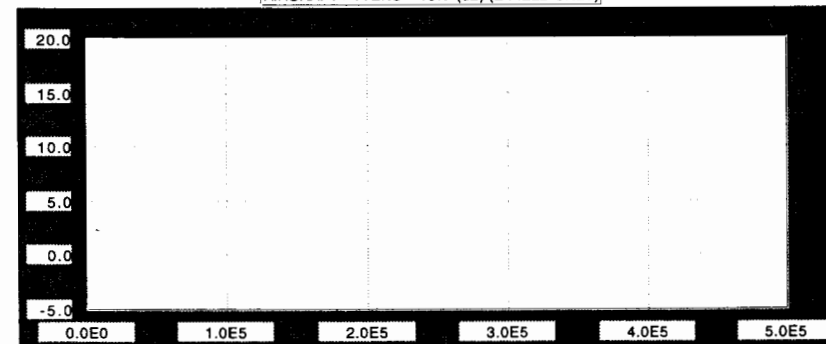
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



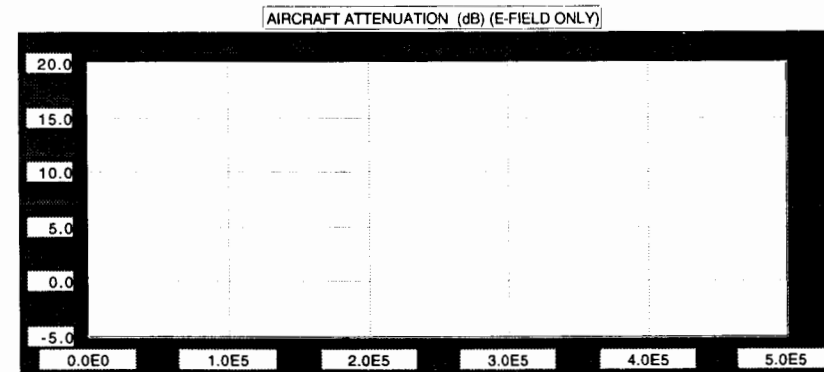
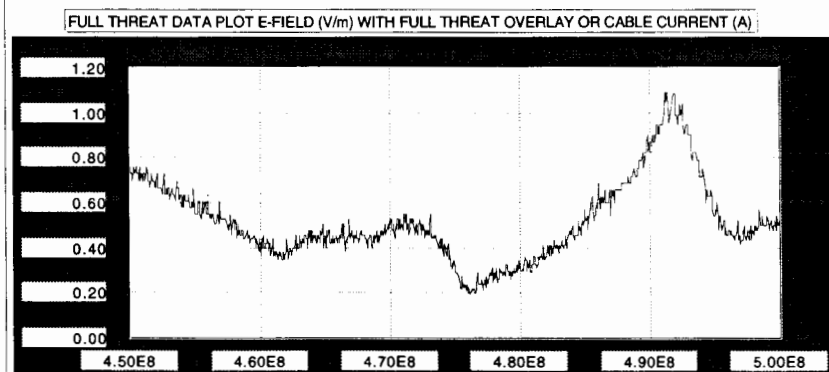
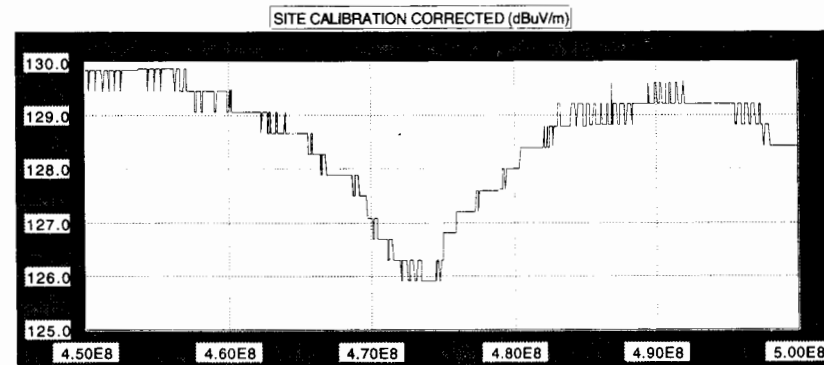
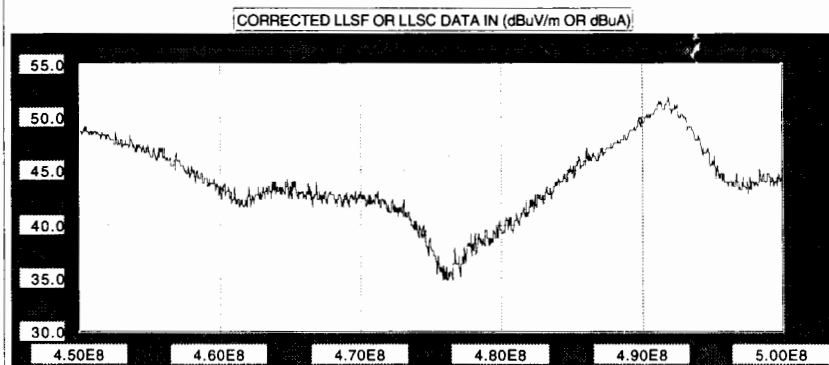
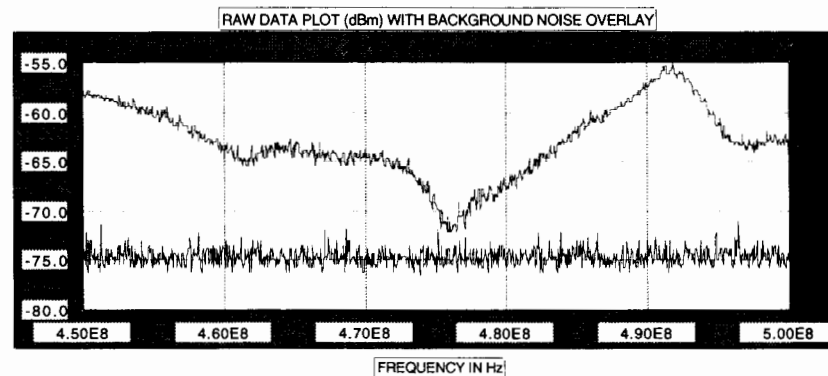
BAND	TX LOC	RX LOC	POLARITY
8	2	5	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
☒	☒	0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM8H25

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
9	2	5	H

SITE CALIBRATION FILE NAME
MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM9H21SCC

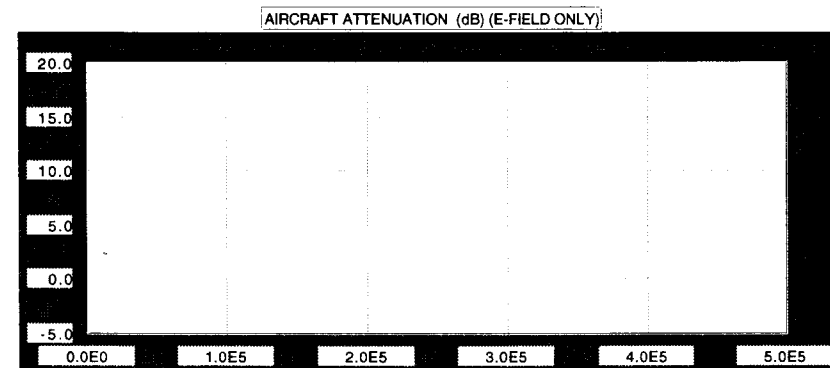
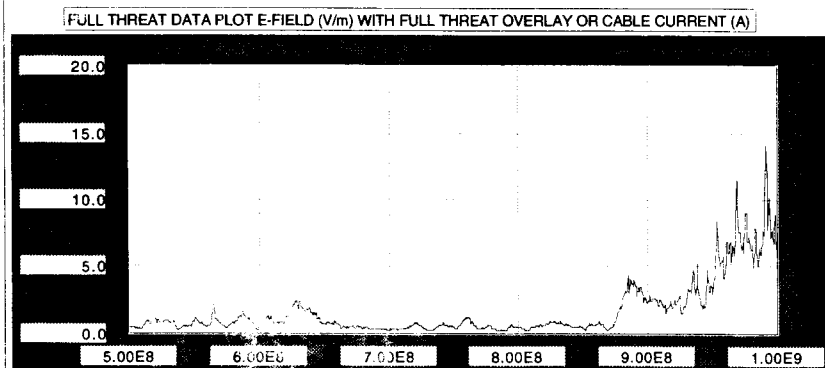
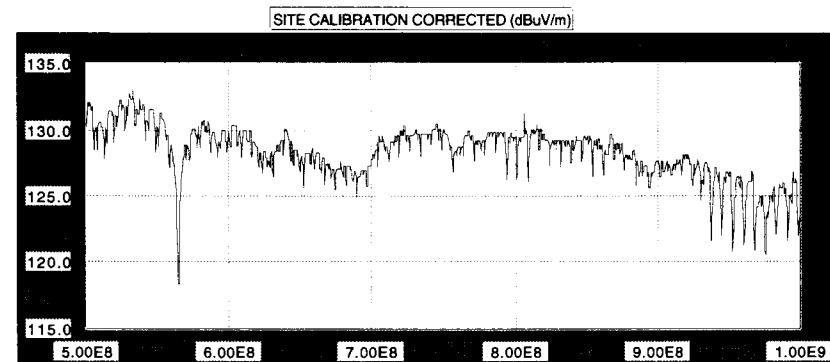
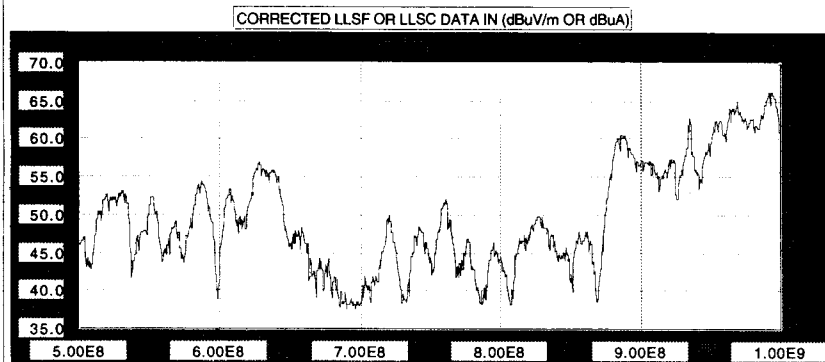
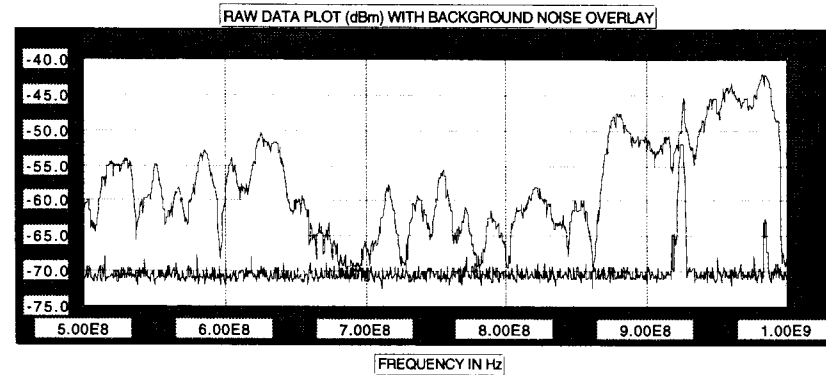
E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA\LABVIEW DATA\LLSC1CCRAWDBM9H25

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



SECTION 2-4
FIRE SENSOR LLSC DATA PLOTS

BAND TX LOC RX LOC POLARITY
1 1 5 H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM1H21SCC

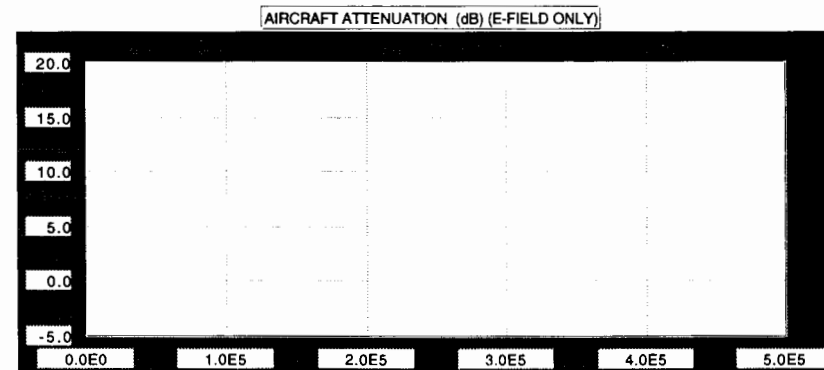
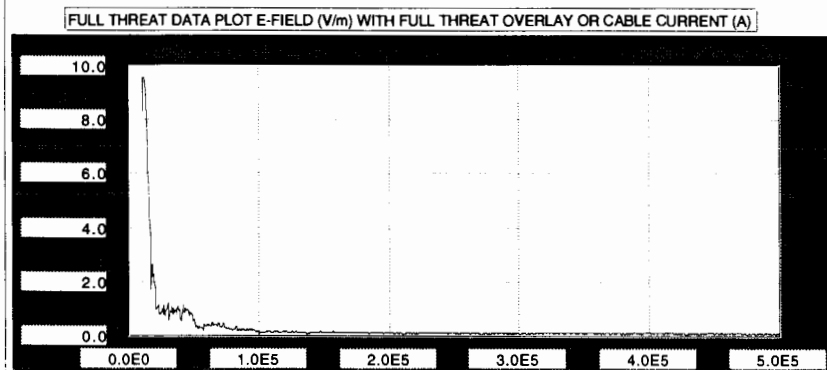
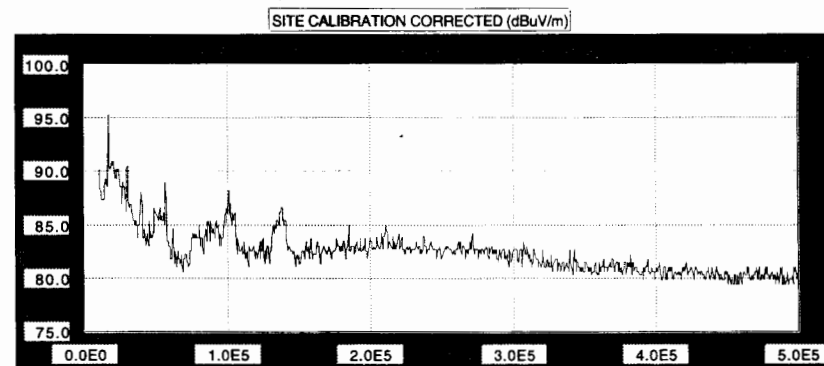
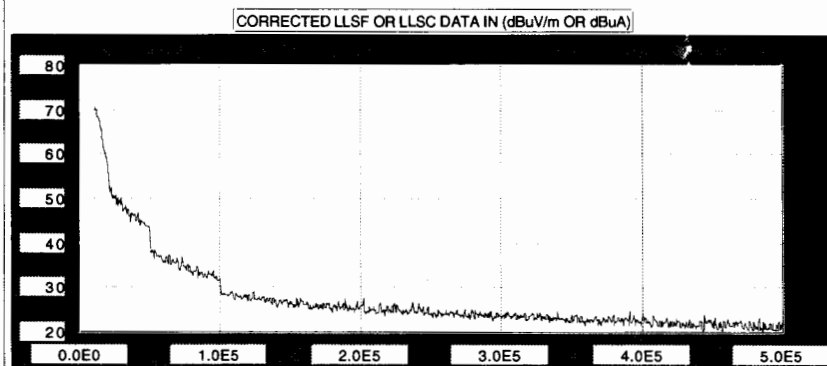
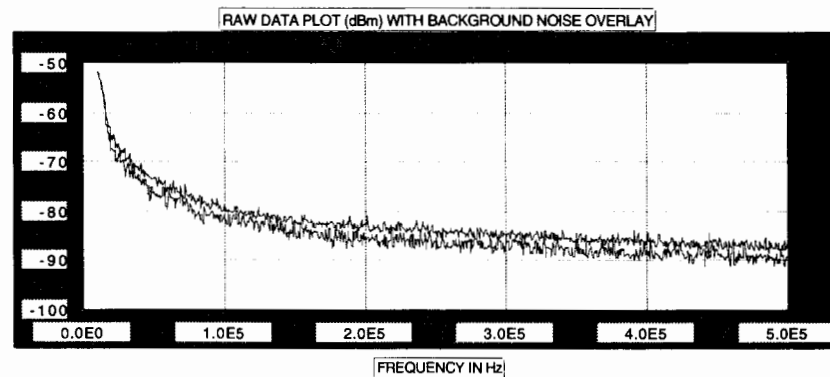
E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS
☒ ☒ 0 0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM1H15

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



BAND: 2
 TX LOC: 1
 RX LOC: 5
 POLARITY: H

SITE CALIBRATION FILE NAME:
 MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM2H21SCC

E-FIELD: ☒
 FILTER ON/OFF: ☒
 FILTER RANK: 0
 DISK STATUS: 0

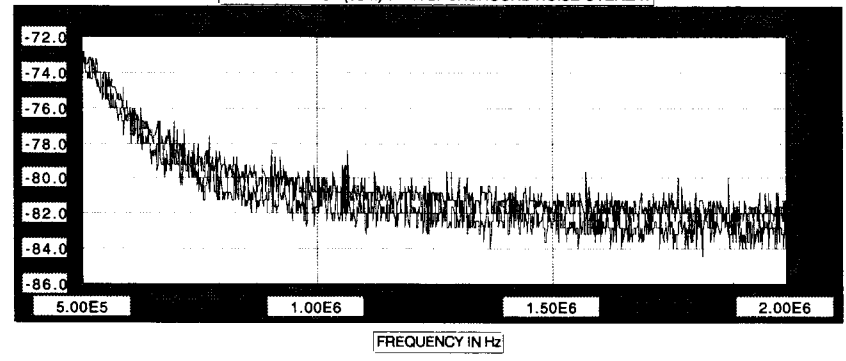
READ FILE NAME:
 MONTANA:LABVIEW DATA:LLSC1CCRAWDBM2H15

MAX ATTENUATION (dB):
 0

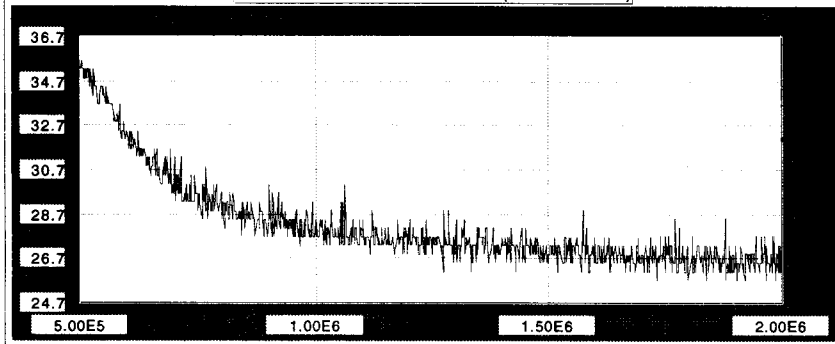
MIN ATTENUATION (dB):
 0

AVERAGE ATTENUATION (dB):
 0

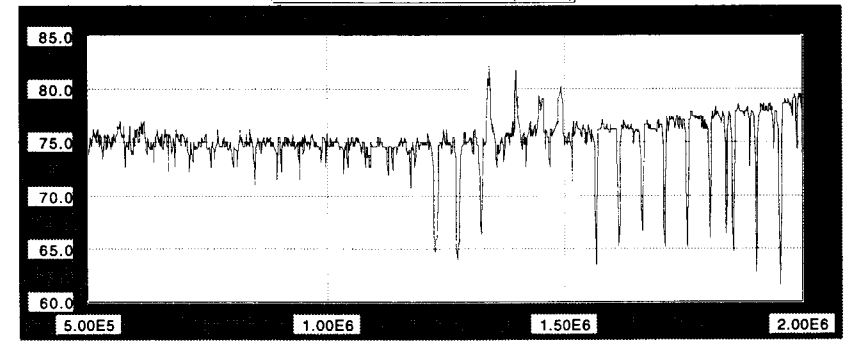
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



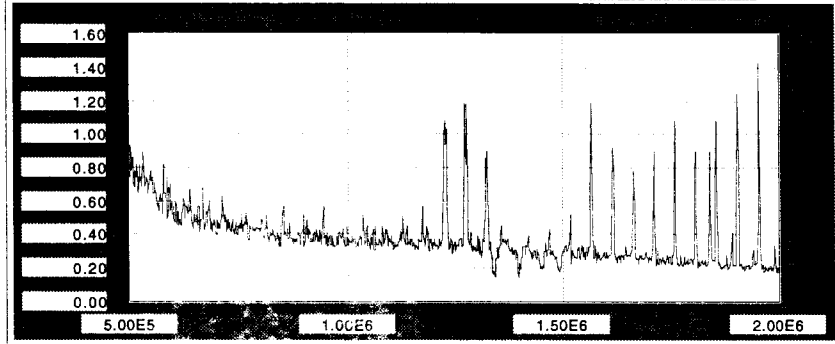
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



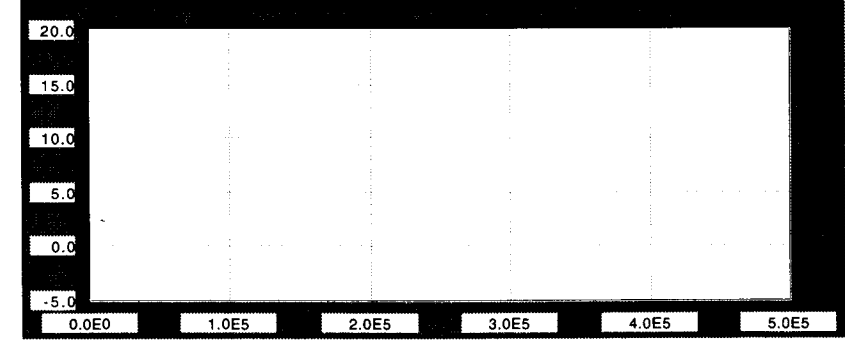
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

3 1 5 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

☒ ☒ 0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM3H15

MAX ATTENUATION (dB)

0

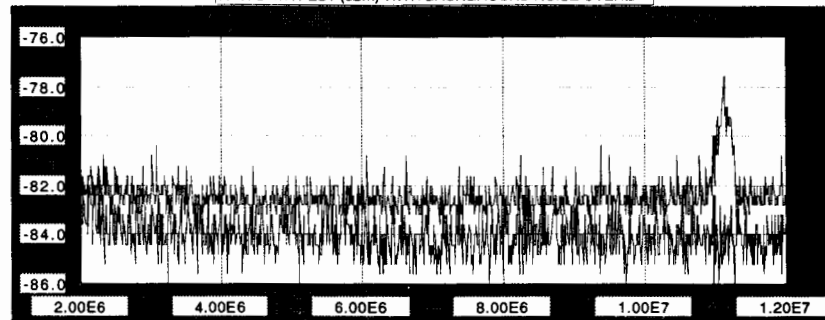
MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

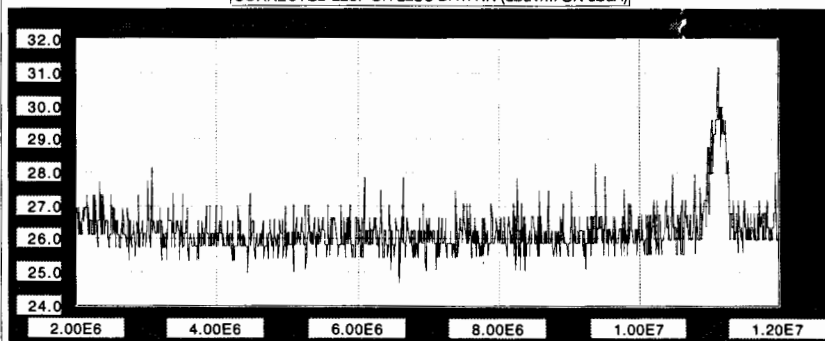
0

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

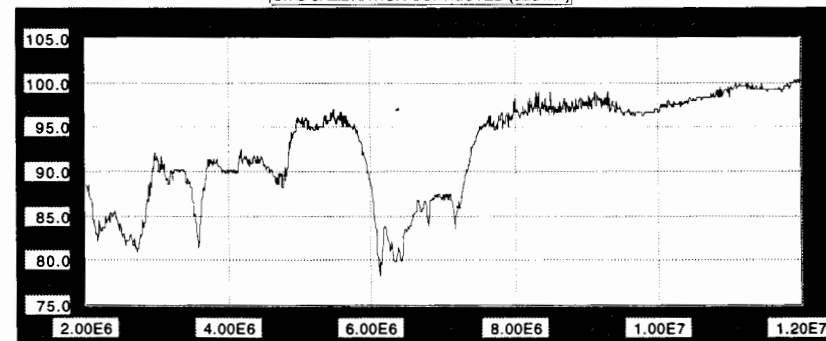


FREQUENCY IN Hz

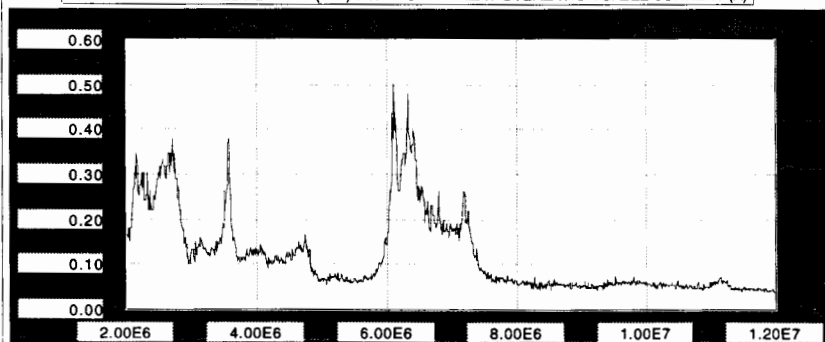
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



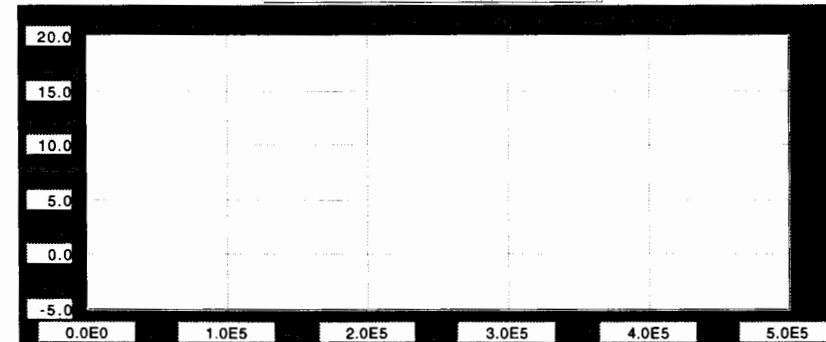
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☒ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

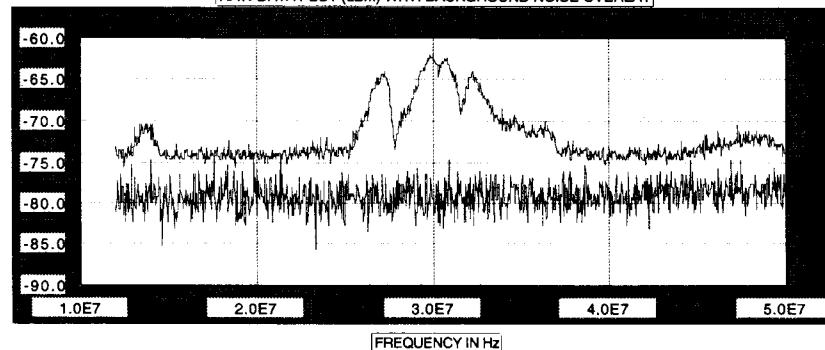
READ FILE NAME

MAX ATTENUATION (dB)

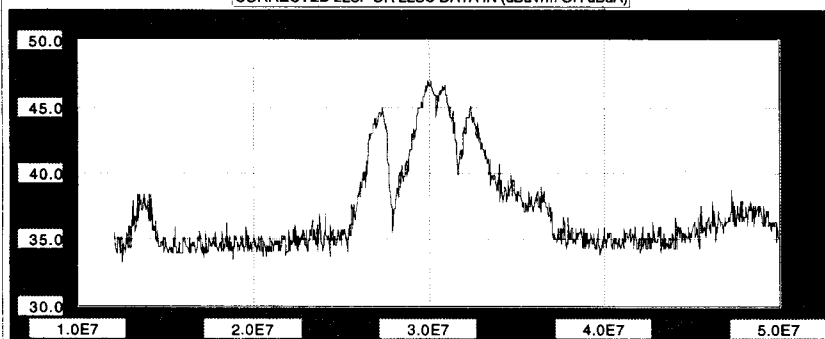
MIN ATTENUATION (dB)

AVERAGE ATTENUATION (dB)

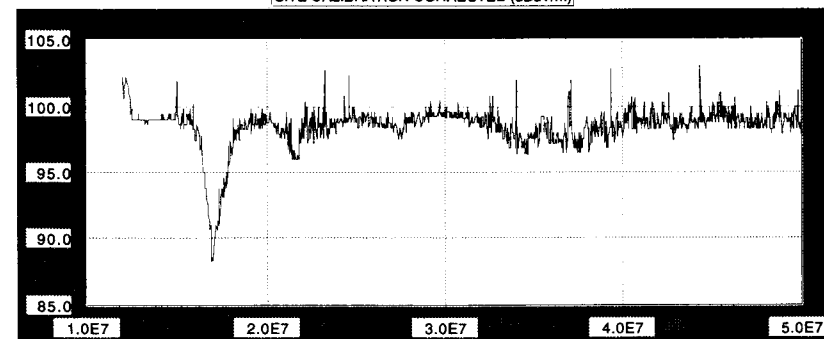
RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY



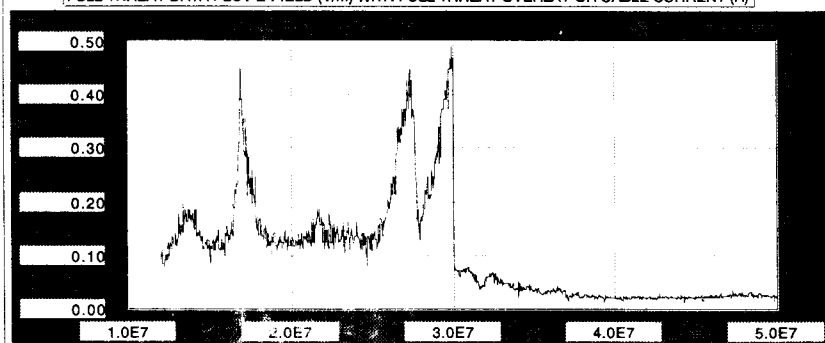
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



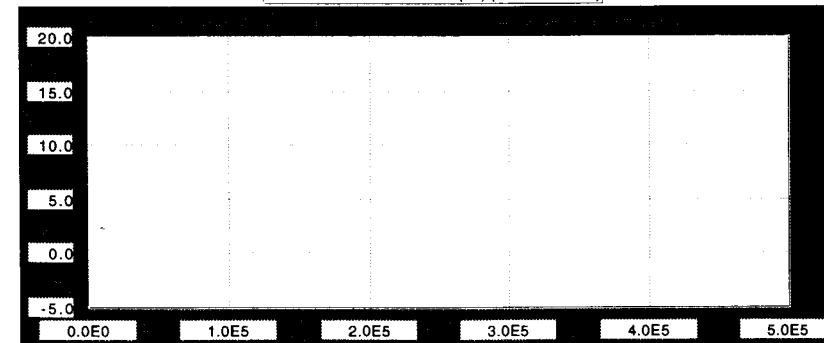
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

5 1 5 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM5H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

☒ ☒ 0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM5H15

MAX ATTENUATION (dB)

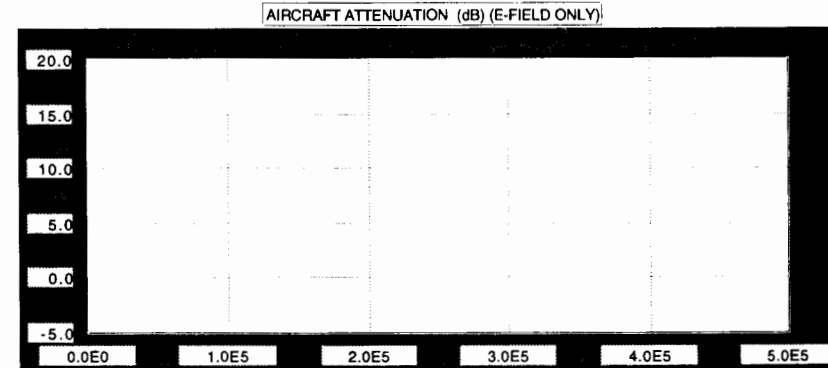
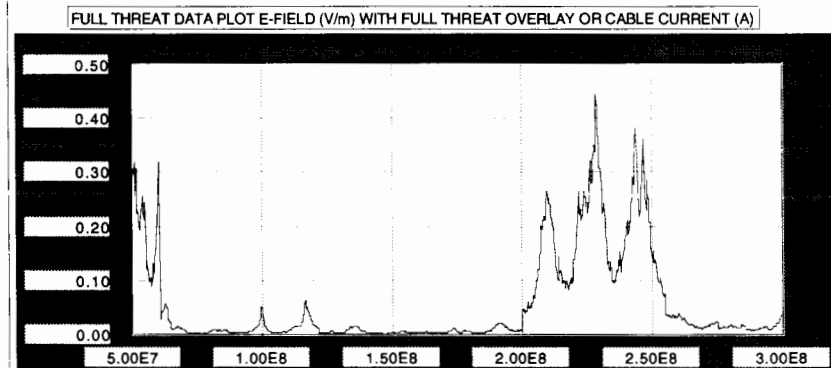
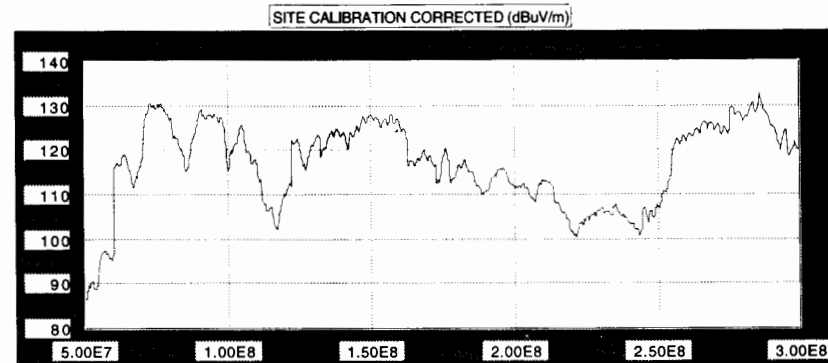
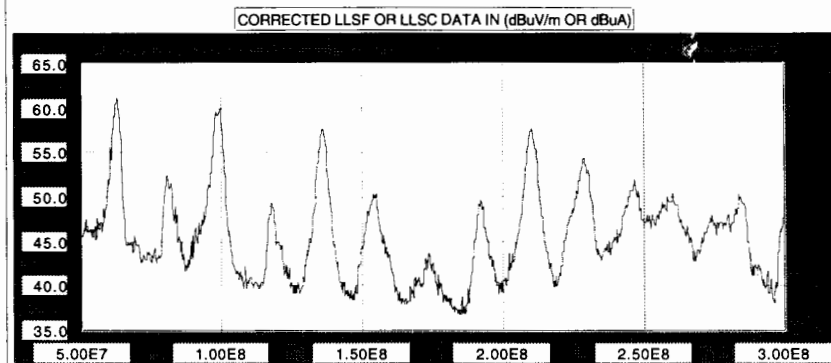
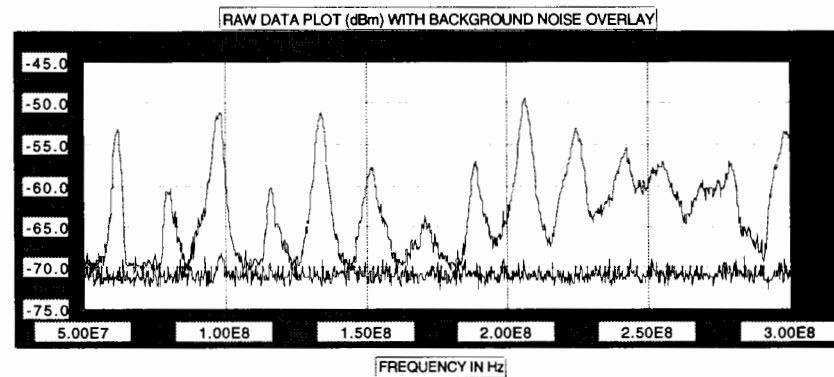
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MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0



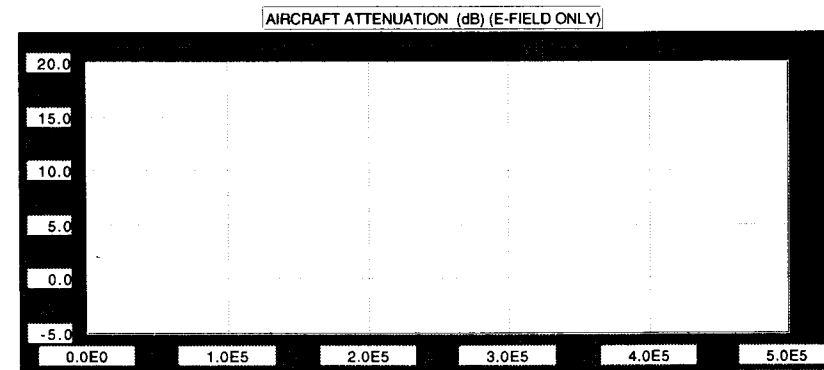
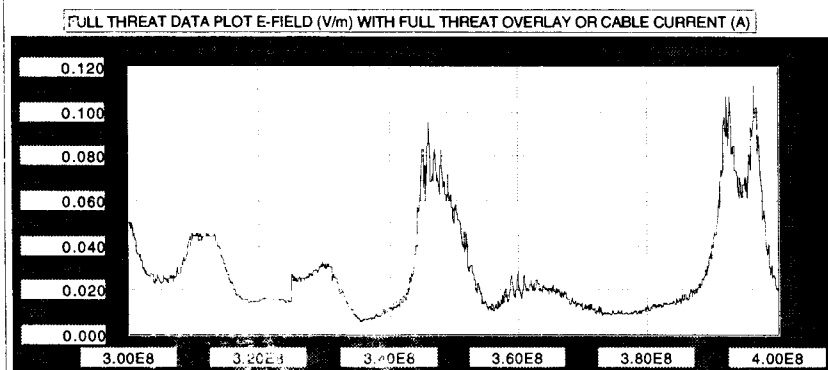
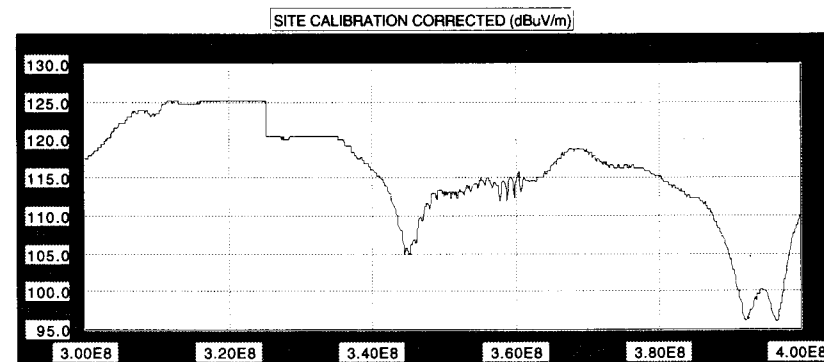
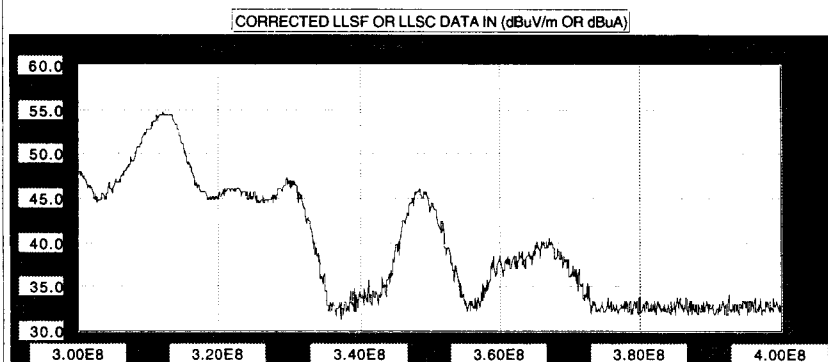
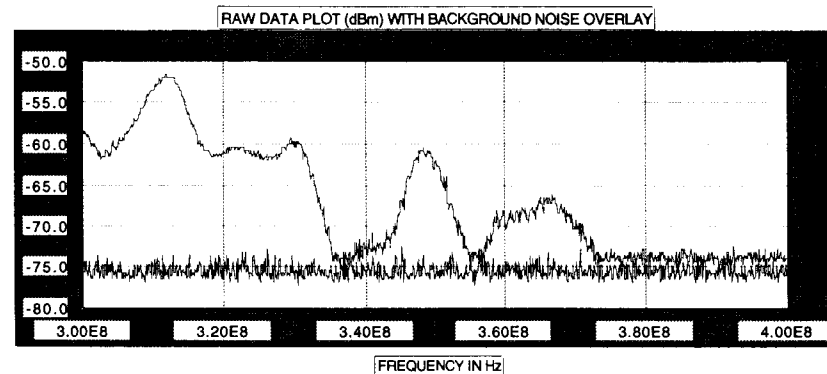
BAND	TX LOC	RX LOC	POLARITY
6	1	5	H

SITE CALIBRATION FILE NAME
MONTANA\SCAL\SCAL21\LLSC4EFRAWDBM6H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA\LABVIEW DATA\LLSC1CCRAWDBM6H15

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



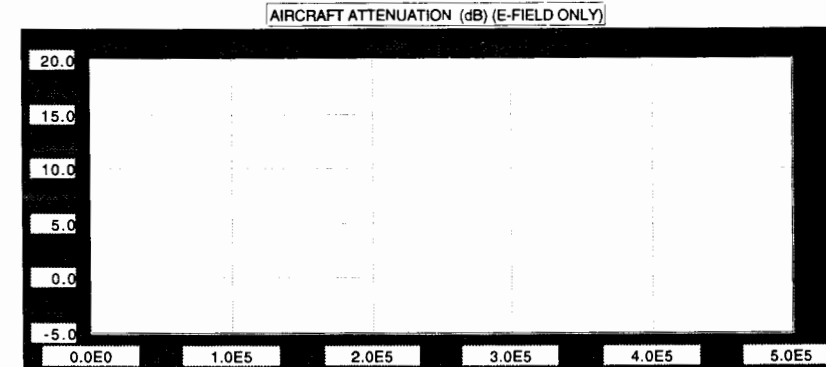
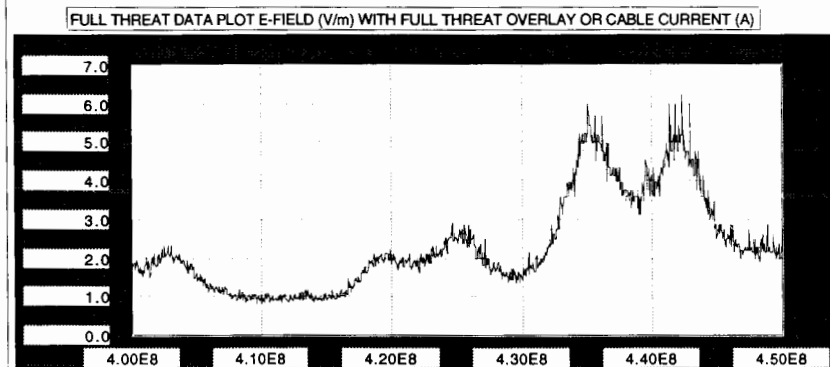
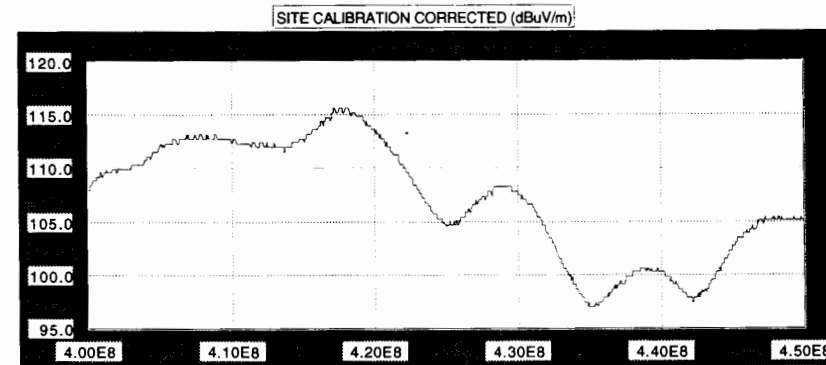
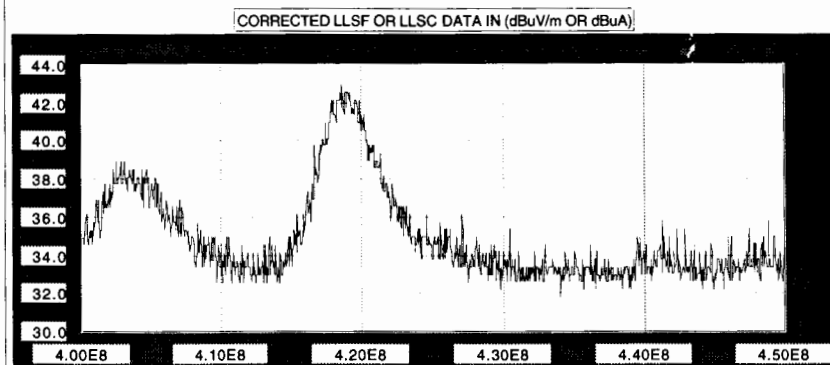
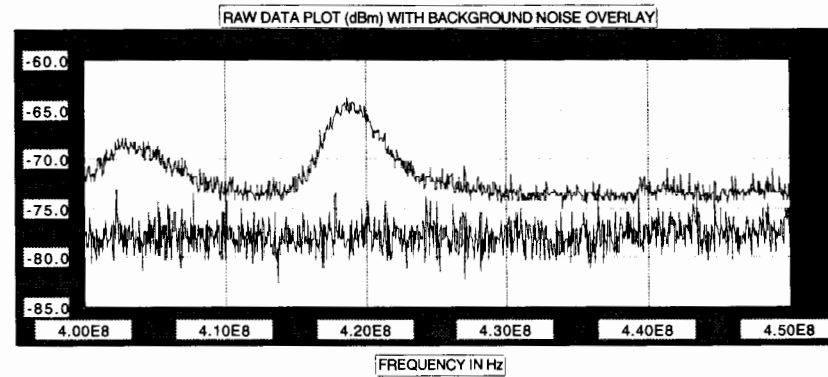
BAND	TX LOC	RX LOC	POLARITY
7	1	4	H

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM7H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM7H14

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
8	1	4	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM8H21SCC

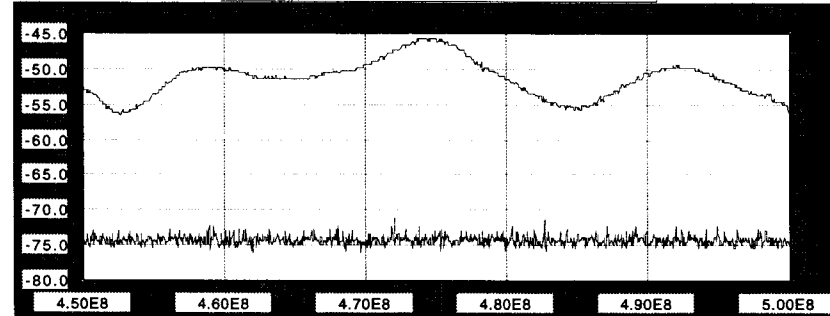
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM8H14

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

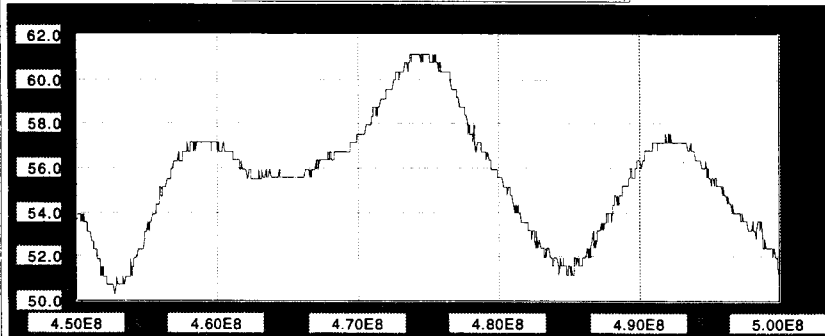
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

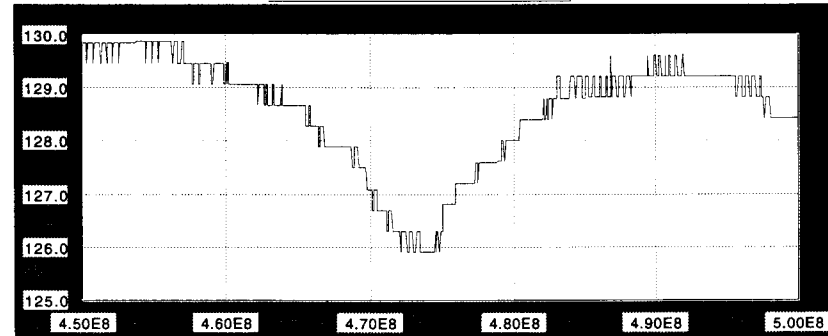


FREQUENCY IN Hz

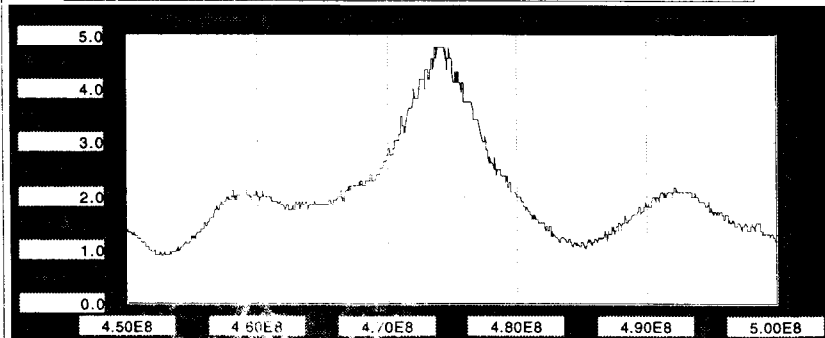
CORRECTED LLSC OR LLSC DATA IN (dBuV/m OR dBuA)



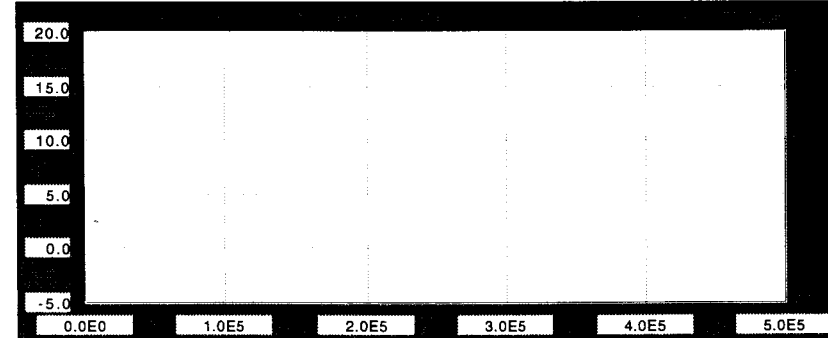
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

9 1 4 H

SITE CALIBRATION FILE NAME

MONTANA:SCAL:SCAL21:LLSC4EFAWDBM9H21SCC

E-FIELD FILTER ON/OFF FILTER RANK DISK STATUS

☒ ☒ 0 0

READ FILE NAME

MONTANA:LABVIEW DATA:LLSC1CCRAWDBM9H14

MAX ATTENUATION (dB)

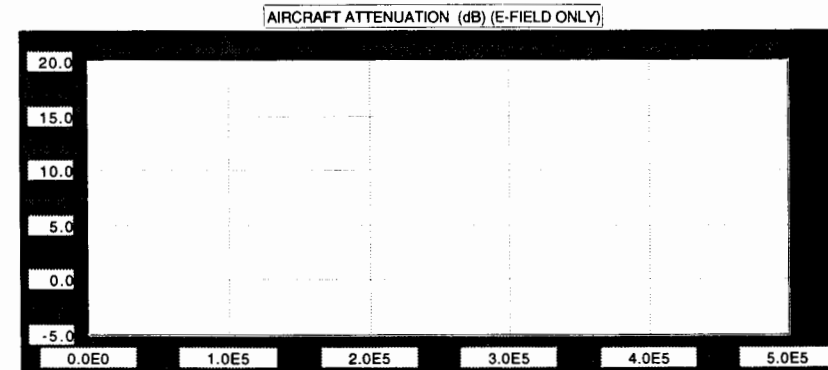
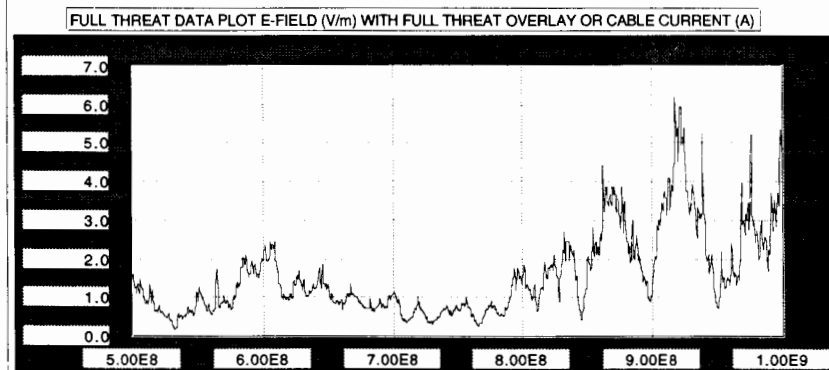
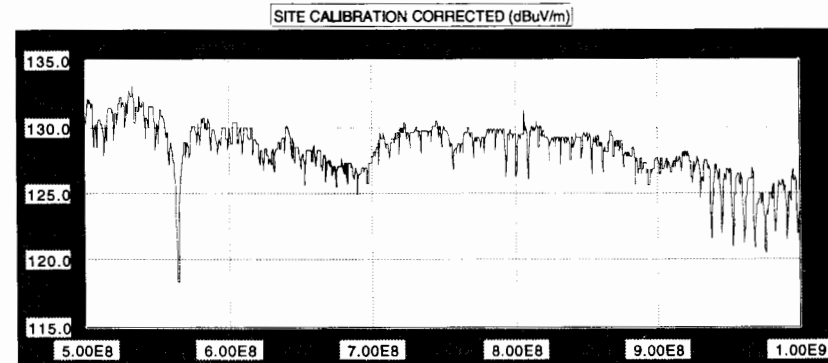
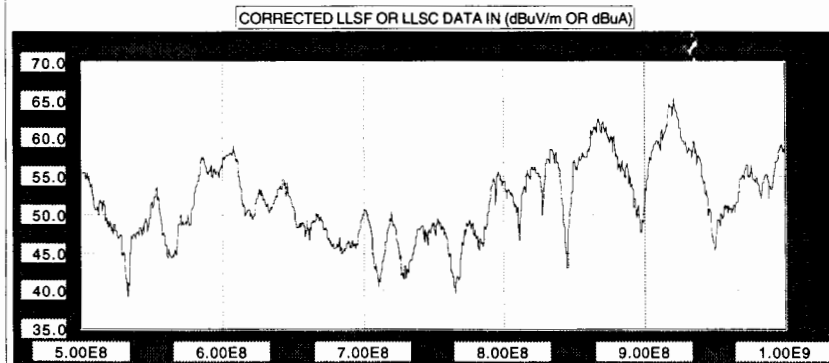
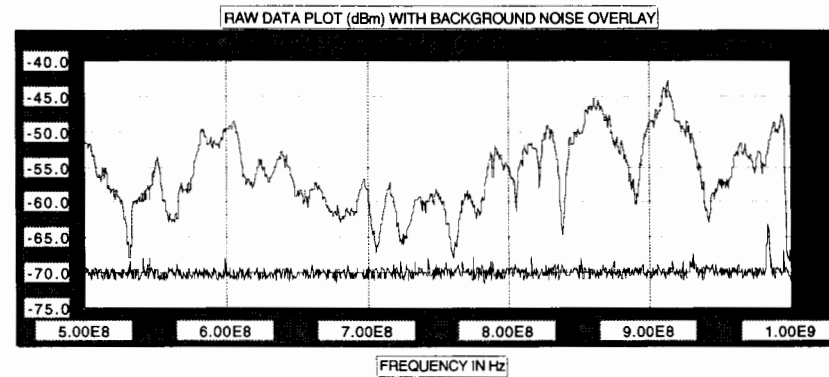
0

MIN ATTENUATION (dB)

0

AVERAGE ATTENUATION (dB)

0



BAND	TX LOC	RX LOC	POLARITY
1	2	5	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM1H21SCC

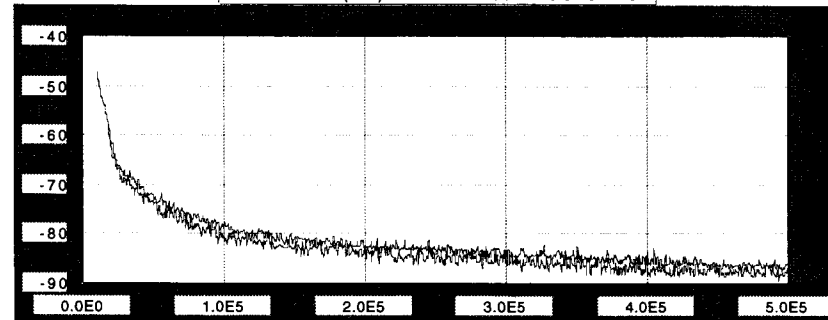
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM1H25

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

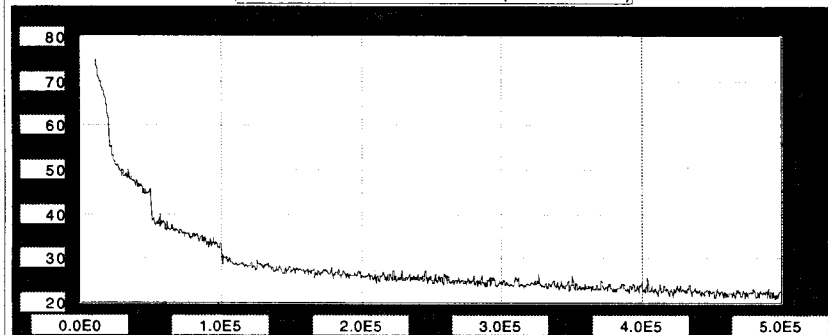
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

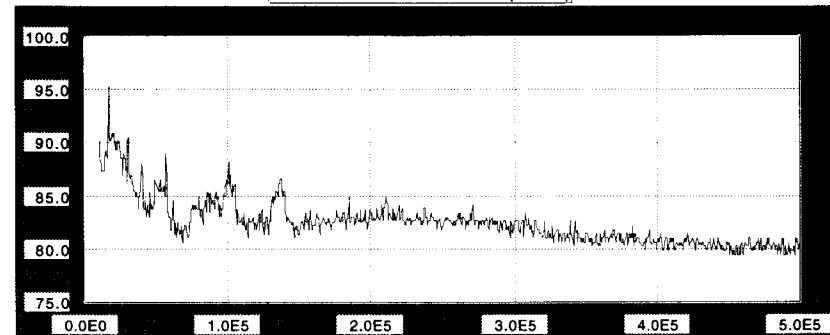


FREQUENCY IN Hz

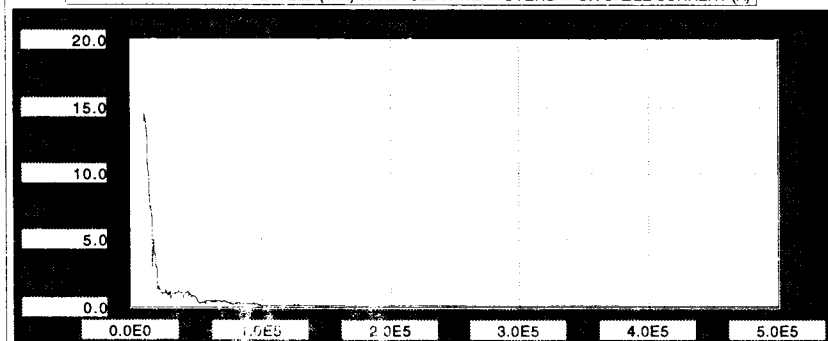
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



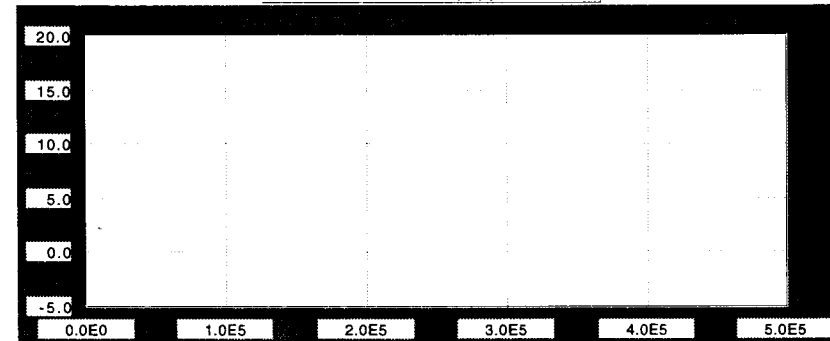
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND TX LOC RX LOC POLARITY

SITE CALIBRATION FILE NAME

E-FIELD ☒ FILTER ON/OFF ☒ FILTER RANK DISK STATUS

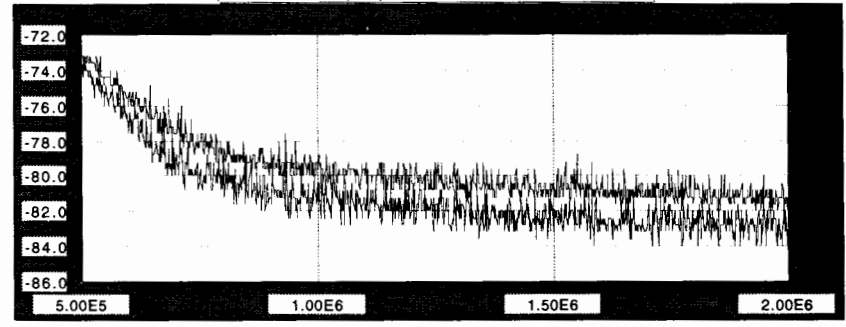
READ FILE NAME

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

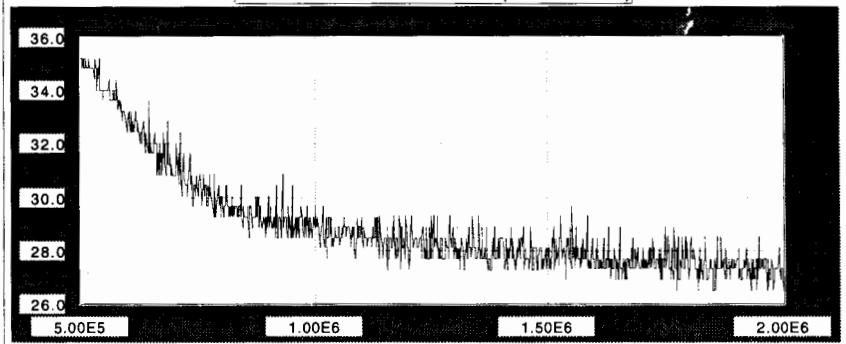
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

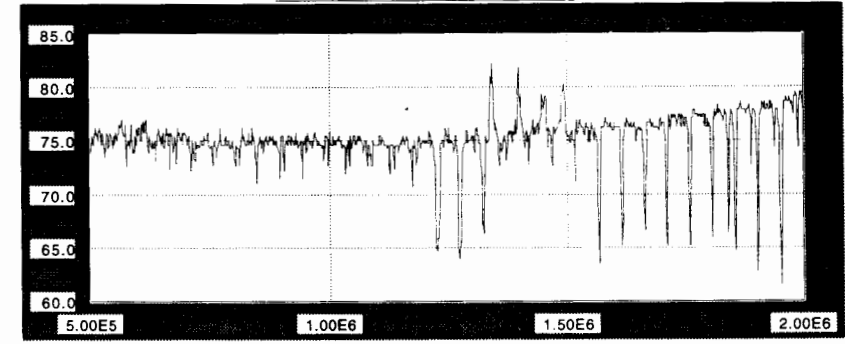


FREQUENCY IN Hz

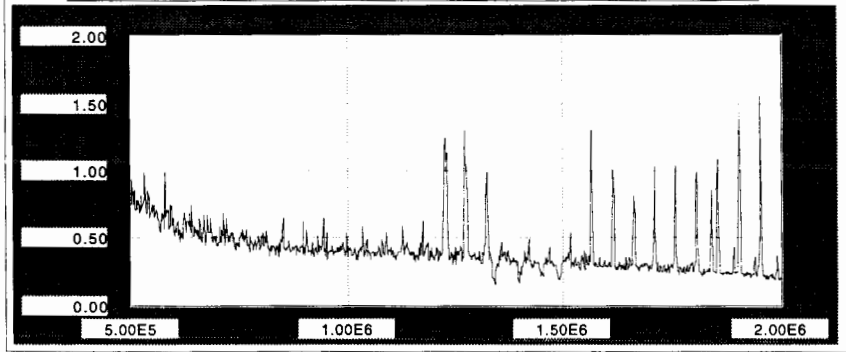
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



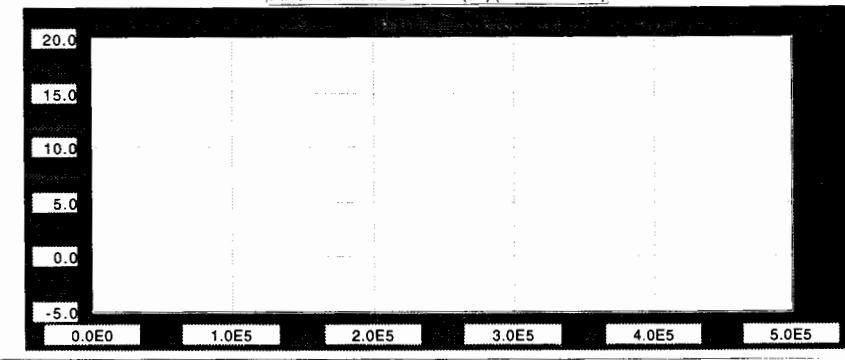
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND	TX LOC	RX LOC	POLARITY
3	2	5	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM3H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

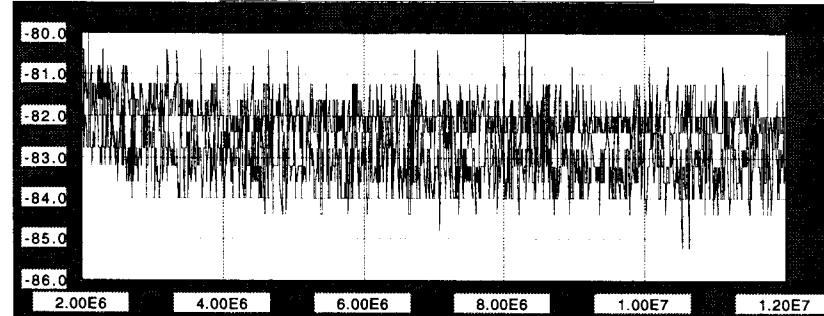
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM3H25

MAX ATTENUATION (dB)

MIN ATTENUATION (dB)

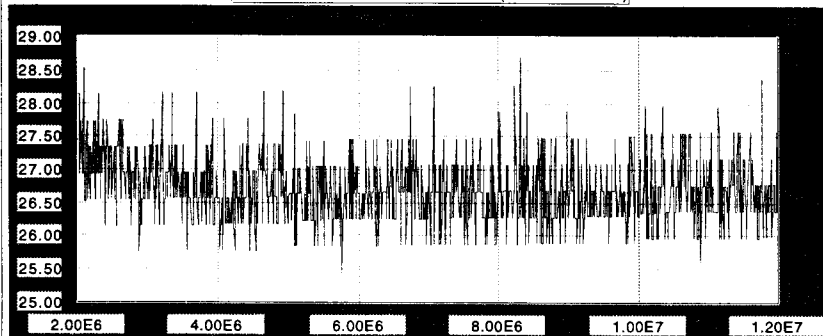
AVERAGE ATTENUATION (dB)

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

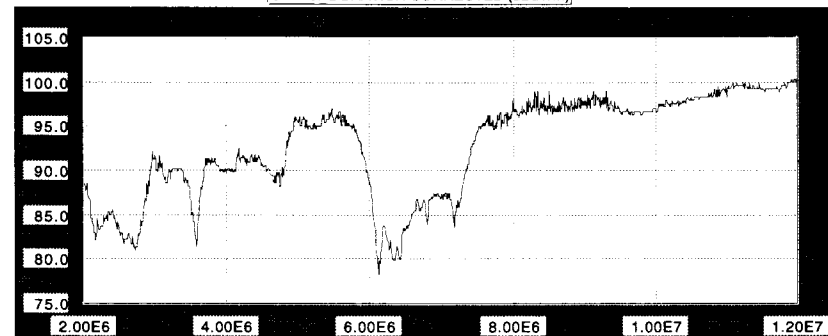


FREQUENCY IN Hz

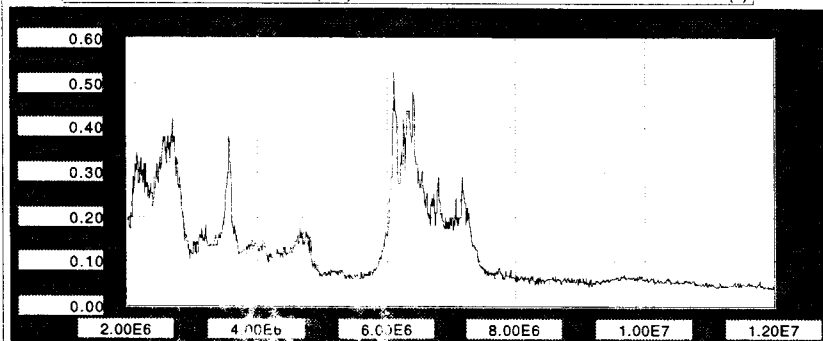
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



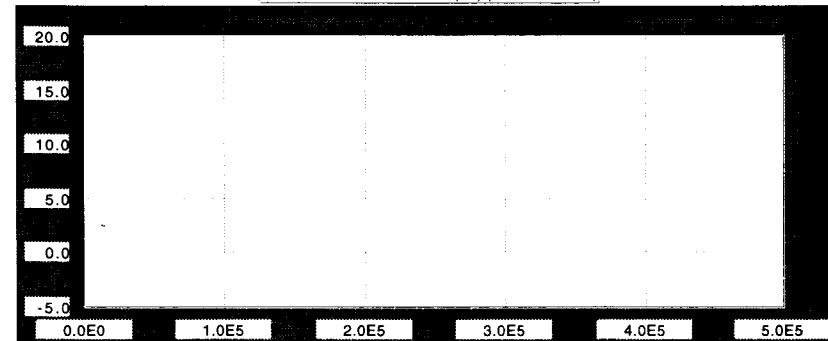
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



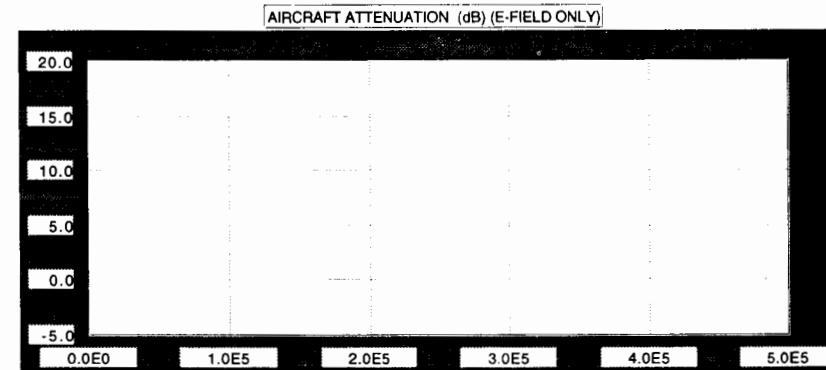
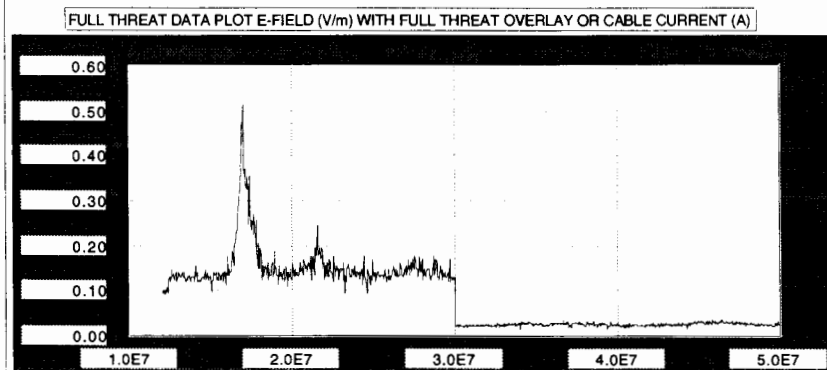
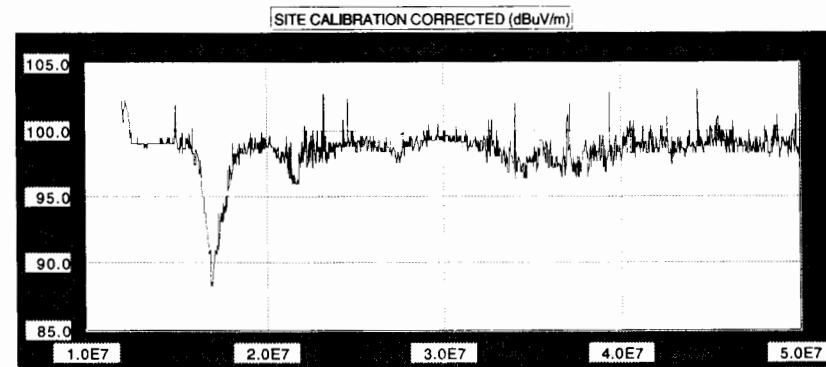
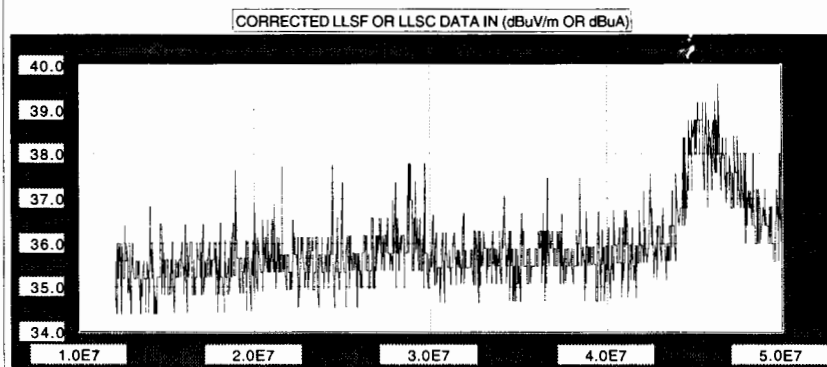
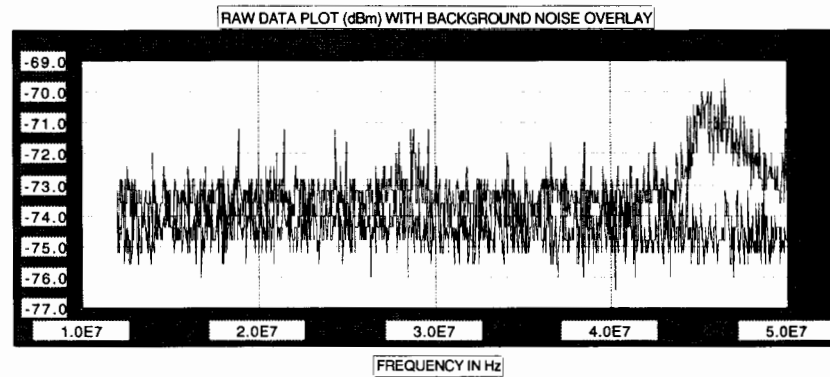
BAND	TX LOC	RX LOC	POLARITY
4	2	5	H

SITE CALIBRATION FILE NAME
MONTANA\SCAL\SCAL21\LLSC4E\RAWDBM4H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA\LABVIEW DATA\LLSC1CCRAWDBM4H25

MAX ATTENUATION (dB)
0
MIN ATTENUATION (dB)
0
AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
5	2	5	H

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM5H21SCC

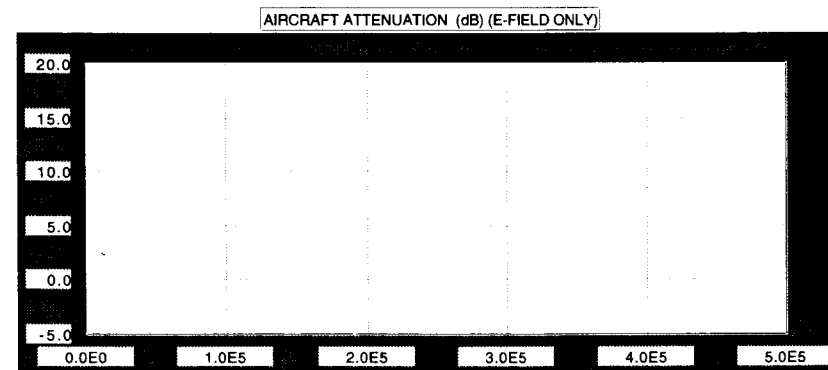
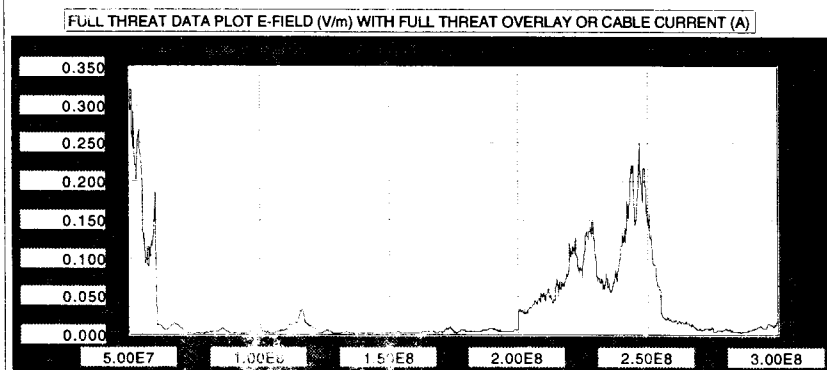
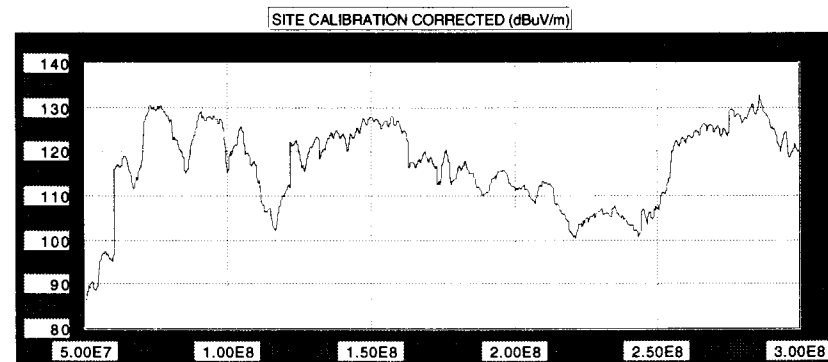
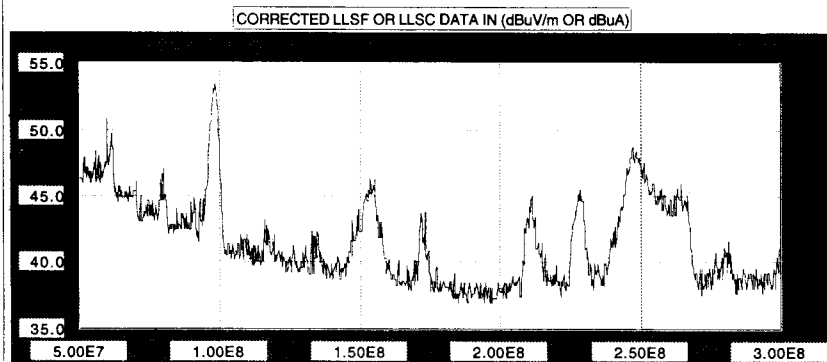
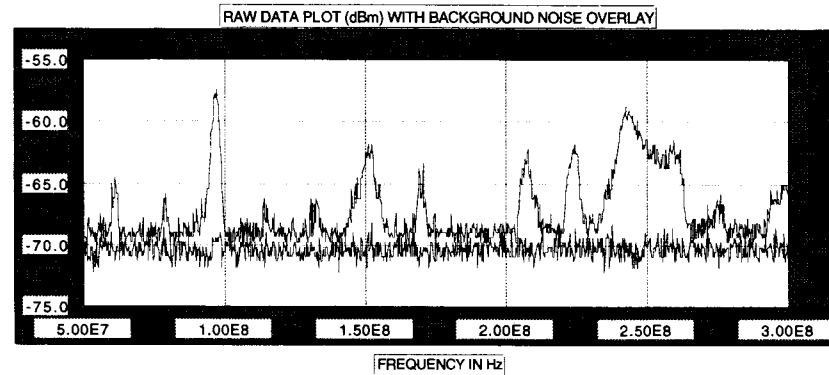
E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM5H25

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

AVERAGE ATTENUATION (dB)
0



BAND	TX LOC	RX LOC	POLARITY
6	2	5	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM6H21SCC

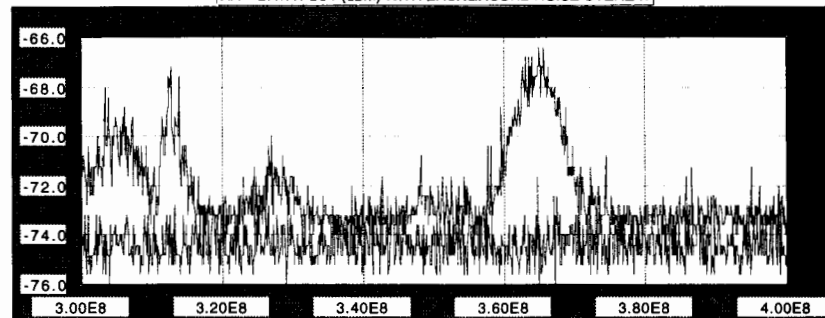
READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM6H25

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

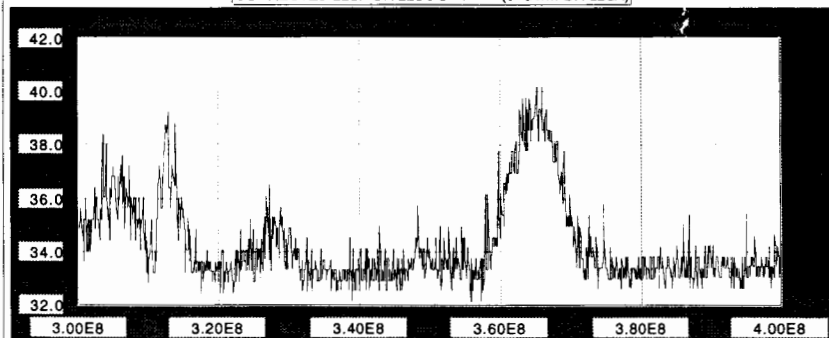
AVERAGE ATTENUATION (dB)
0

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

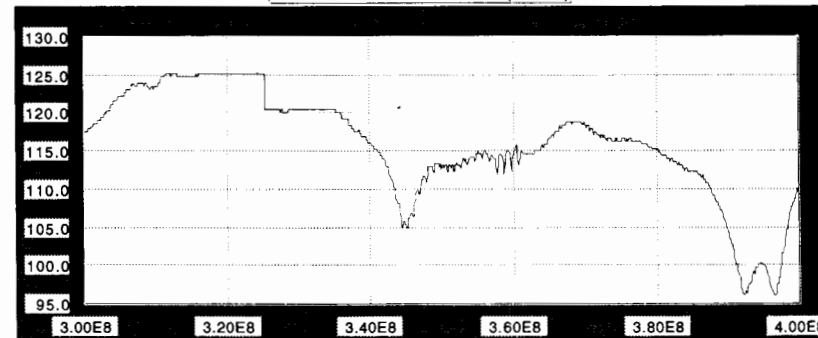


FREQUENCY IN Hz

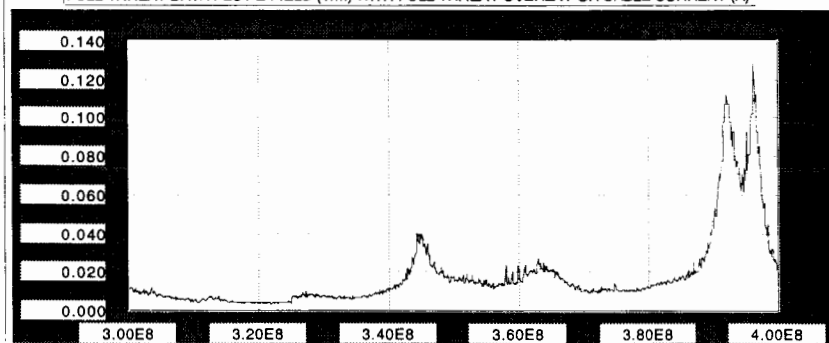
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



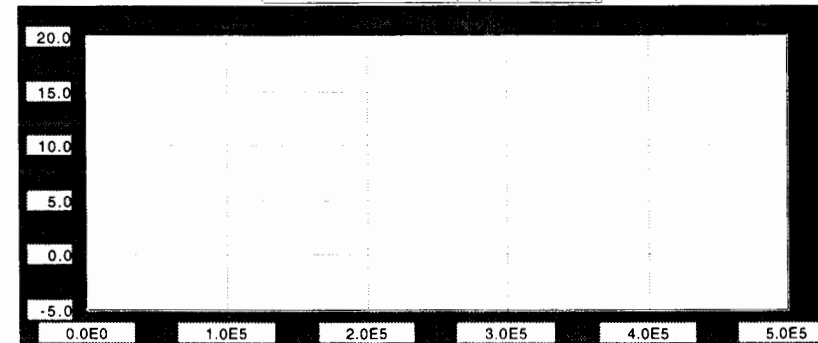
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND	TX LOC	RX LOC	POLARITY
7	2	4	H

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
		0	0

SITE CALIBRATION FILE NAME
MONTANA:SCAL:SCAL21:LLSC4EFRAWDBM7H21SCC

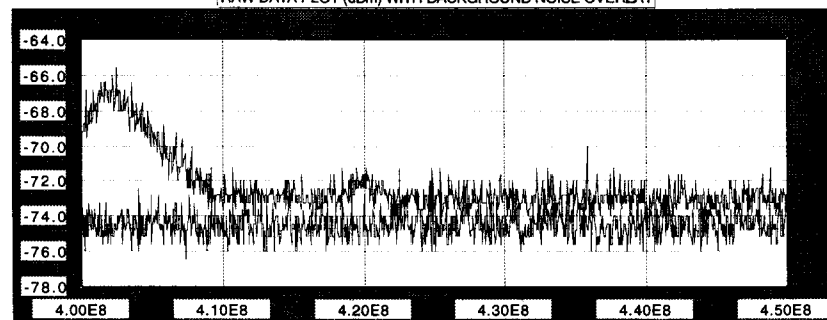
READ FILE NAME
MONTANA:LABVIEW DATA:LLSC1CCRAWDBM7H24

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

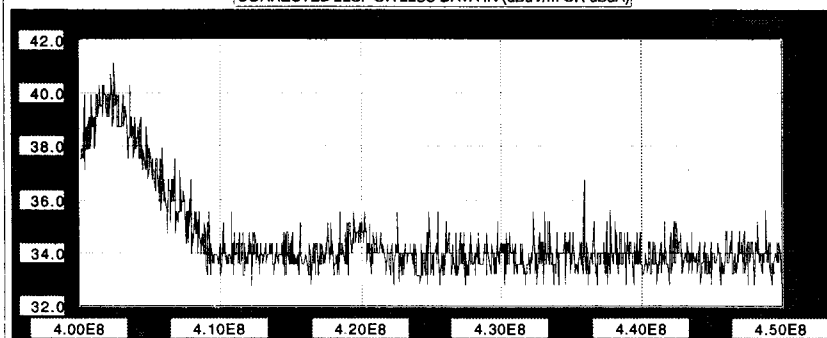
AVERAGE ATTENUATION (dB)
0

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

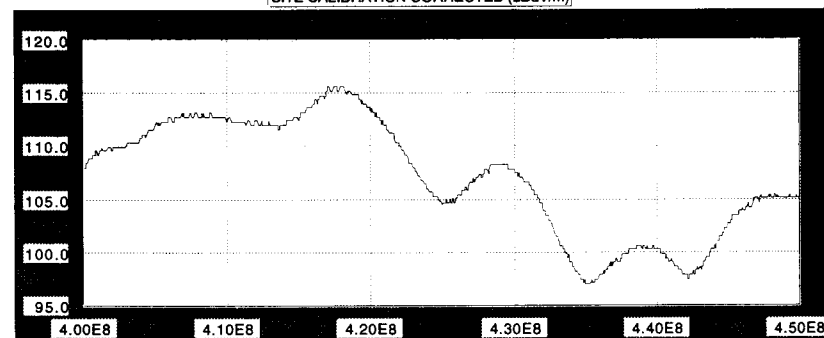


FREQUENCY IN Hz

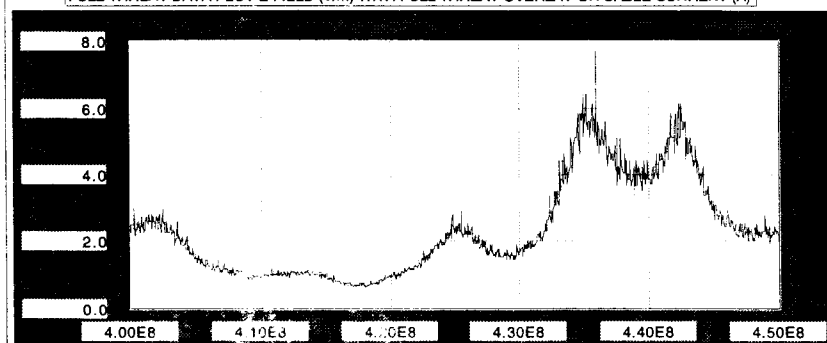
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



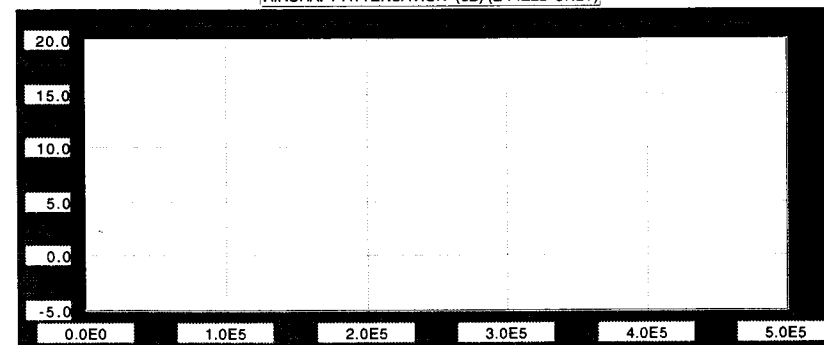
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



BAND	TX LOC	RX LOC	POLARITY
8	2	4	H

SITE CALIBRATION FILE NAME
MONTANA1:SCAL:SCAL21:LLSC4EFRAWDBM8H21SCC

E-FIELD	FILTER ON/OFF	FILTER RANK	DISK STATUS
☒	☒	0	0

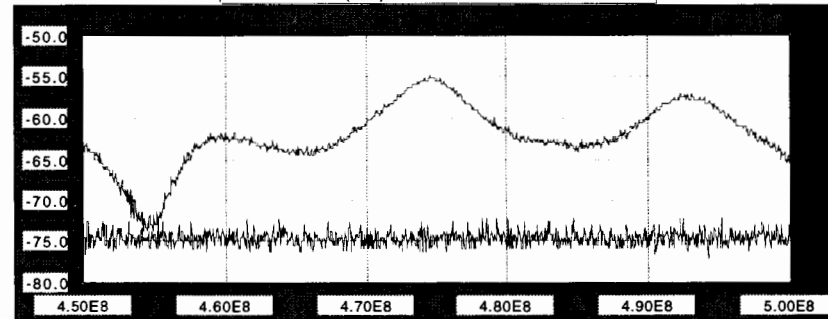
READ FILE NAME
MONTANA1:LABVIEW DATA:LLSC1CCRAWDBM8H24

MAX ATTENUATION (dB)
0

MIN ATTENUATION (dB)
0

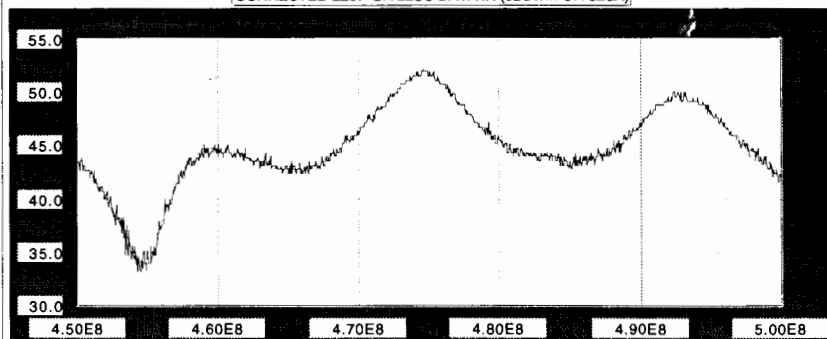
AVERAGE ATTENUATION (dB)
0

RAW DATA PLOT (dBm) WITH BACKGROUND NOISE OVERLAY

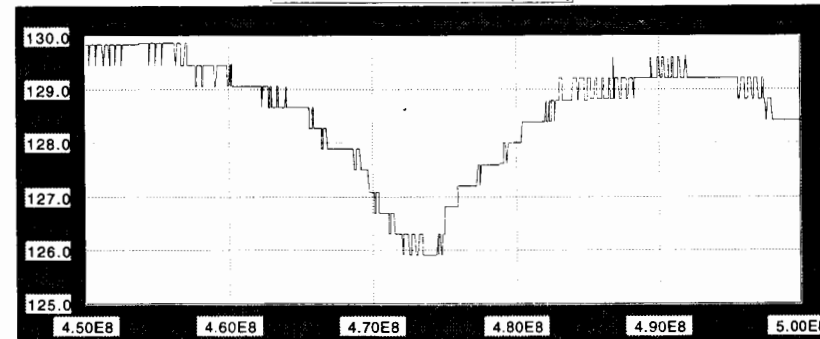


FREQUENCY IN Hz

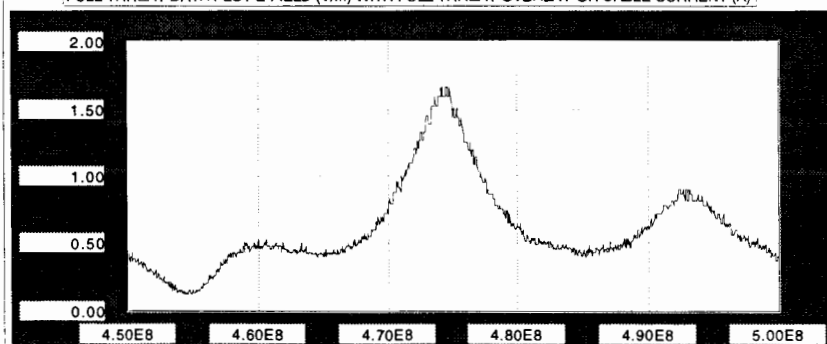
CORRECTED LLSF OR LLSC DATA IN (dBuV/m OR dBuA)



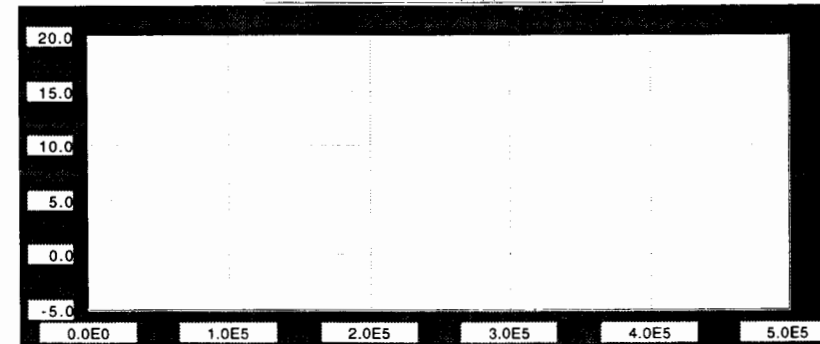
SITE CALIBRATION CORRECTED (dBuV/m)



FULL THREAT DATA PLOT E-FIELD (V/m) WITH FULL THREAT OVERLAY OR CABLE CURRENT (A)



AIRCRAFT ATTENUATION (dB) (E-FIELD ONLY)



SECTION 3

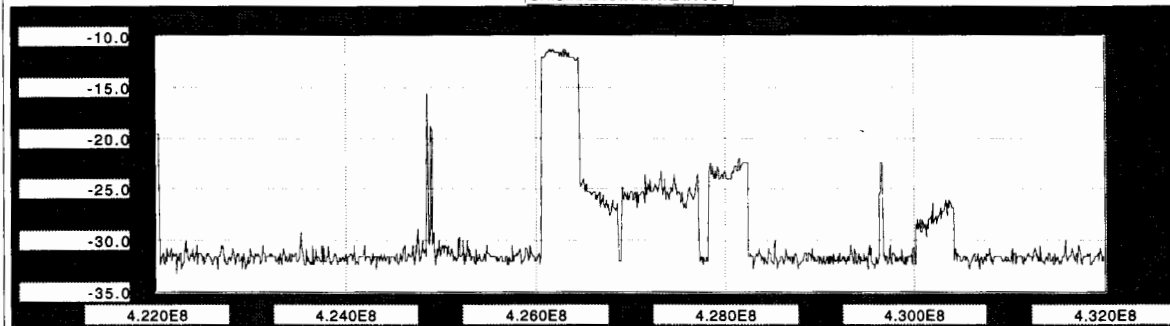
FLIGHT TEST DATA PLOT DESCRIPTION

The flight test data plots (sample on the following page) each contain the following information:

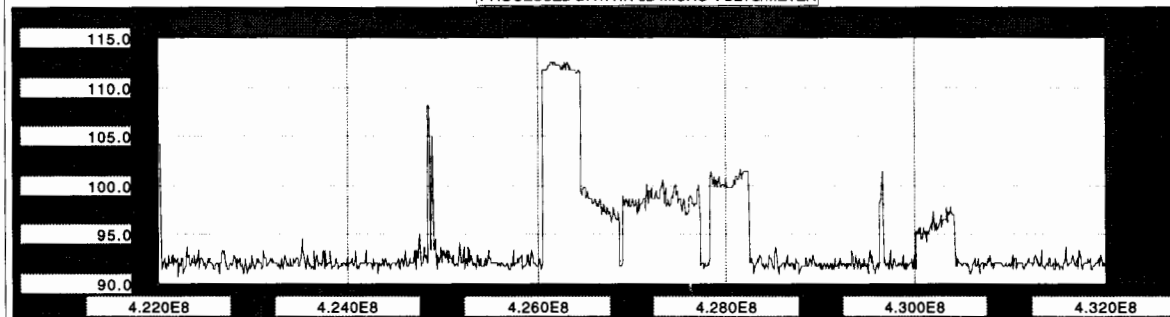
- Source radar/transmitter duty cycle (DUTY CYCLE)
 - Source ERP (ERP)
 - Name of the source transmitter (RADAR NAME)
 - Receive antenna factor for source frequency range (ANTENNA FACTOR)
 - Approximate range from the transmitter (RANGE)
 - S-76 altitude during test (ALTITUDE)
 - Approximate radius from the transmitter (RADIUS)
 - File name of the stored data (DATA FILE NAME)
 - Calculated expected peak E-Field level in V/m (ESTIMATED E-FIELD LEVEL (PEAK) V/m)
 - Calculated expected average E-Field level for, **pulsed transmitters only**, in V/m.
 - Original flight test Data Plot in dBm (ORIGINAL RAW DATA PLOT IN dBm)
 - Corrected data plot in dBuV/m (PROCESSED DATA IN dB MICRO-VOLTS/METER)
 - Original data converted to peak E-Field level data plot, **pulsed transmitters only**, in V/m (PROCESSED DATA IN (PEAK) VOLTS/METER)
 - Original data converted to average E-Field level in V/m data plot (PROCESSED DATA IN (AVERAGE) VOLTS/METER)
-

SECTION 3-1
PAVE PAWS DATA PLOTS

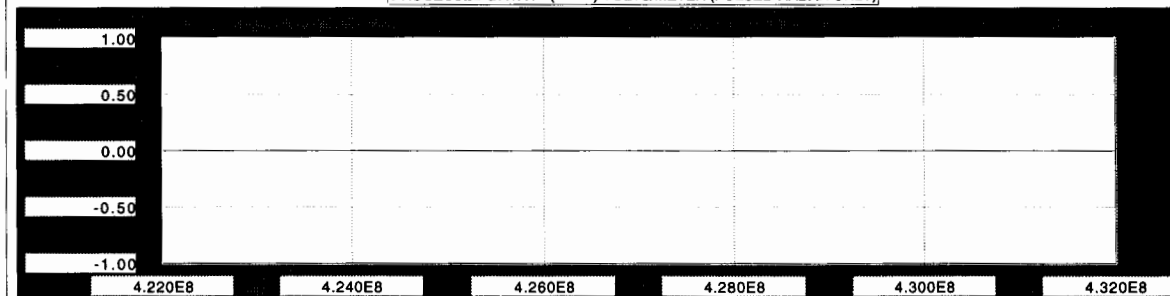
ORIGINAL RAW DATE IN dBm



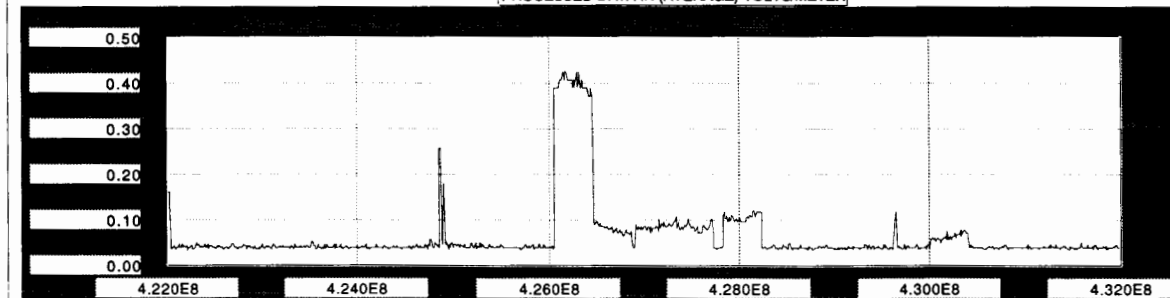
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.00

ERP

12.5e6

DISK ERROR

0.00

RADAR NAME

PAVEPAWS

ANTENNA FACTOR (dB)

16.8

RANGE (ft)

10560

ALTITUDE (ft)

2000

RADIUS (ft)

10747.73

DATA FILE NAME

MONTANA:FLYBYDATA:PAVEPAWSR10560A2000

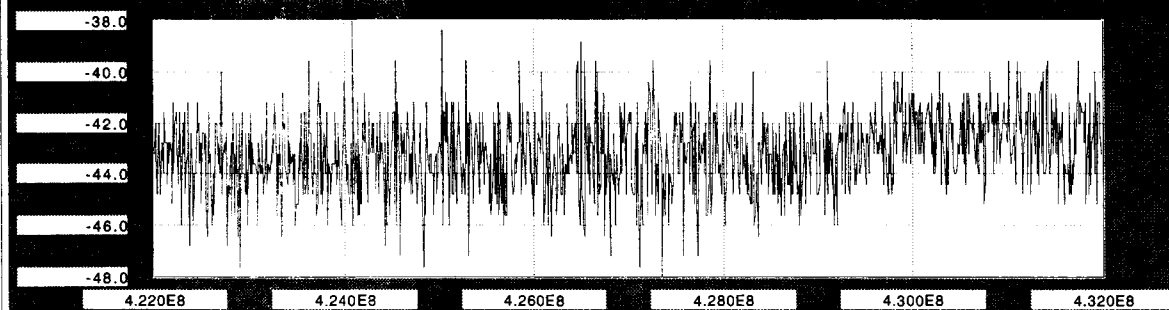
ESTIMATED E-FIELD LEVEL (PEAK) V/M

6.09

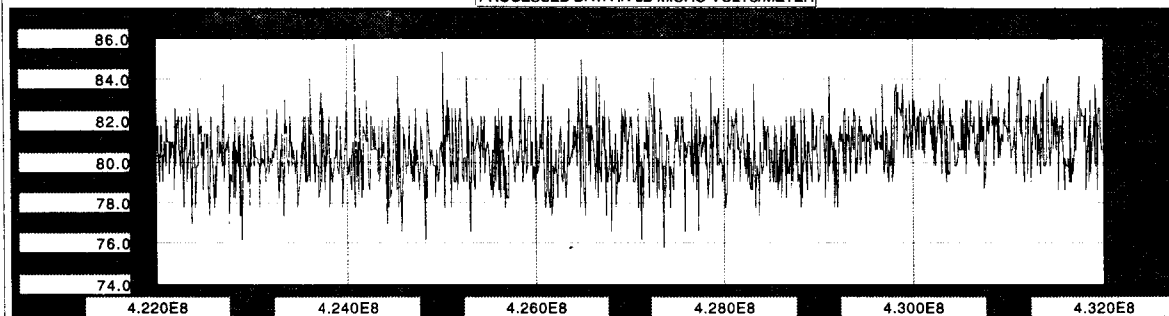
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

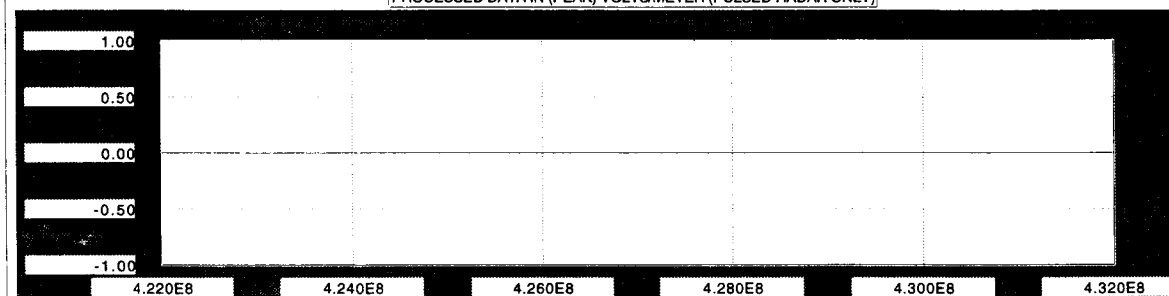
ORIGINAL RAW DATE IN dBm



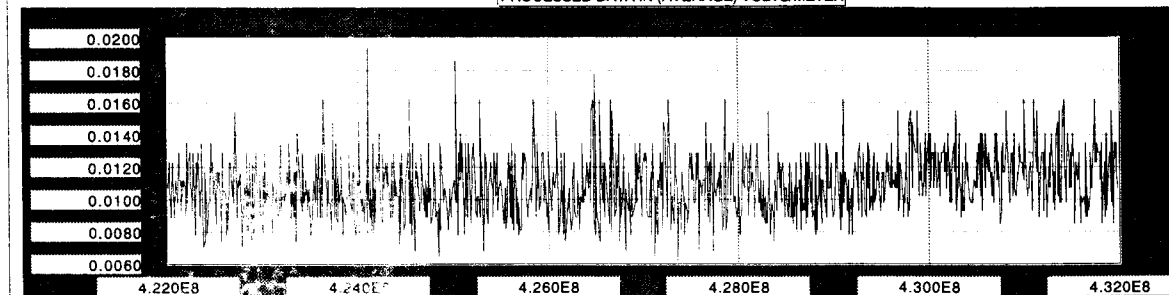
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.00

EFP

12.5e6

DISK ERROR

0.00

RADAR NAME

PAVEPAWS

ANTENNA FACTOR (dB)

16.8

RANGE (ft)

5280

ALTITUDE (ft)

1000

RADIUS (ft)

5373.86

DATA FILE NAME

MONTANA:FLYBYDATA:PAVEPAWSR5280A1000

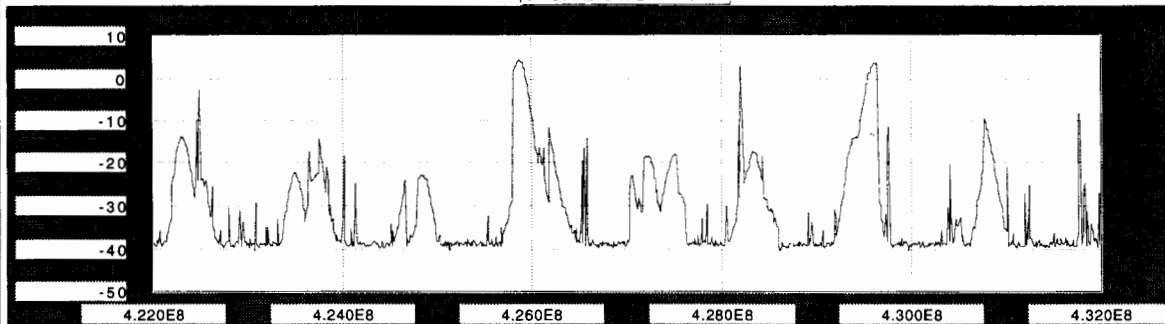
ESTIMATED E-FIELD LEVEL (PEAK) V/M

12.18

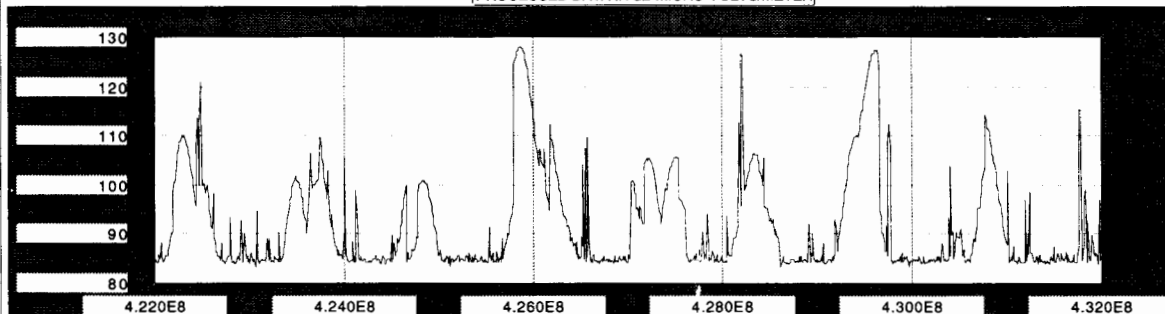
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

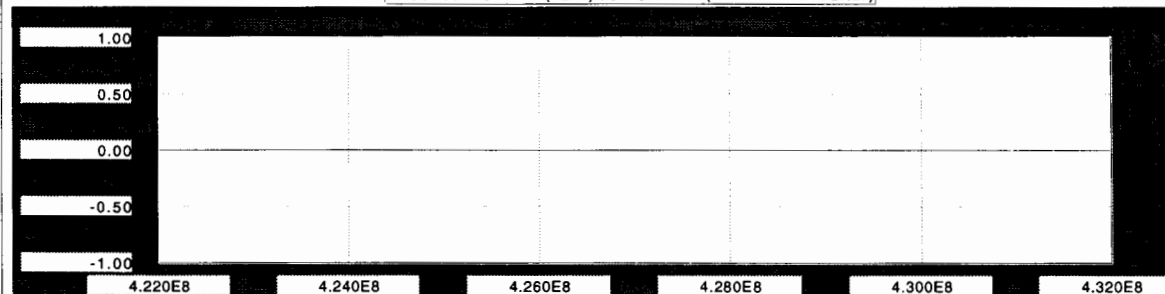
ORIGINAL RAW DATE IN dBm



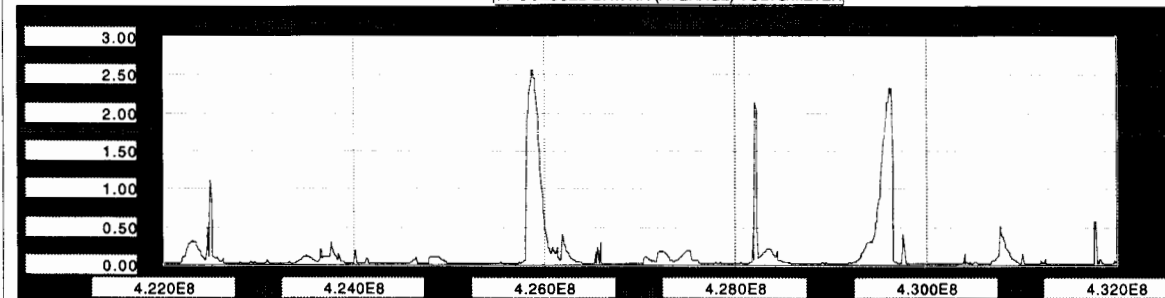
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.00

ERP

12.5e6

DISK ERROR

0.00

RADAR NAME

PAVEPAWS

ANTENNA FACTOR (dB)

16.8

RANGE (ft)

500

ALTITUDE (ft)

1000

RADIUS (ft)

1118.03

DATA FILE NAME

MONTANA:FLYBYDATA:PAVEPAWSR500A1000

ESTIMATED E-FIELD LEVEL (PEAK) V/M)

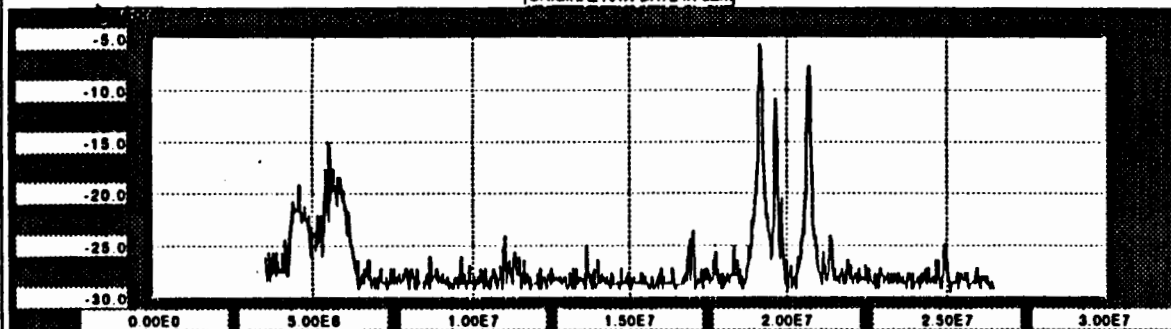
58.53

ESTIMATED E-FIELD LEVEL (AVERAGE) V/M)

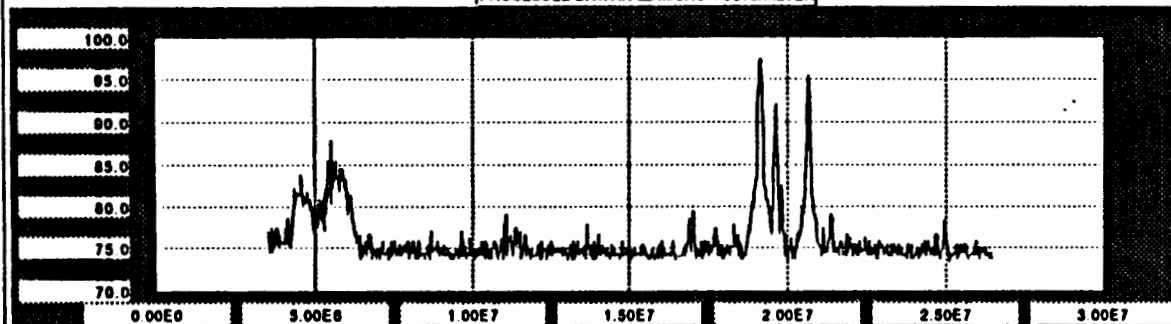
0.00

SECTION 3-2
OTHB PHASE I DATA PLOTS

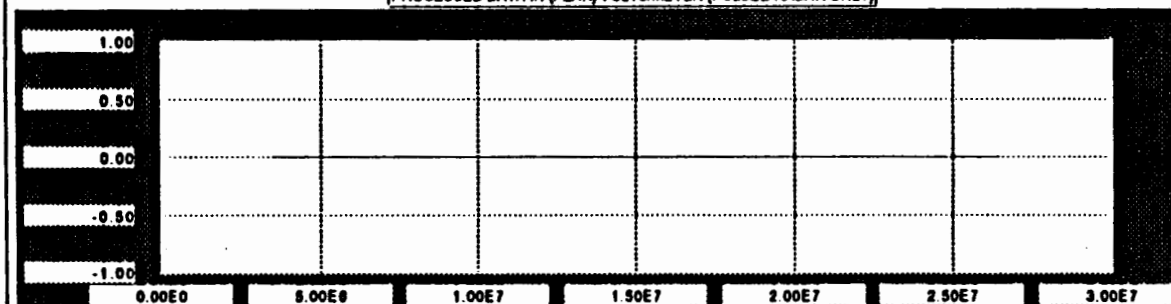
ORIGINAL RAW DATE IN dBm



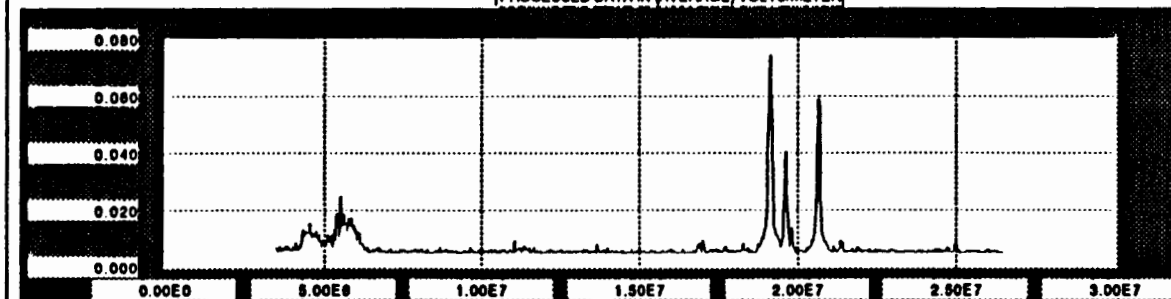
PROCESSED DATA IN dB MICRO-VOLTMETER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

0

BFP

251E9

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (M)

5280

ALTITUDE (M)

750

RADIUS (M)

5333.00

DATA FILE NAME

HARD DRIVE:FLYBYDATA OTHBR5280A750

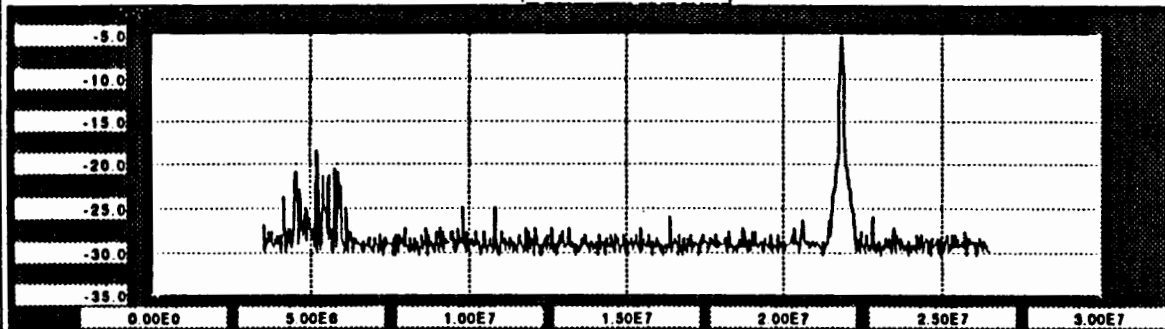
ESTIMATED E-FIELD LEVEL (PEAK) V/M

1.74

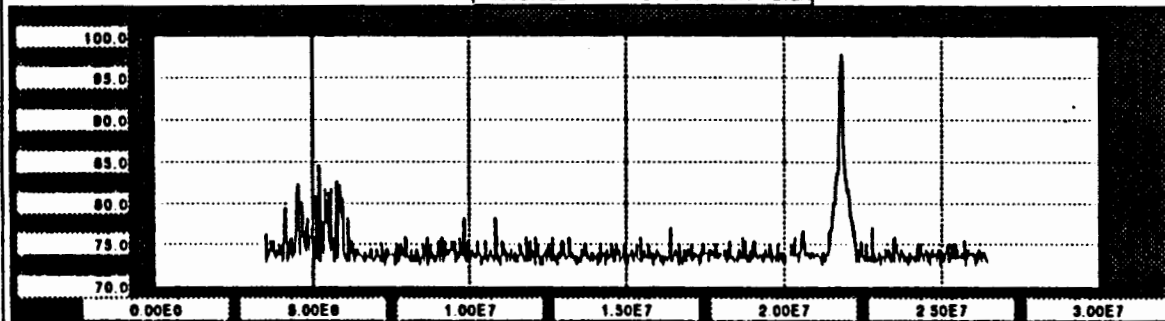
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

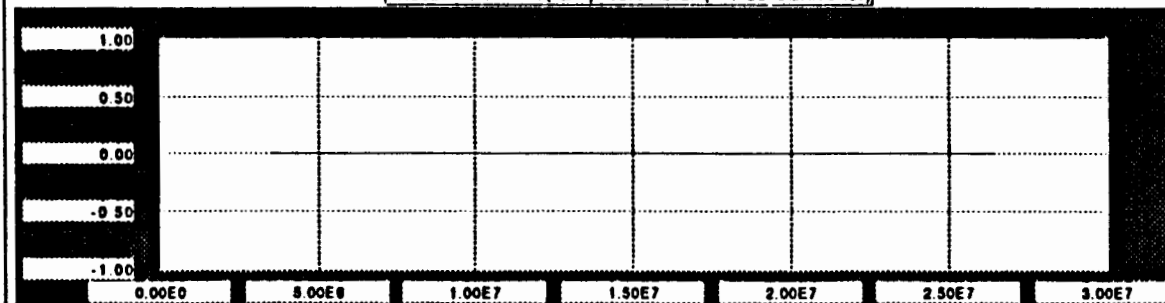
ORIGINAL RAW DATE IN dBm



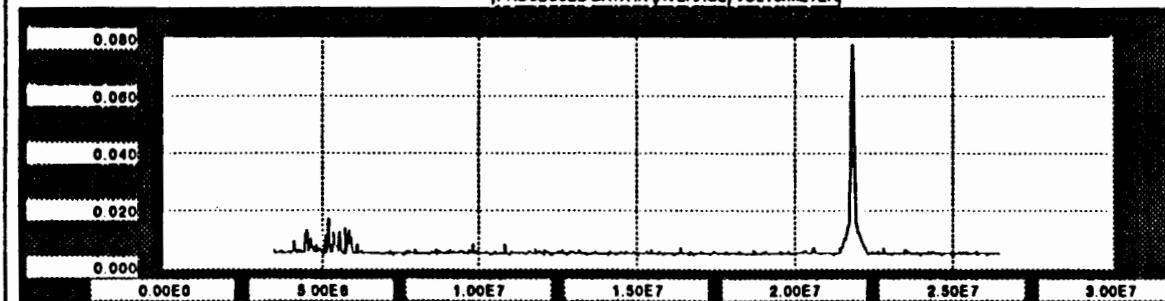
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

510

EFP

251E9

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

5280

ALTITUDE (m)

1000

RADIUS (m)

5373.86

DATA FILE NAME

HARD DRIVE FLYBYDATA OTH-BR5280A1000

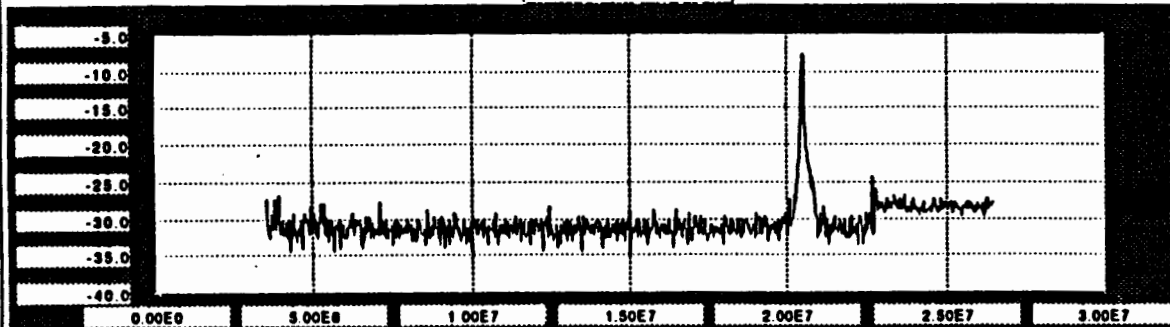
ESTIMATED E-FIELD LEVEL (PEAK) V/M

1.73

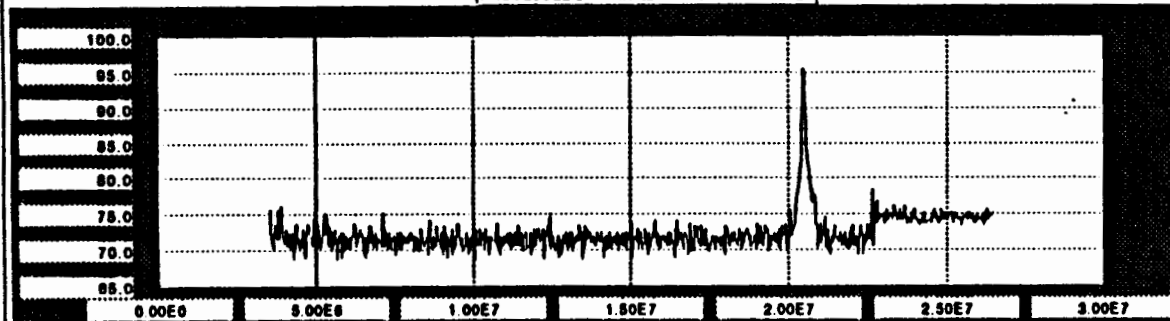
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

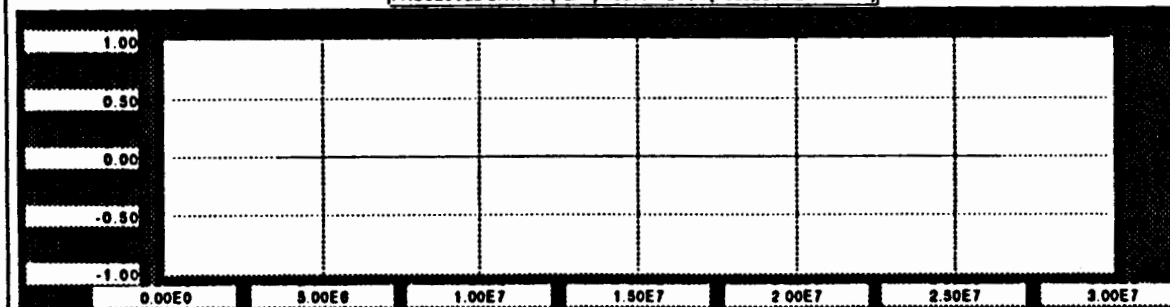
ORIGINAL RAW DATA IN dBm



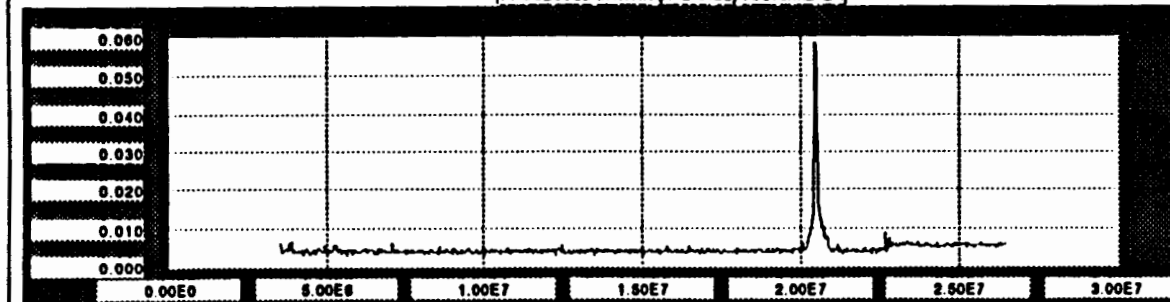
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

ERP

251E3

RADAR NAME

OTH

ANTENNA FACTOR (dB)

-4

RANGE (m)

10560

ALTITUDE (m)

1000

RADIUS (m)

10607.24

DATA FILE NAME

HARD DRIVE FLYBYDATA OTHBRI0560A1000

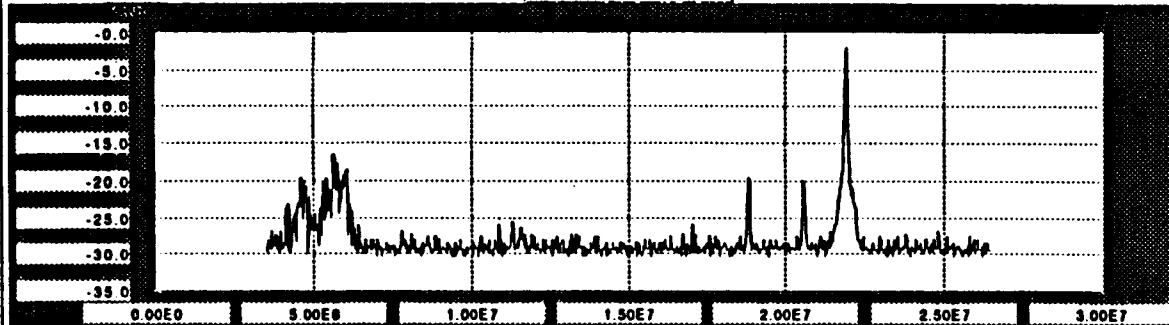
ESTIMATED E-FIELD LEVEL (PEAK) V/M

0.67

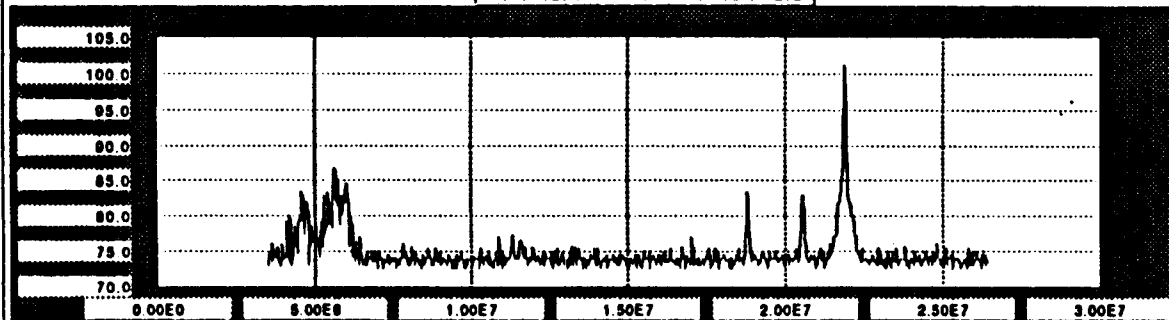
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

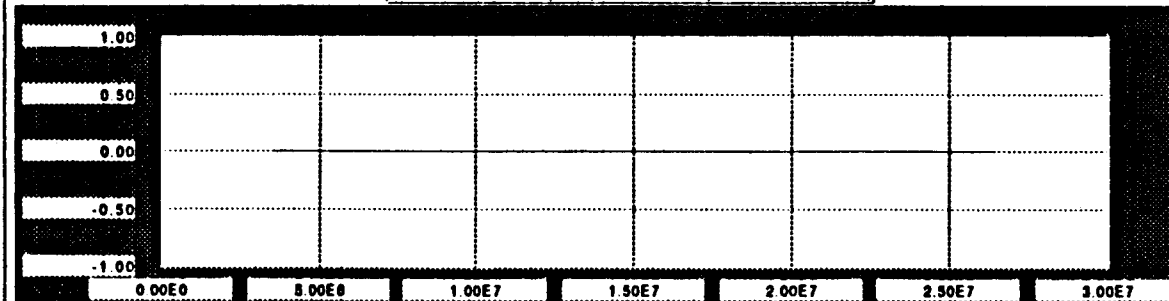
ORIGINAL RAW DATA IN dBm



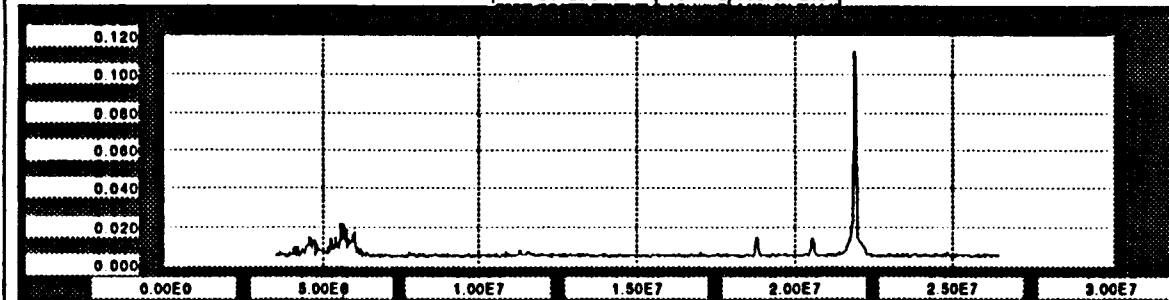
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.0

BFP

251E3

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

15840

ALTITUDE (m)

1000

RADIUS (m)

15871.53

DATA FILE NAME

HARD DRIVE FLYBYDATA OTHBR15840A1000

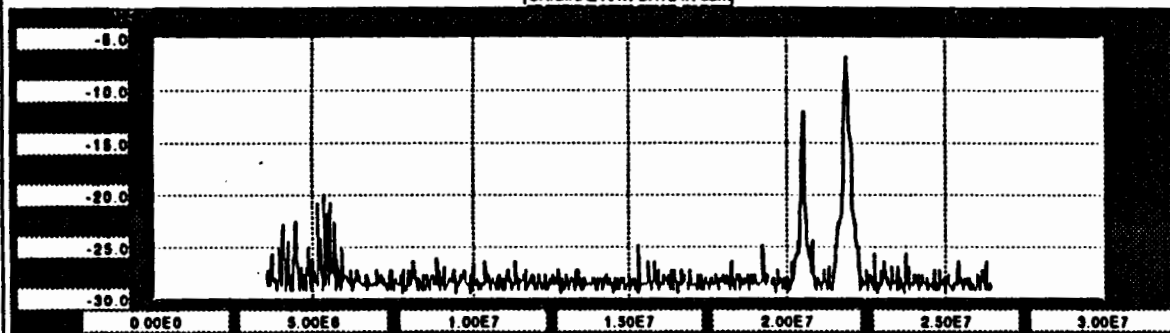
ESTIMATED E-FIELD LEVEL (PEAK) V/M

0.58

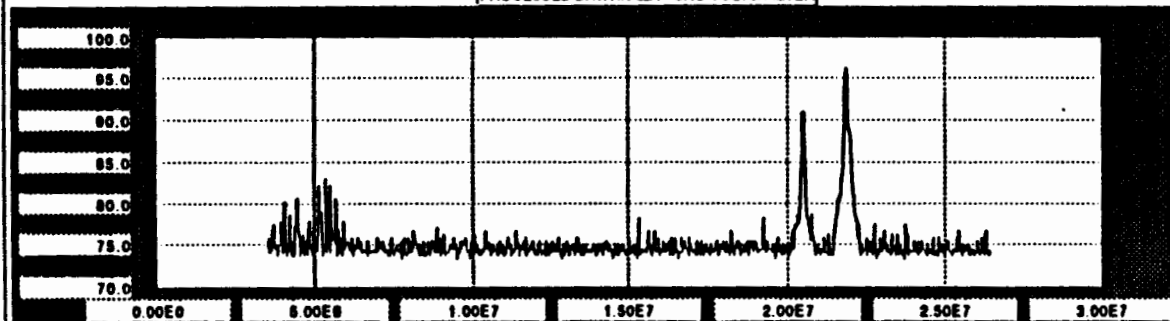
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

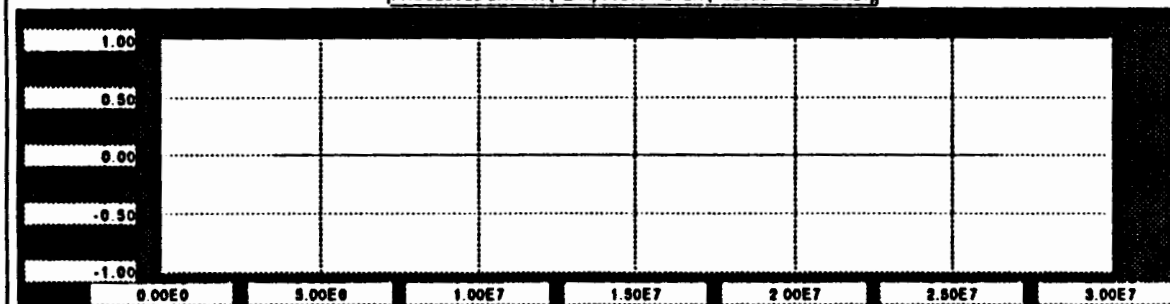
ORIGINAL RAW DATA IN dBm



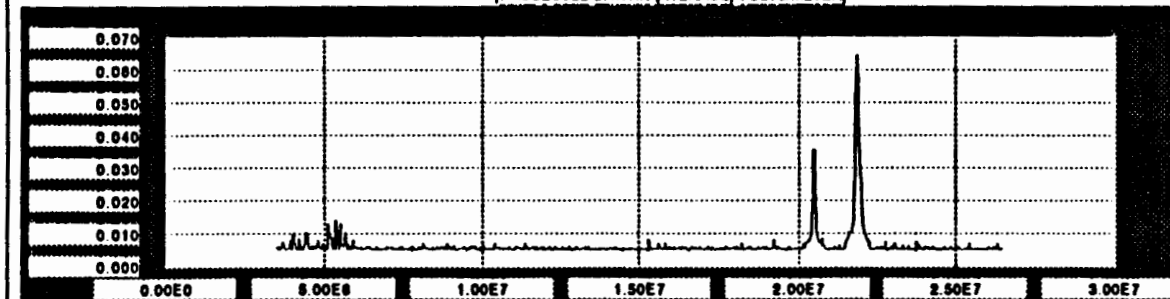
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

BPP

251E3

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

21120

ALTITUDE (m)

1000

RADIUS (m)

21143.88

DATA FILE NAME

HARD DRIVE.FLYBYDATA.OTHBR21120A1000

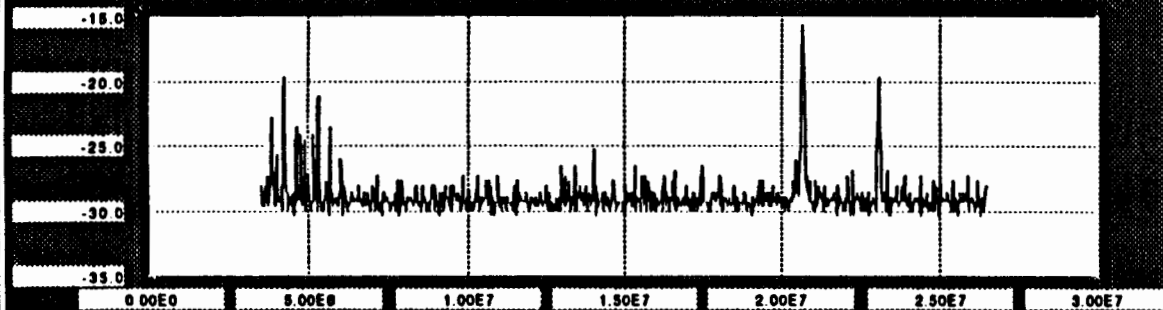
ESTIMATED E-FIELD LEVEL (PEAK) V/M

0.44

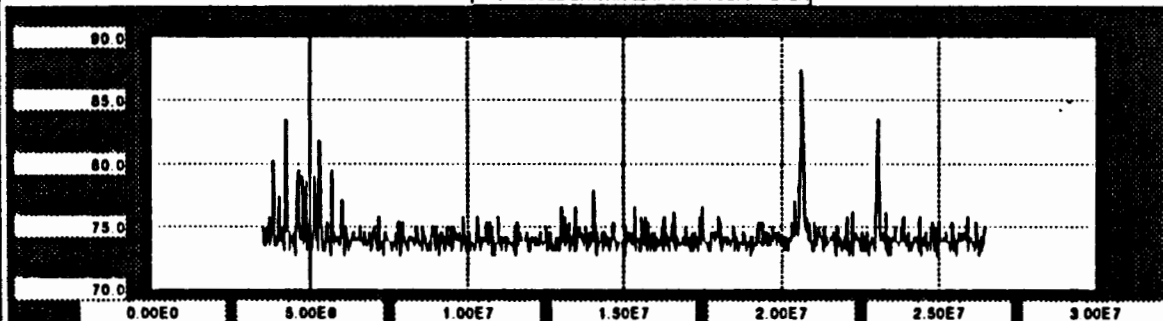
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

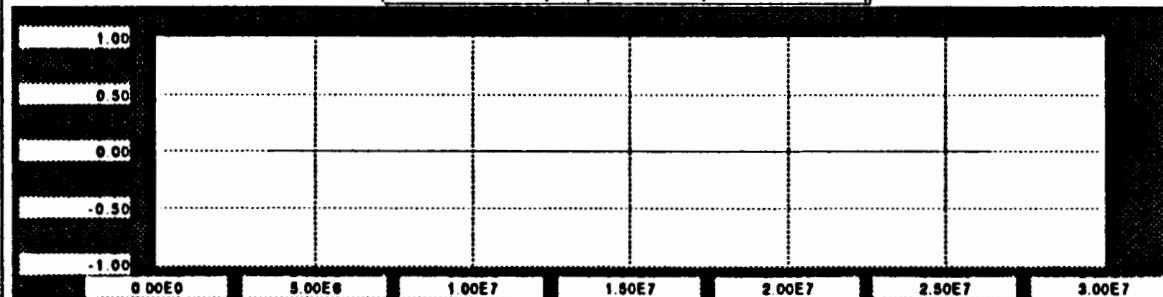
ORIGINAL RAW DATE IN dBm



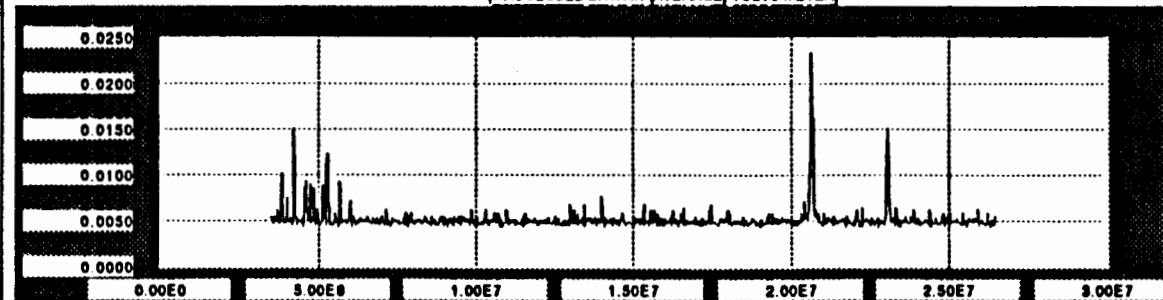
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

5.0

EFP

251E3

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

21120

ALTITUDE (m)

1500

RADIUS (m)

21173.20

DATA FILE NAME

HARD DRIVE: FLYBYDATA.OTHBR21120A1500

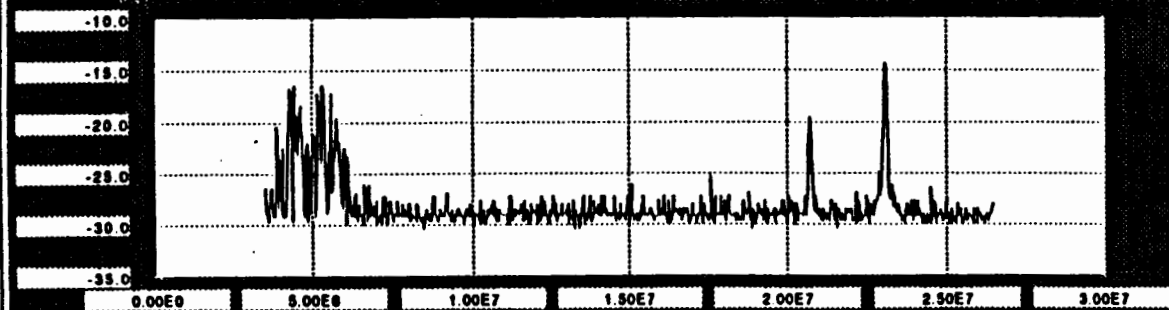
ESTIMATED E-FIELD LEVEL (PEAK) V/M

0.44

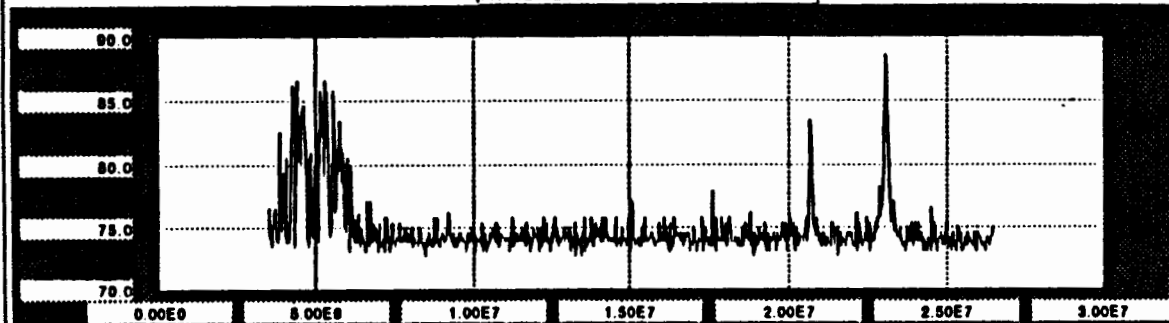
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

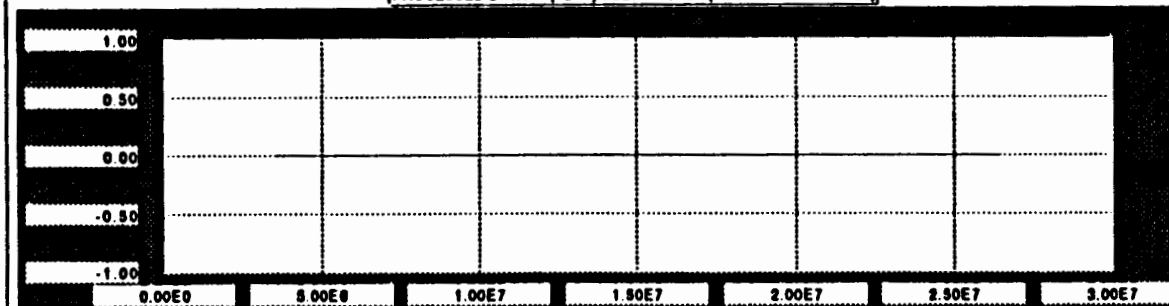
ORIGINAL RAW DATA IN dBm



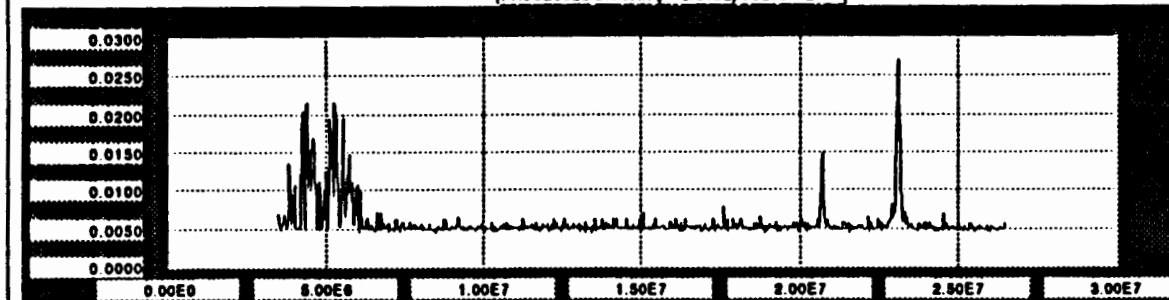
PROCESSED DATA IN dB MICRO-VOLTMETER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

0

BVP

251E9

RADAR NAME

OTHBR

ANTENNA FACTOR (dB)

-4

RANGE (ft)

26400

ALTITUDE (ft)

1500

RADIUS (ft)

26442.58

DATA FILE NAME

HARD DRIVE FLYBYDATA OTHBR26400A1500

ESTIMATED E-FIELD LEVEL (PEAK) V/M

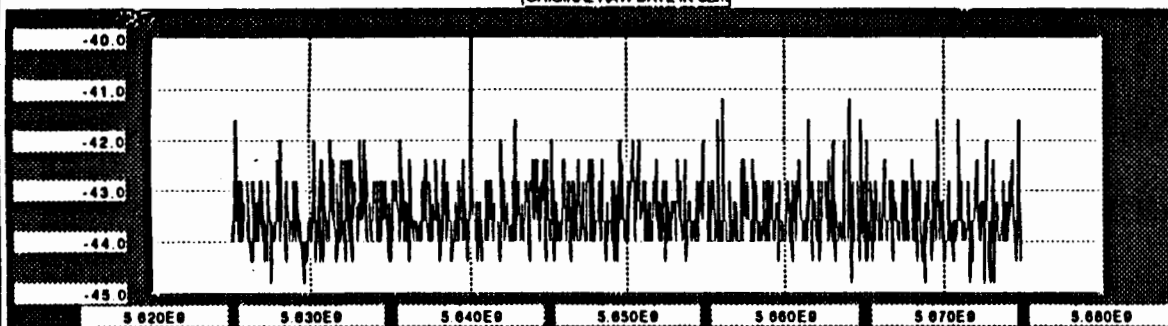
0.98

ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

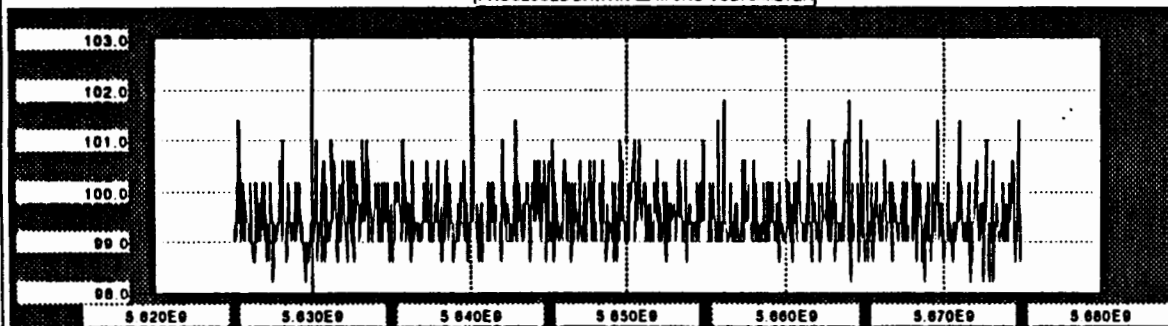
0.00

SECTION 3-3
FPS-16 DATA PLOTS

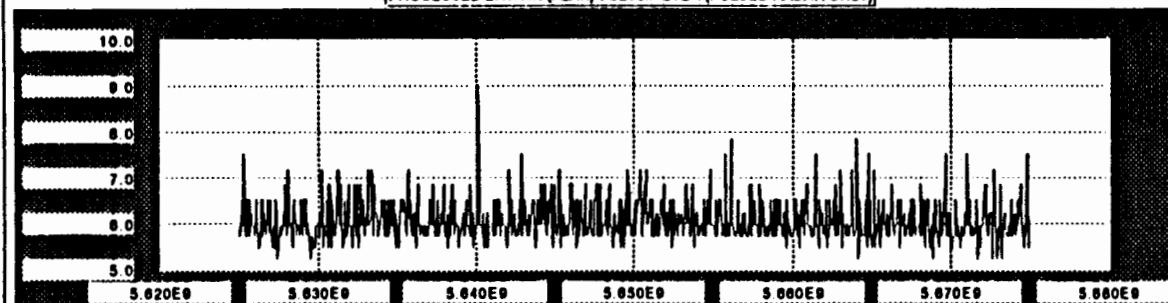
ORIGINAL RAW DATE IN dBm



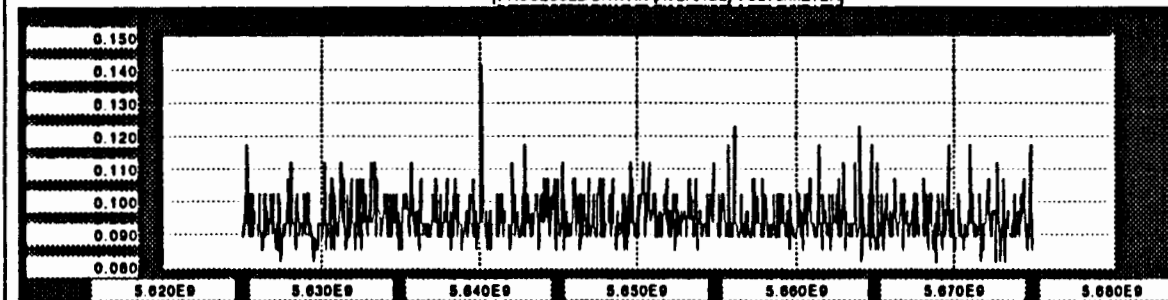
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.4E-4

BFP

28E9

RADAR NAME

FPS10

ANTENNA FACTOR (dB)

30

RANGE (m)

5280

ALTITUDE (m)

600

RADIUS (m)

5340 20

DATA FILE NAME

HARD DRIVE FLYBYDATA FPS10R5280A800

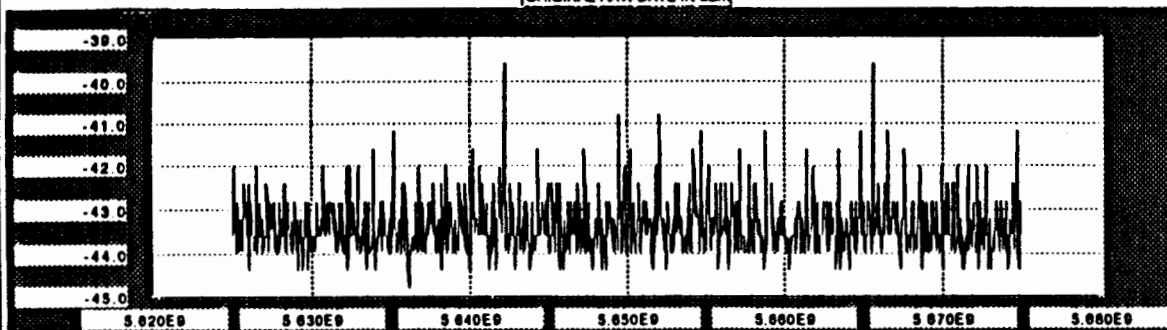
ESTIMATED E-FIELD LEVEL (PEAK) V/M

979.92

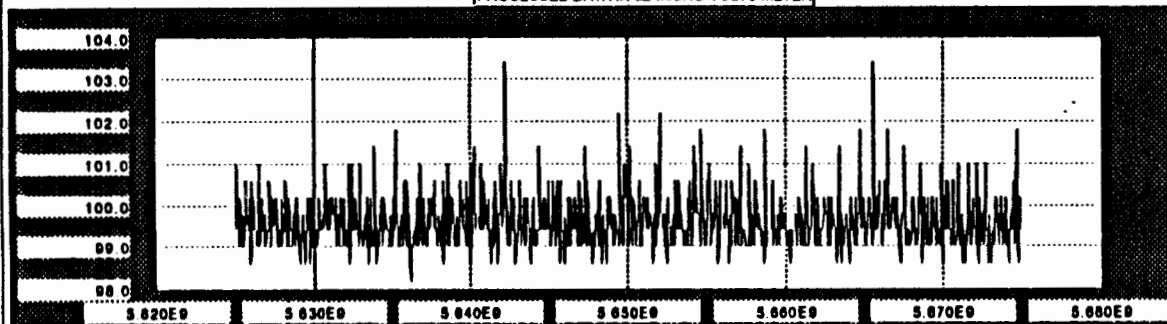
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

14.87

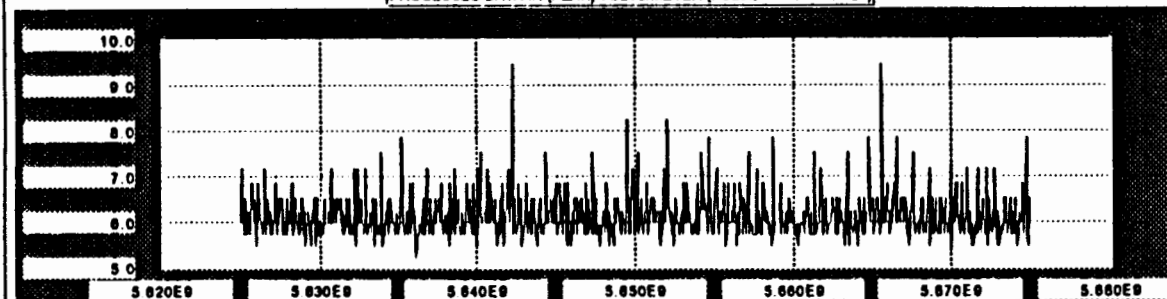
ORIGINAL RAW DATE IN dBm



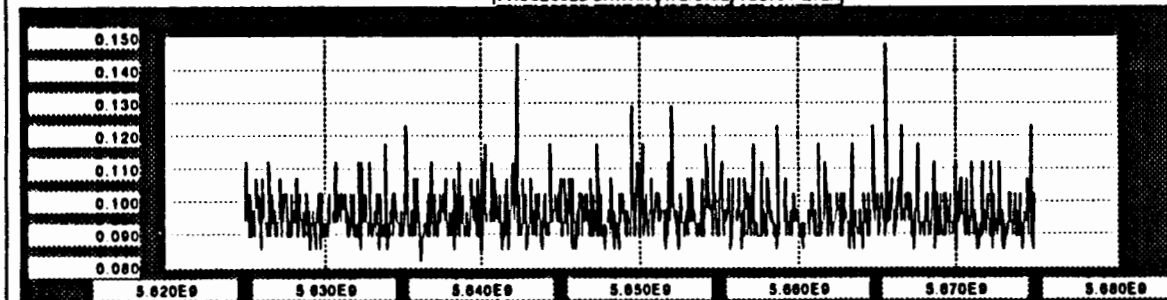
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.4E-4

BPP

28E9

RADAR NAME

FP818

ANTENNA FACTOR (dB)

38

RANGE (m)

3188

ALTITUDE (m)

800

RADIUS (m)

3287.45

DATA FILE NAME

HARD DRIVE FLYBYDATA FP818R3188A800

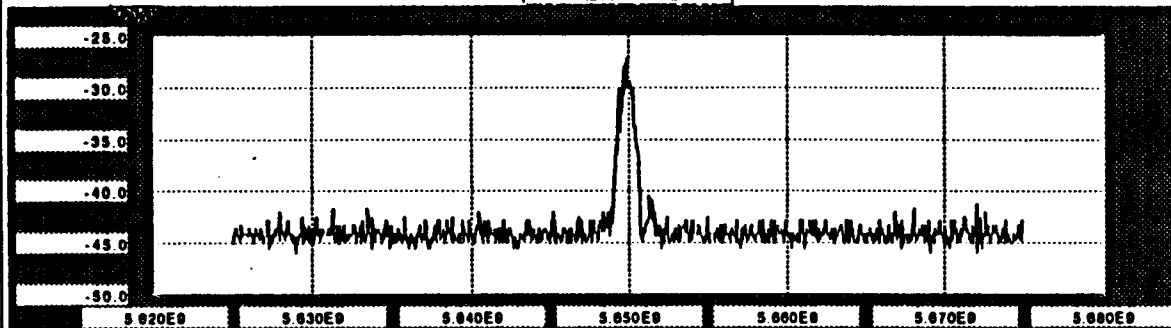
ESTIMATED E-FIELD LEVEL (PEAK) V/M

947.82

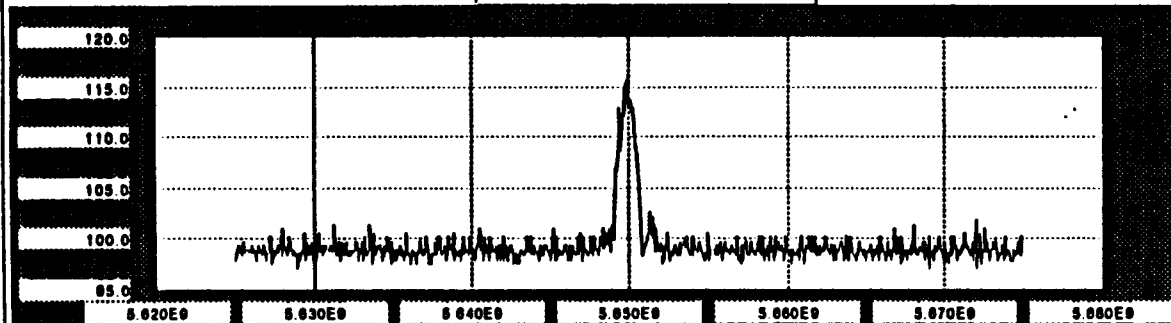
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

23.98

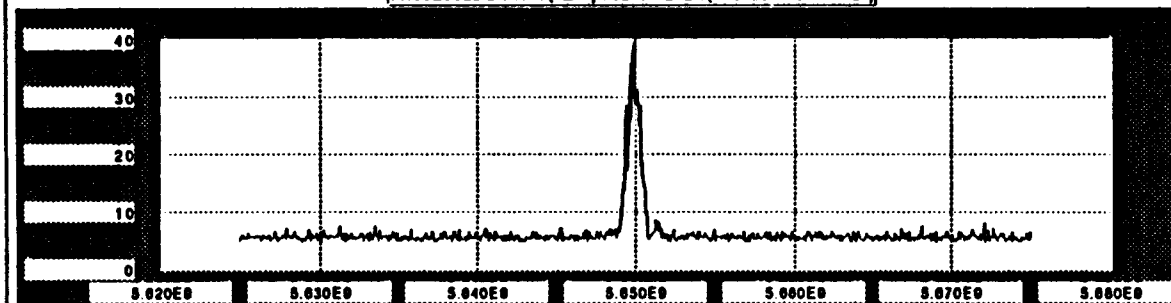
ORIGINAL RAW DATA IN dBm



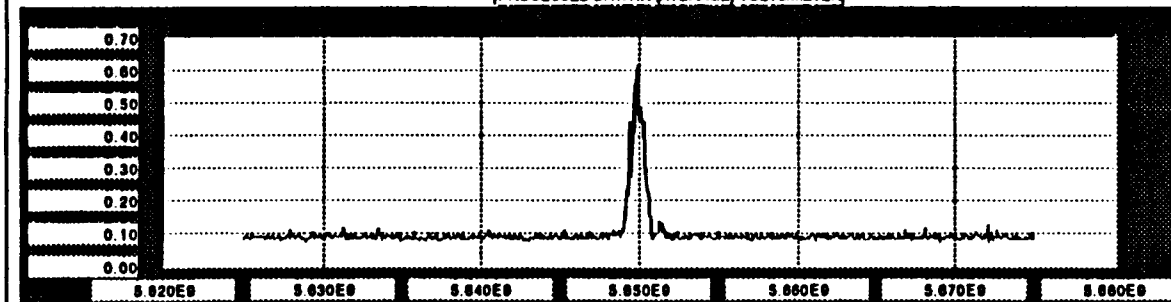
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.4E-4

EFP

28E9

RADAR NAME

FPB16

ANTENNA FACTOR (dB)

38

RANGE (M)

800

ALTITUDE (M)

800

RADIUS (M)

1033.83

DATA FILE NAME

HARD DRIVE.FLYBYDATA.FPB16R080A800

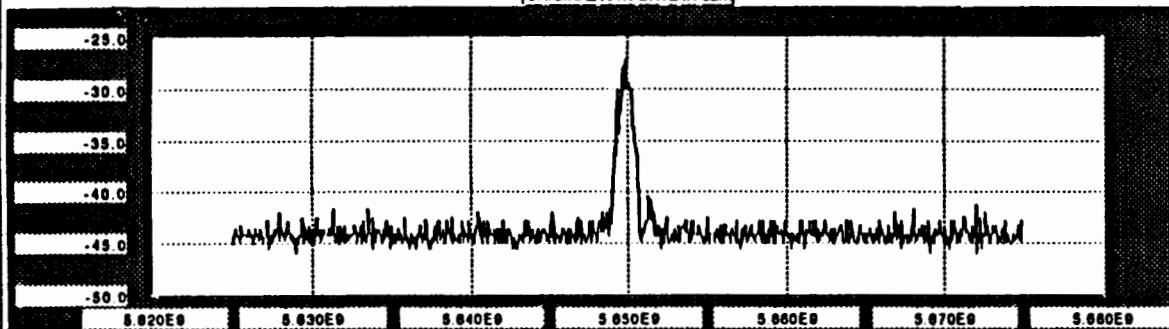
ESTIMATED E-FIELD LEVEL (PEAK) V/M

2838.70

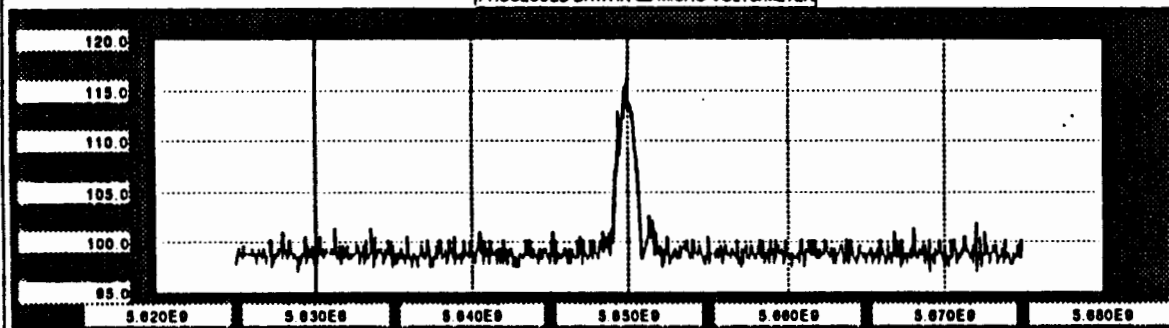
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

74.34

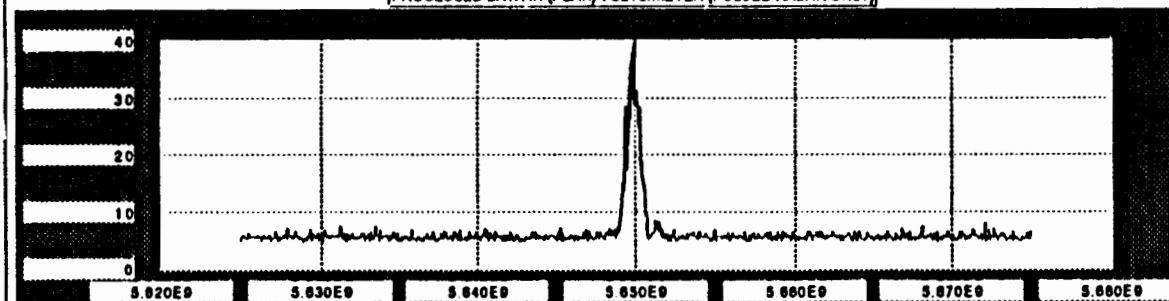
ORIGINAL RAW DATA IN dBm



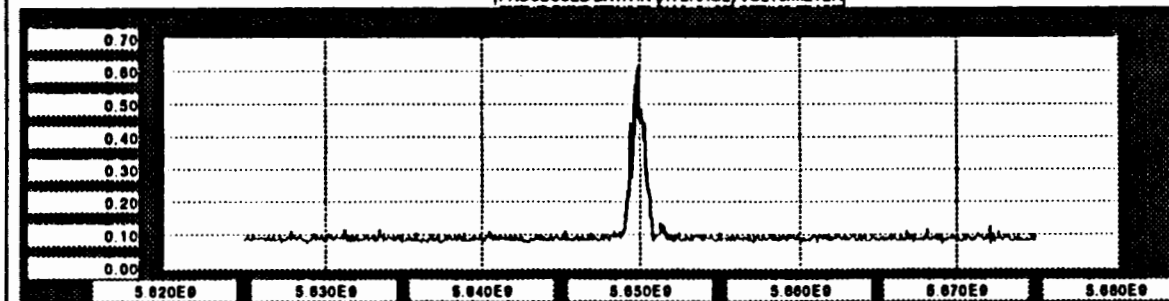
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

0.4E-6

BPP

20E9

RADAR NAME

FP810

ANTENNA FACTOR (dB)

30

RANGE (m)

3352

ALTITUDE (m)

1250

RADIUS (m)

3577.40

DATA FILE NAME

HARD DRIVE:FLYBYDATA.FP810R3352A1250

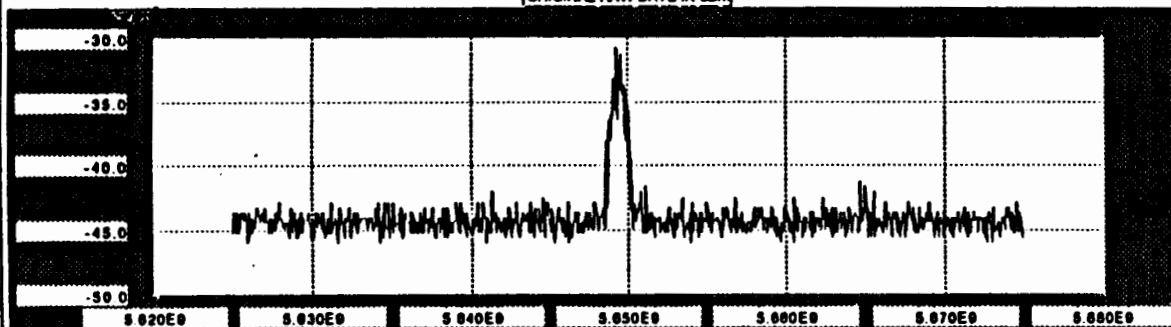
ESTIMATED E-FIELD LEVEL (PEAK) V/M

665.88

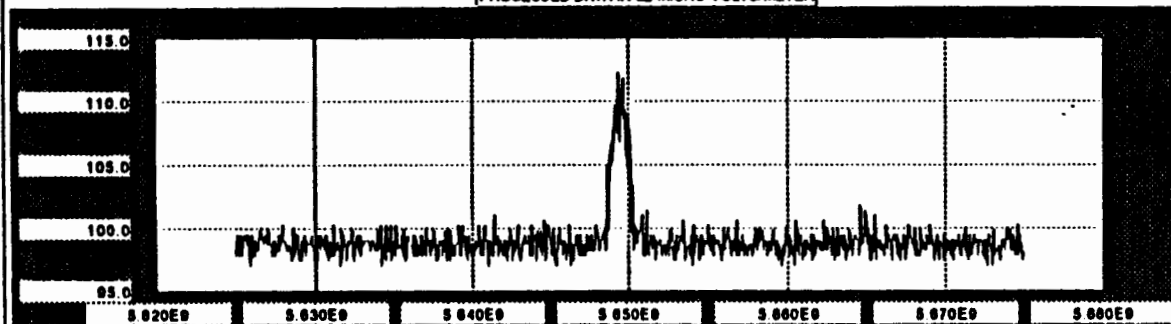
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

21.00

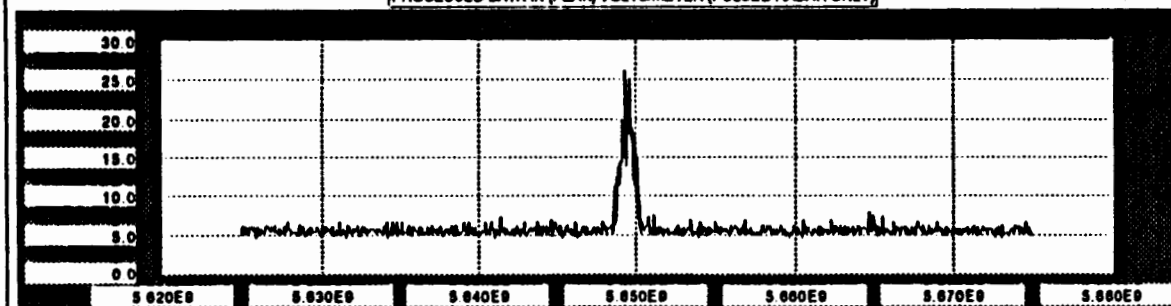
ORIGINAL RAW DATE IN dBm



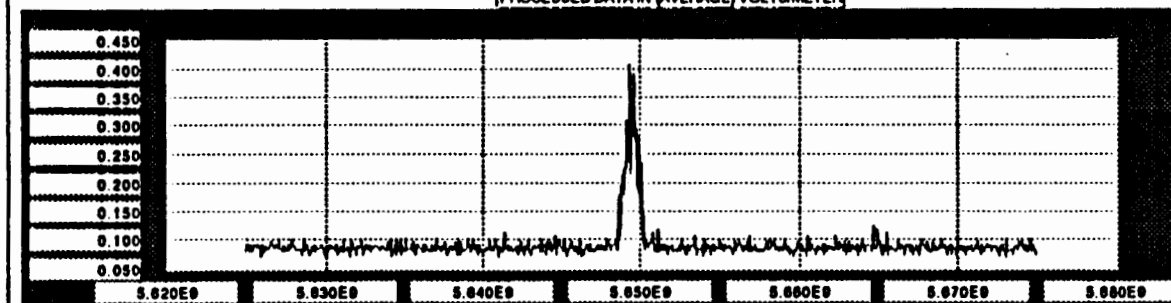
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.4E-4

EFP

26E9

RADAR NAME

FP816

ANTENNA FACTOR (dB)

36

RANGE (m)

6052

ALTITUDE (m)

1250

RADIUS (m)

8788.43

DATA FILE NAME

HARD DRIVE FLYBYDATA.FP816R06S2A1250

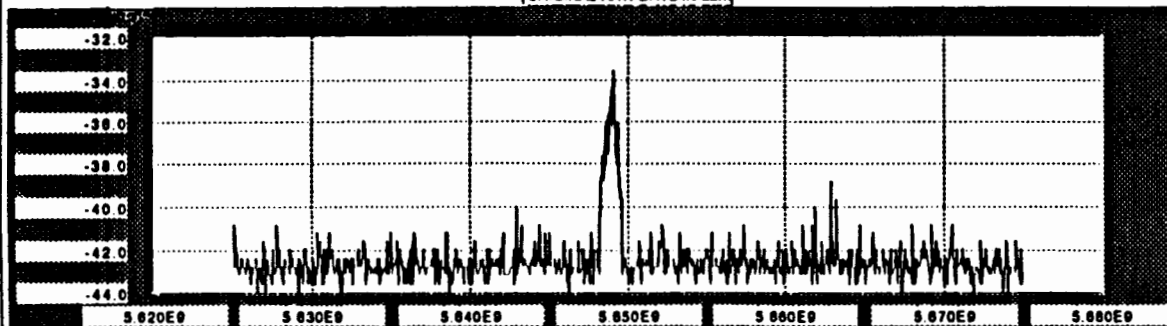
ESTIMATED E-FIELD LEVEL (PEAK) V/M

487.50

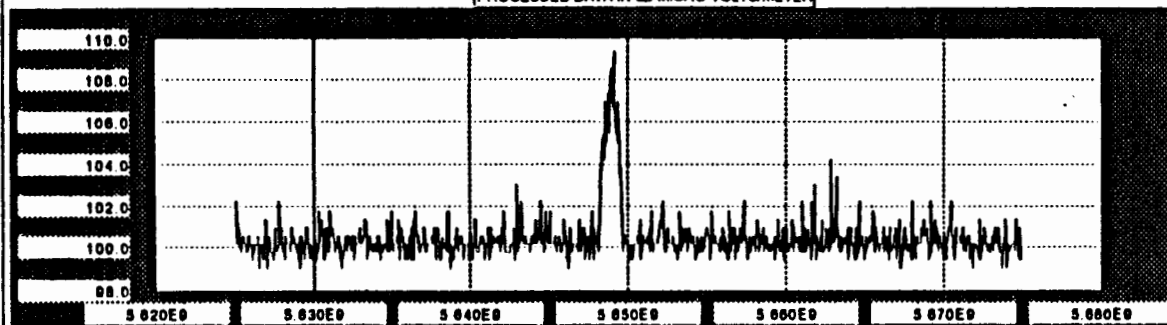
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

11.50

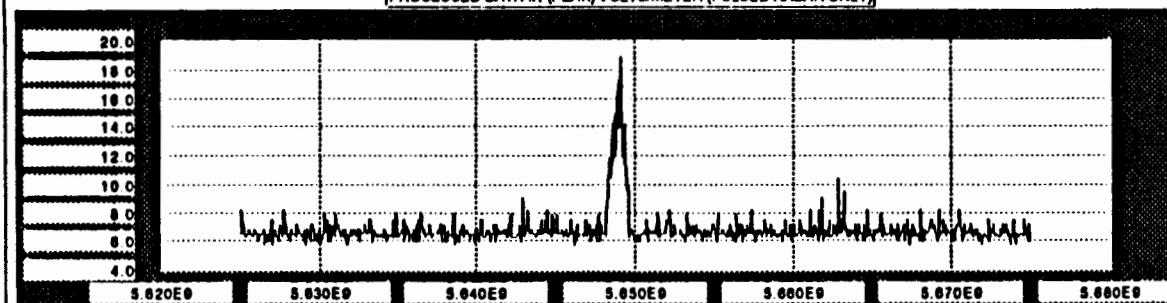
ORIGINAL RAW DATA IN dBm



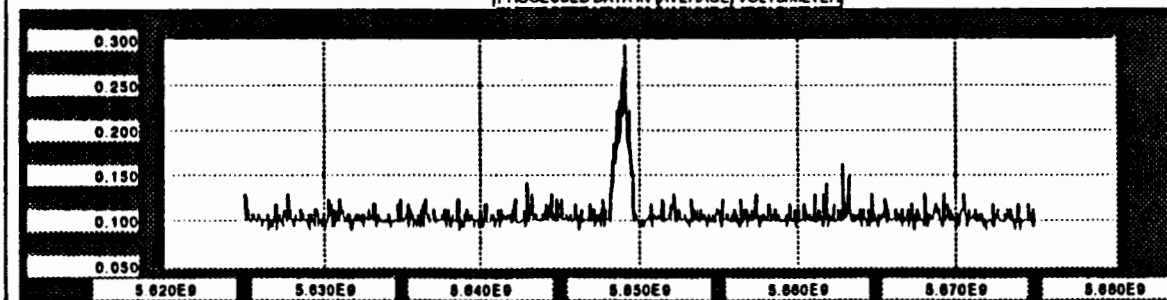
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

0.4E-4

EFP

28E9

RADAR NAME

FP918

ANTENNA FACTOR (dB)

36

RANGE (m)

5280

ALTITUDE (m)

1500

RADIUS (m)

5488.93

DATA FILE NAME

HARD DRIVE FLYBYDATA FP918RS280A1500

ESTIMATED E-FIELD LEVEL (PEAK) V/m

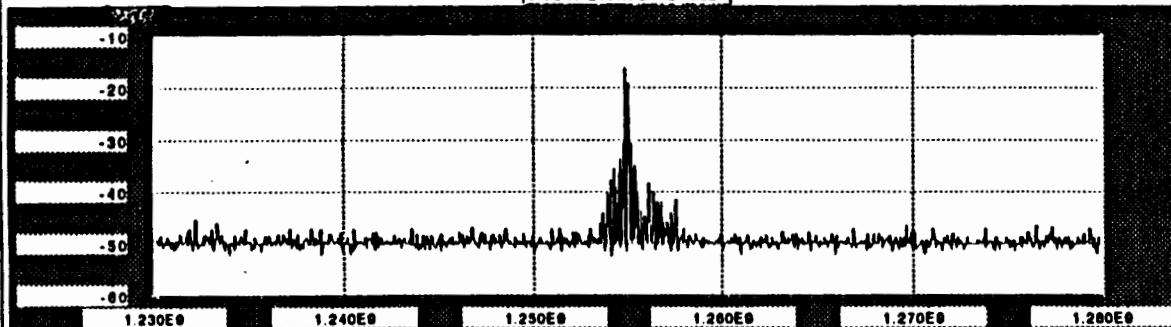
584.22

ESTIMATED E-FIELD LEVEL (AVERAGE) V/m

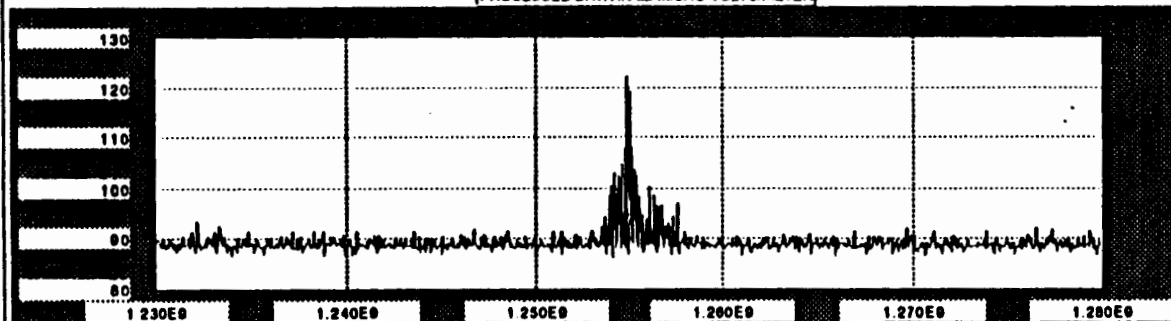
14.27

SECTION 3-4
FPS-65 DATA PLOTS

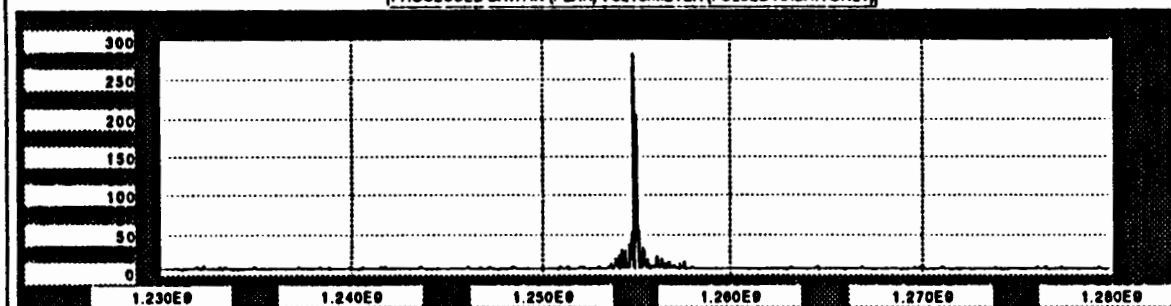
ORIGINAL RAW DATA IN dBm



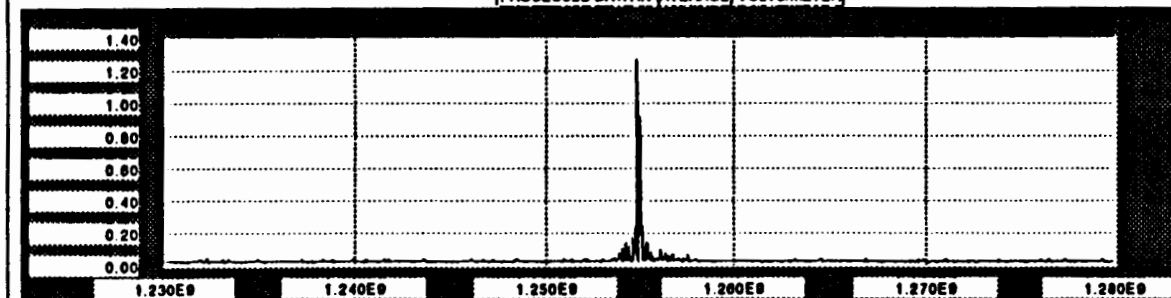
PROCESSED DATA IN dB MICRO VOLTMETER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

2.22E-9

EFP

0.3E9

RADAR NAME

FP865

ANTENNA FACTOR (dB)

31.5

RANGE (m)

15840

ALTITUDE (m)

1800

RADIUS (m)

15910.66

DATA FILE NAME

HARD DRIVE FLYBYDATA FP865R15840A1500

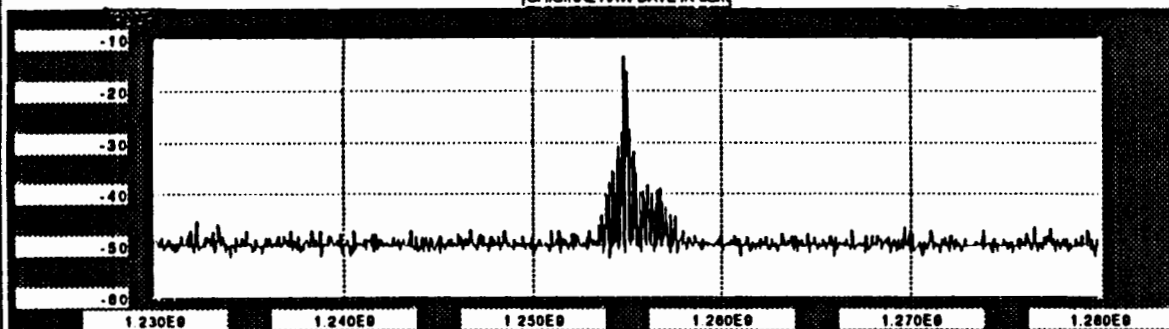
ESTIMATED E-FIELD LEVEL (PEAK) V/m

82.33

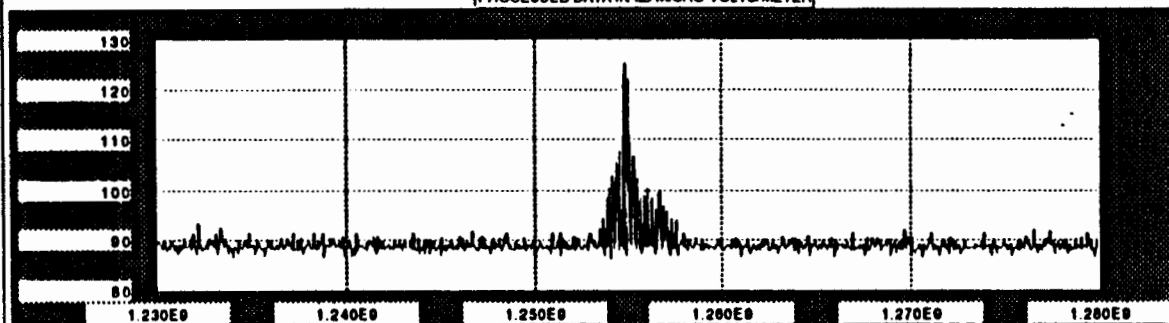
ESTIMATED E-FIELD LEVEL (AVERAGE) V/m

4.95

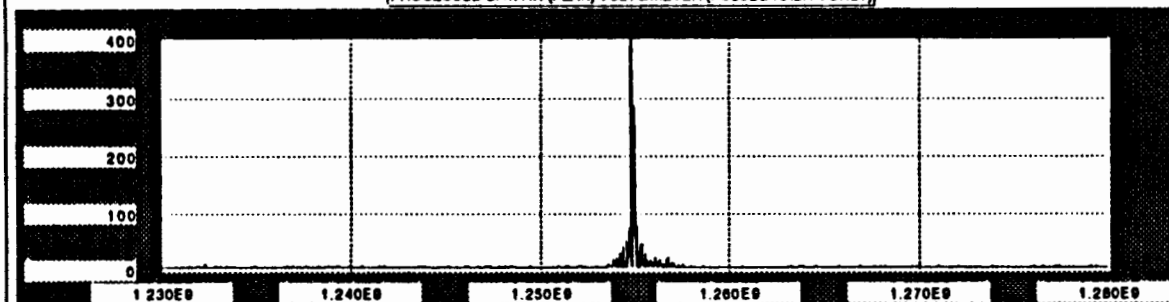
ORIGINAL RAW DATE IN dBm



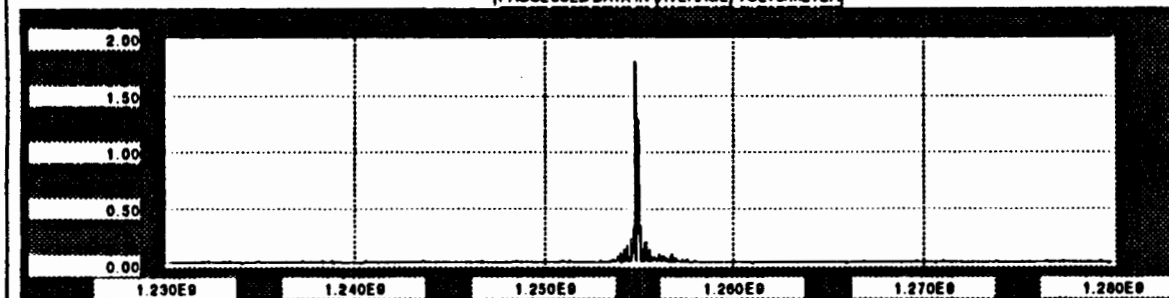
PROCESSED DATA IN dB MICRO-VOLTMETER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

2.22E-3

EFP

0.3E0

RADAR NAME

FPS65

ANTENNA FACTOR (dB)

31.8

RANGE (m)

10560

ALTITUDE (m)

1500

RADIUS (m)

10000.00

DATA FILE NAME

HARD DRIVE FLYBYDATA FPS65R10560A1500

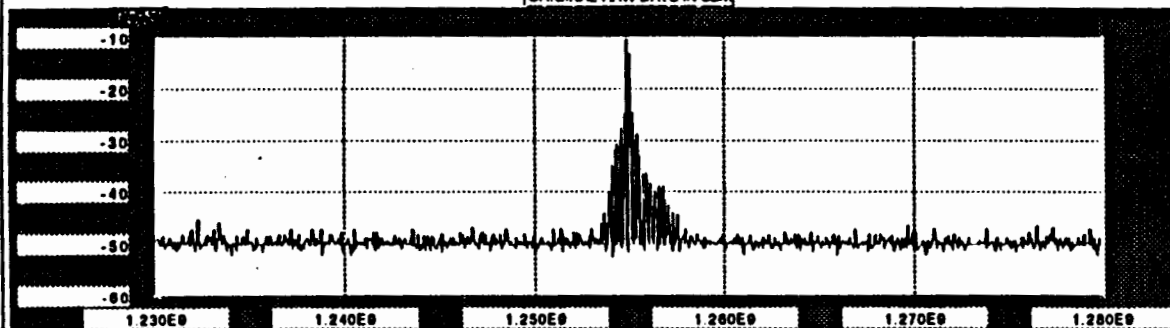
ESTIMATED E-FIELD LEVEL (PEAK) V/m

197.73

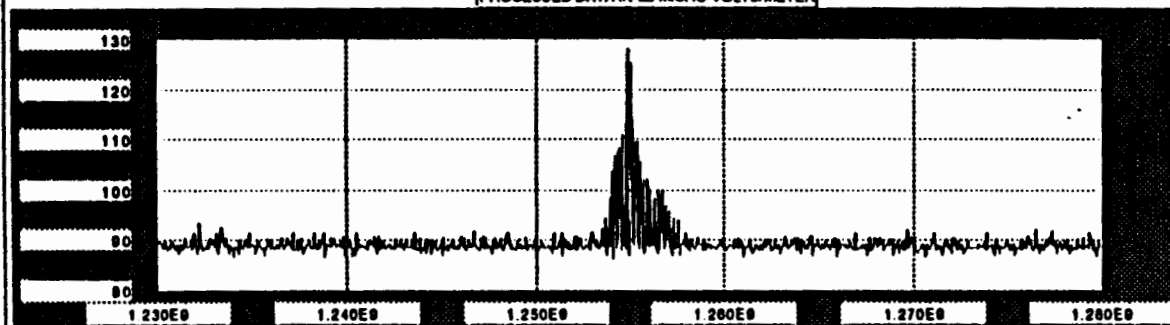
ESTIMATED E-FIELD LEVEL (AVERAGE) V/m

0.40

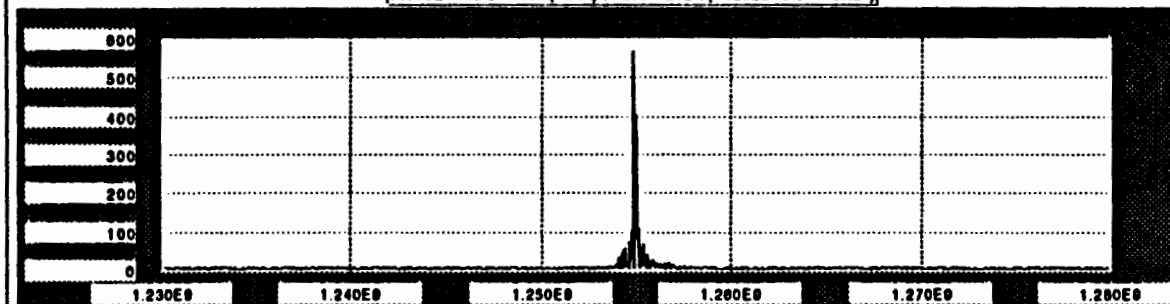
ORIGINAL RAW DATA IN dBm



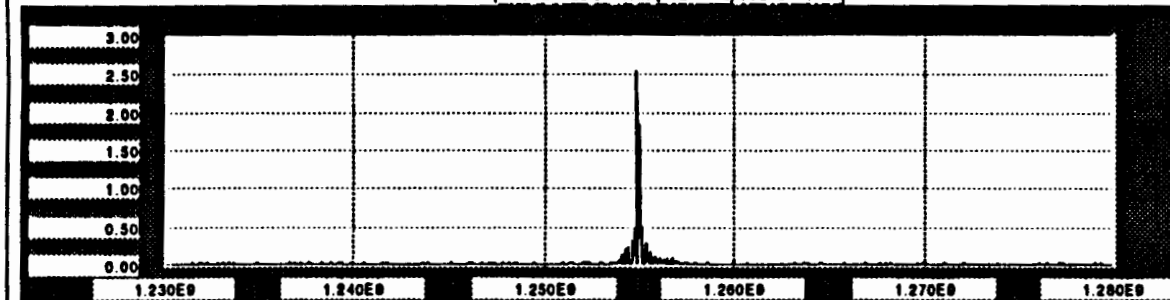
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.22E-3

ERP

0.3E0

RADAR NAME

FP886

ANTENNA FACTOR (dB)

31.6

RANGE (ft)

5280

ALTITUDE (ft)

1500

RADIUS (ft)

5488.03

DATA FILE NAME

HARD DRIVE FLYBYDATA FP865RS280A1500

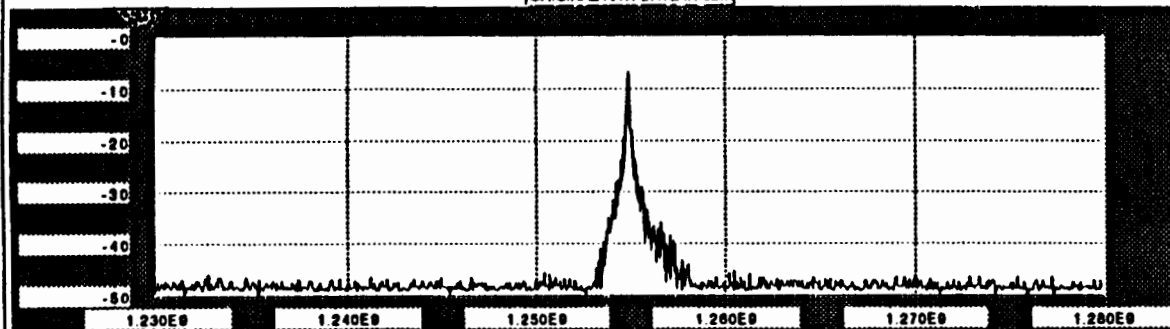
ESTIMATED E-FIELD LEVEL (PEAK) V/M

267.63

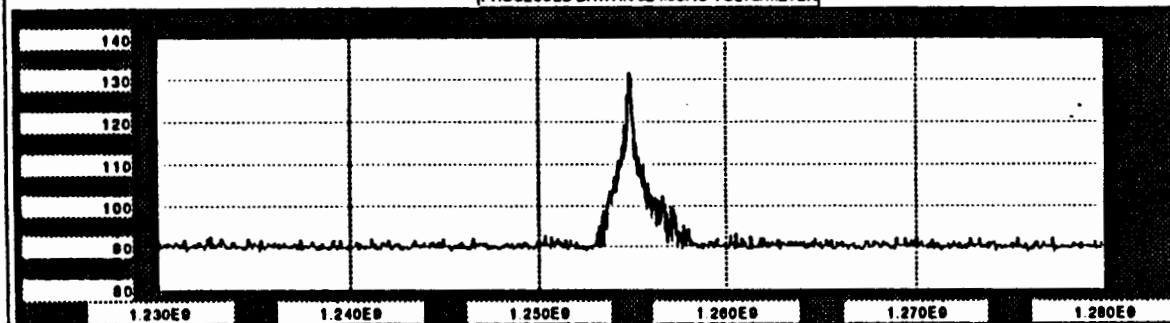
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

12.61

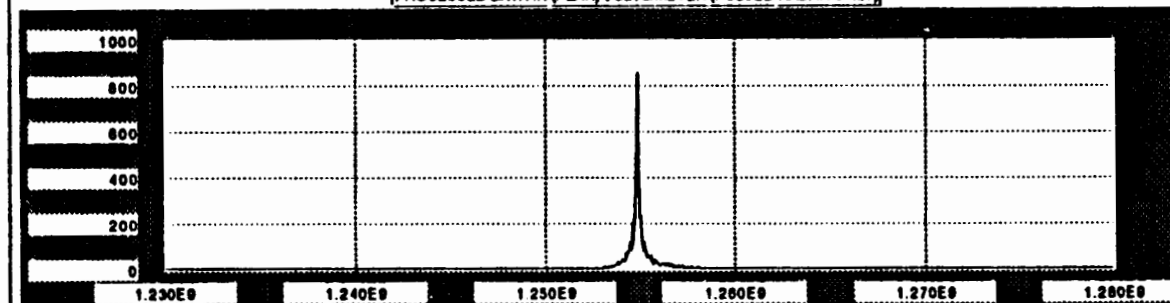
ORIGINAL RAW DATA IN dBm



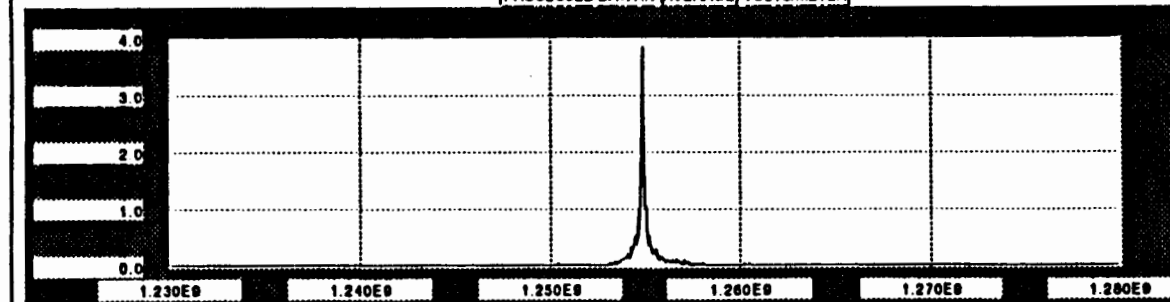
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

2.82E-3

EFP

6.3E0

RADAR NAME

FP805

ANTENNA FACTOR (dB)

31.8

RANGE (M)

5200

ALTITUDE (M)

1290

RADIUS (M)

5425.95

DATA FILE NAME

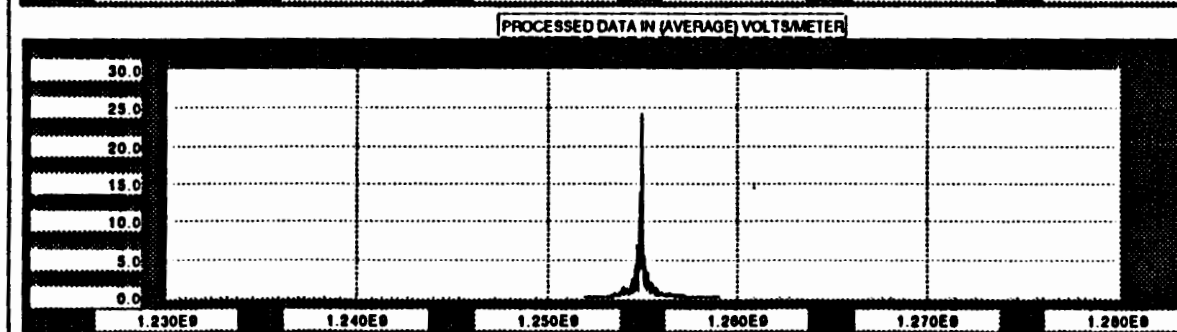
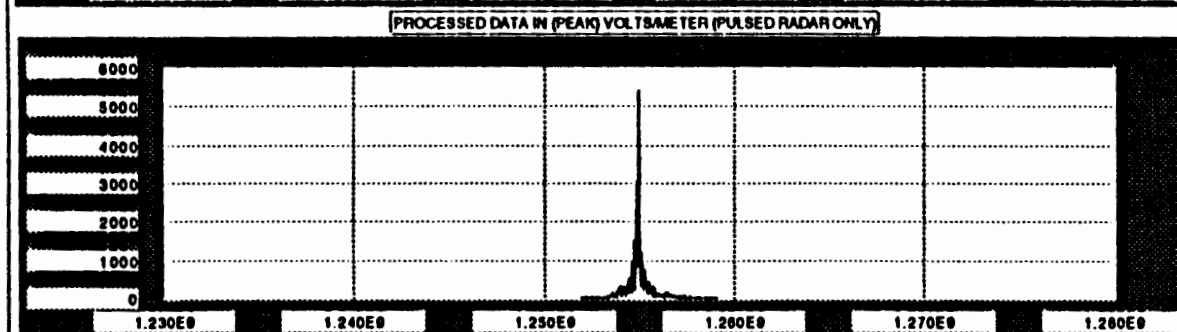
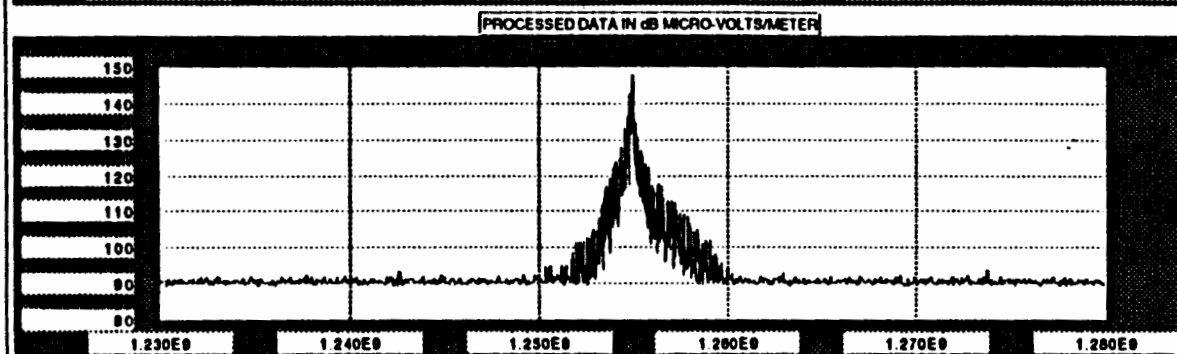
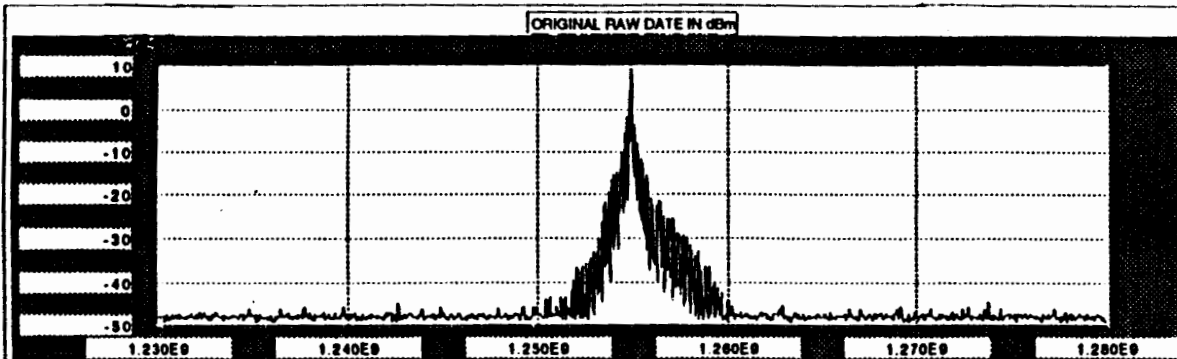
HARD DRIVE: FLYBYDATA FP805RS200A1250

ESTIMATED E-FIELD LEVEL (PEAK) V/M

270.74

ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

12.78



DUTY CYCLE
2.22E-3

ERP
0.3E0

RADAR NAME
FP865

ANTENNA FACTOR (dB)
31.5

RANGE (m)
600

ALTITUDE (m)
250

RADIUS (m)
730.13

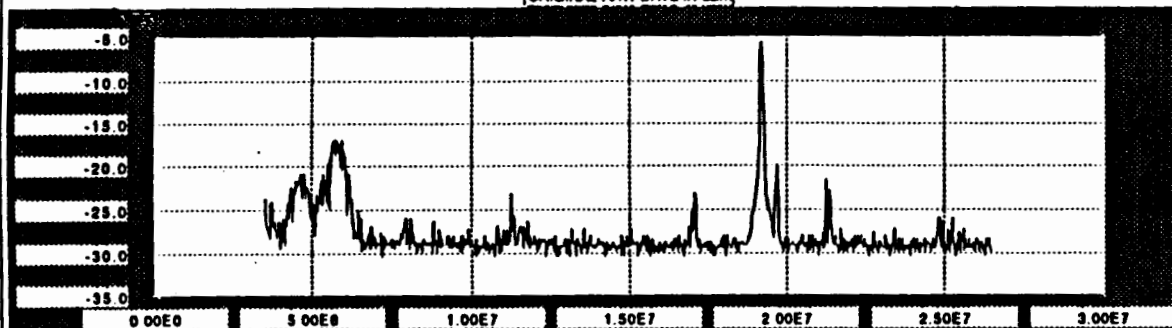
DATA FILE NAME
HARD DRIVE.FLYBYDATA FP865R060A250

ESTIMATED E-FIELD LEVEL (PEAK) V/m
2011.97

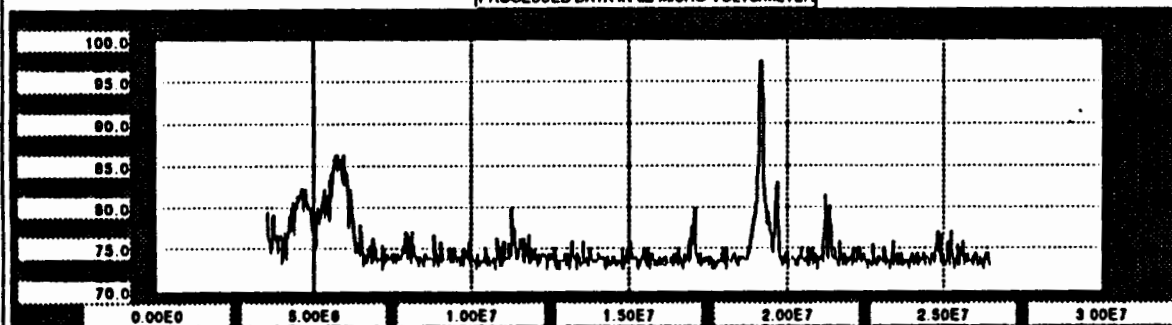
ESTIMATED E-FIELD LEVEL (AVERAGE) V/m
94.80

SECTION 3-5
OTHB PHASE II DATA PLOTS

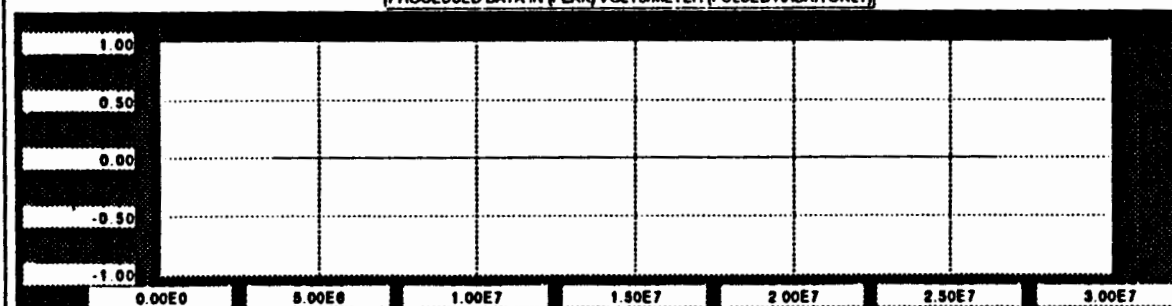
ORIGINAL RAW DATA IN dBm



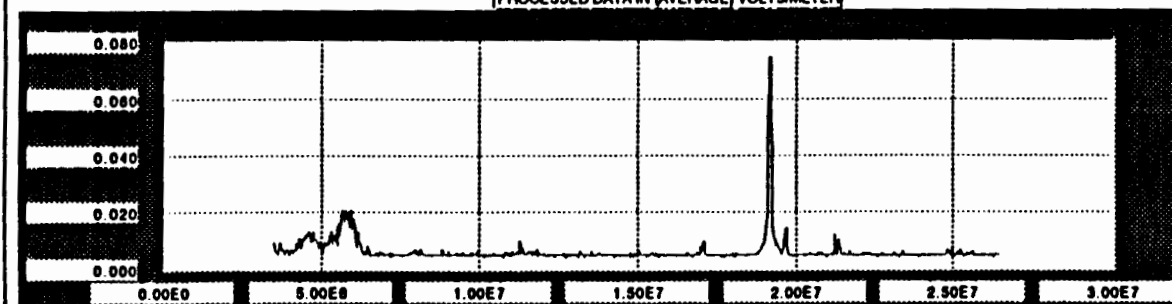
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN PEAK VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

EFP

231E3

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

0

ALTITUDE (m)

TOP-1

RADIUS (m)

0.00

DATA FILE NAME

HARD DRIVE.FLYBYDATA OTHBROGTOP-1

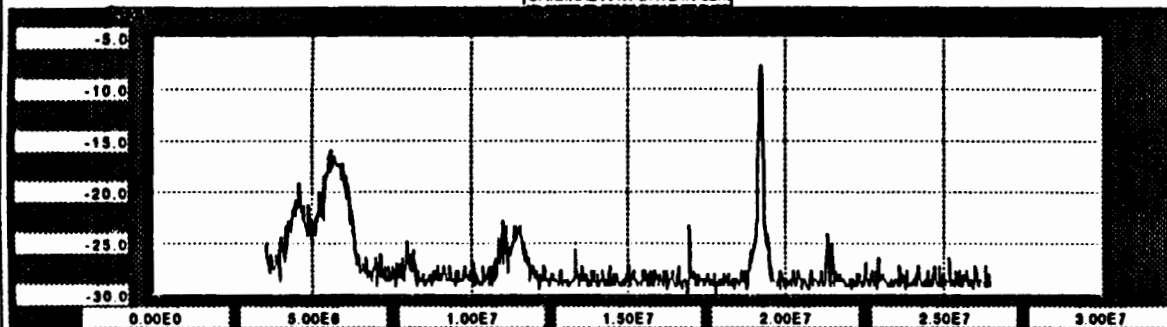
ESTIMATED E-FIELD LEVEL (PEAK) V/M

inf

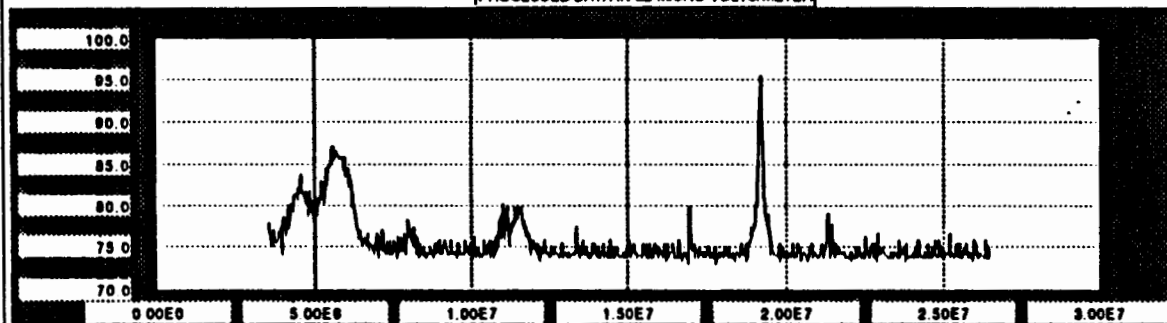
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

nan

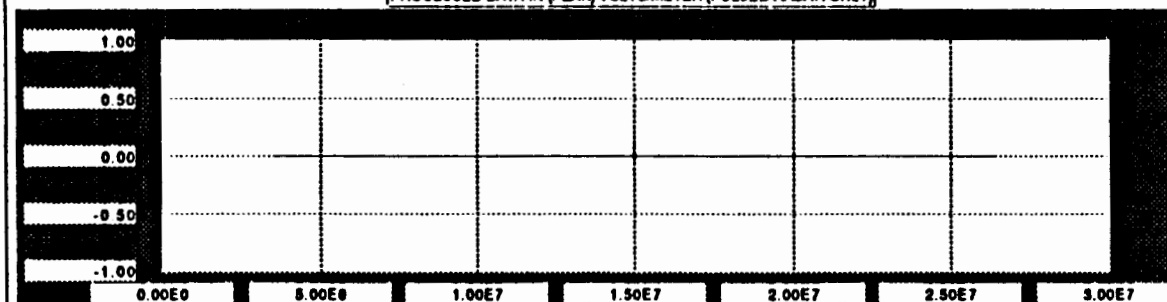
ORIGINAL RAW DATE IN dBm



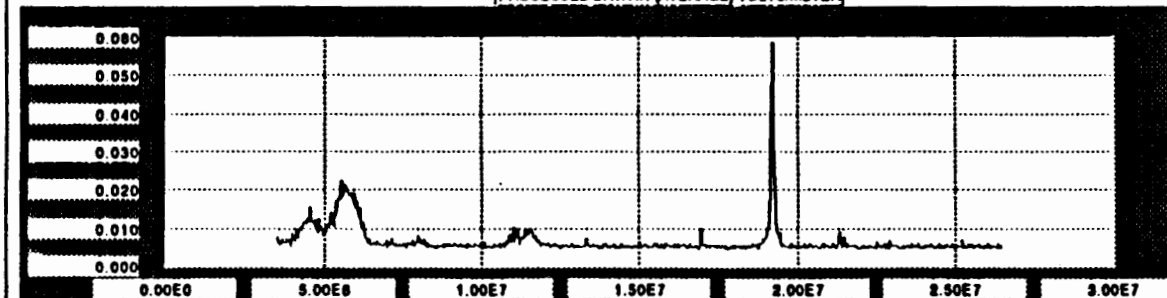
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

BPP

251E3

RADAR NAME

OTHB

ANTENNA FACTOR (dB)

-4

RANGE (m)

0

ALTITUDE (m)

TOP

RADIUS (m)

0.00

DATA FILE NAME

HARD DRIVE FLYBYDATA OTHBROATOP

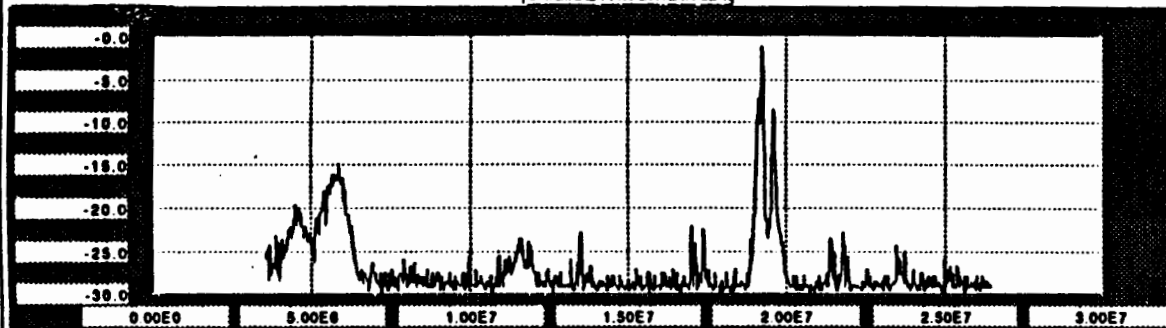
ESTIMATED E-FIELD LEVEL (PEAK) V/M

1m

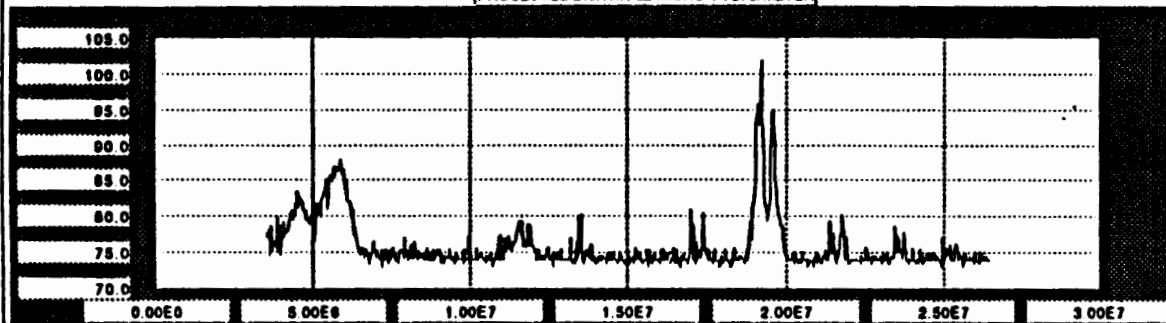
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

1m

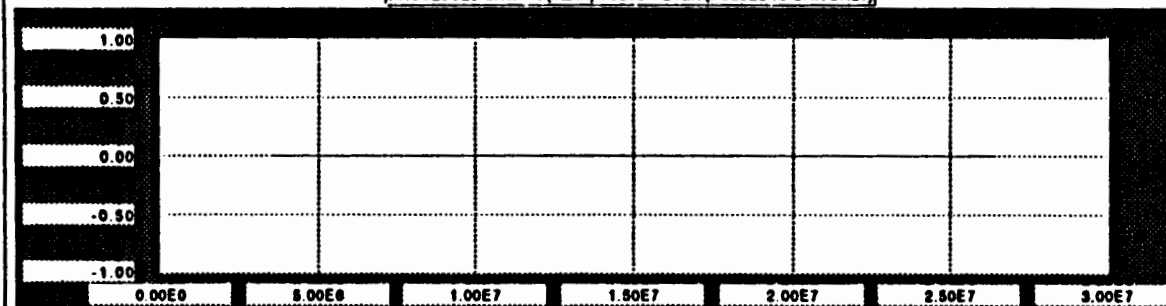
ORIGINAL RAW DATA IN dBm



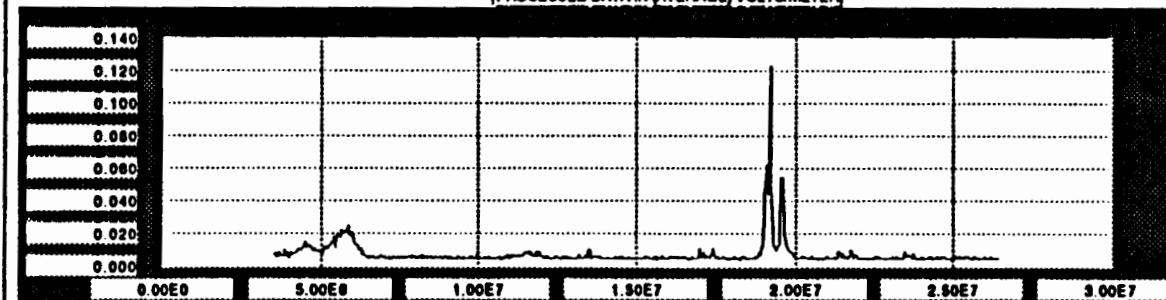
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

BPP

251E3

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

500

ALTITUDE (m)

500CIRC

RADIUS (m)

707.11

DATA FILE NAME

HARD DRIVE FLYBYDATA OTHBRS500A500CIRC

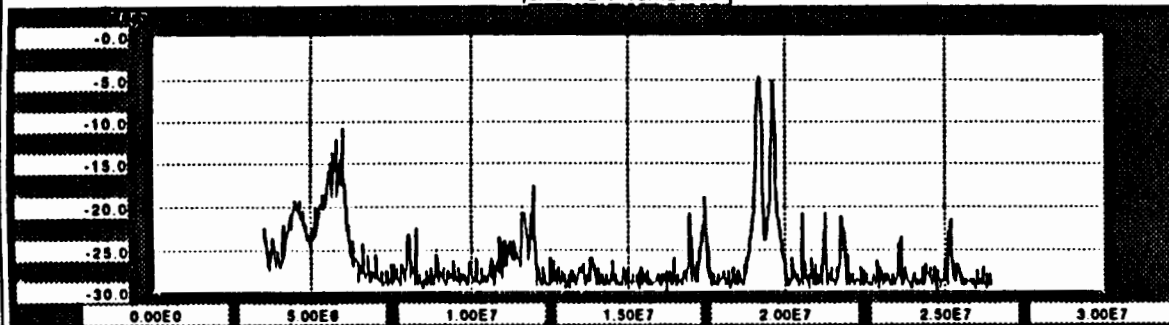
ESTIMATED E-FIELD LEVEL (PEAK) (V/M)

13.11

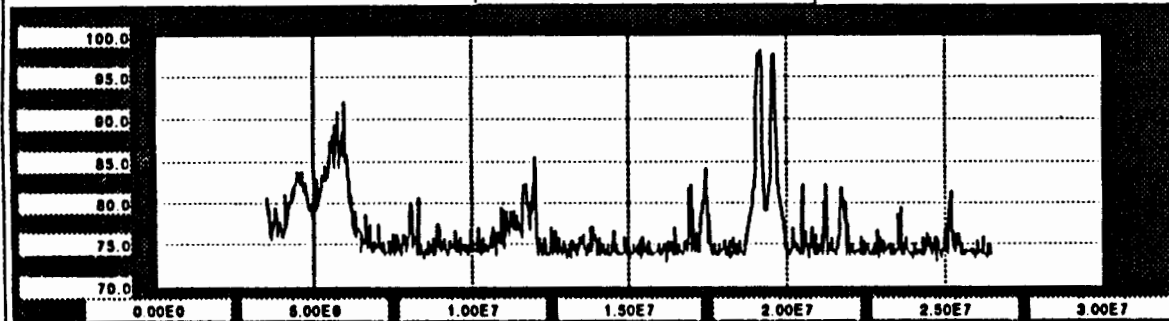
ESTIMATED E-FIELD LEVEL (AVERAGE) (V/M)

0.00

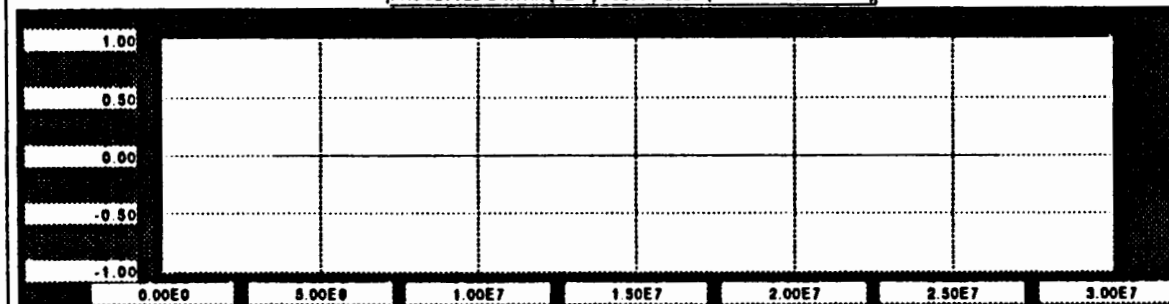
ORIGINAL RAW DATA IN dBm



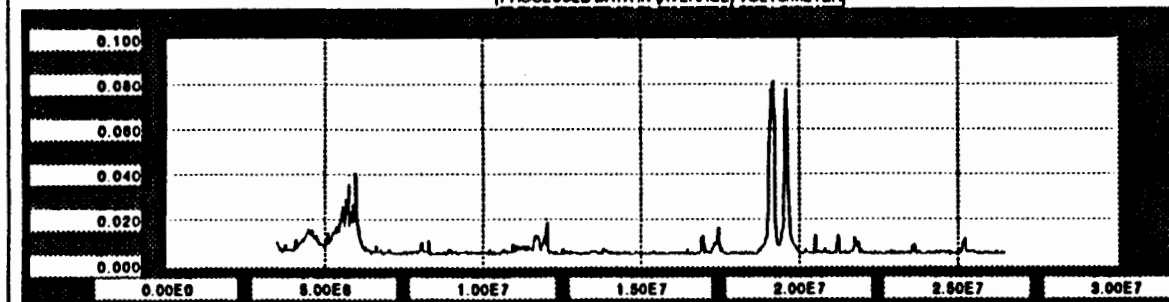
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTMETER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTMETER



DUTY CYCLE

0

BPP

251E3

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

2640

ALTITUDE (m)

300-1

RADIUS (m)

2650.00

DATA FILE NAME

HARD DRIVE FLYBYDATA OTHBR2640A300-1

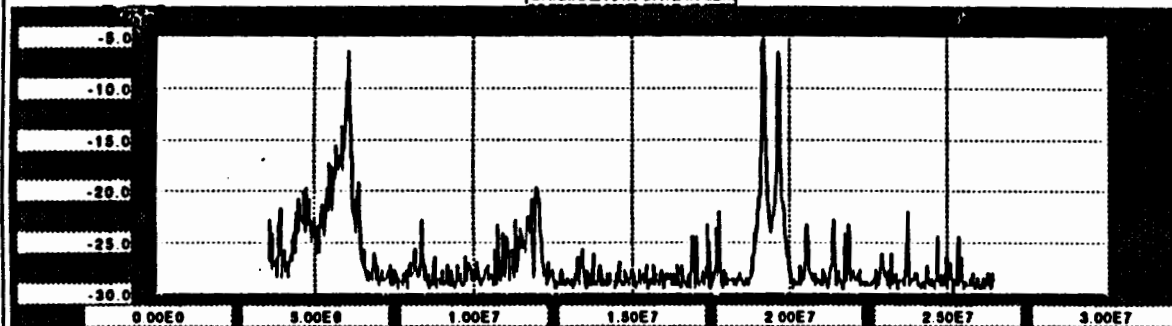
ESTIMATED E-FIELD LEVEL (PEAK) V/M

3.48

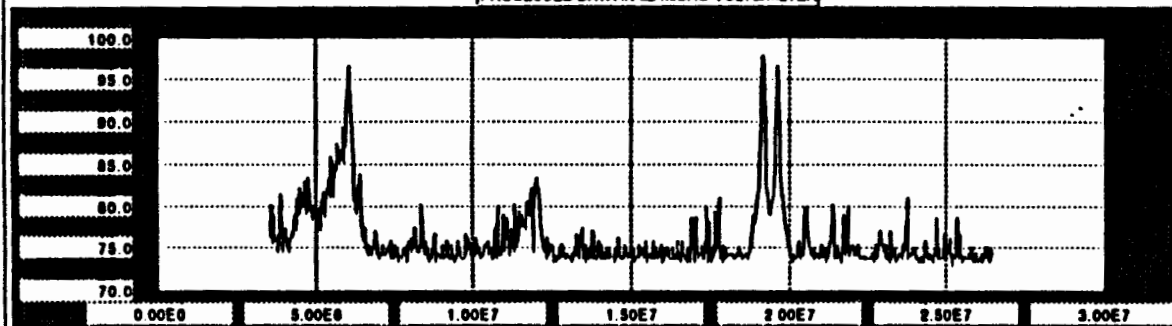
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

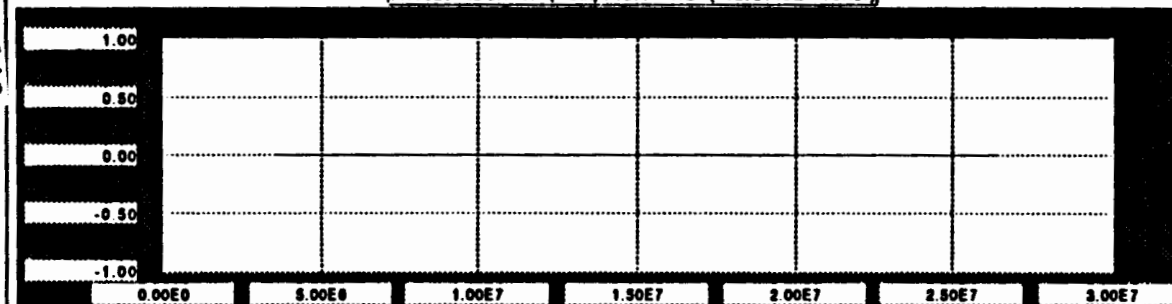
ORIGINAL RAW DATE IN dBm



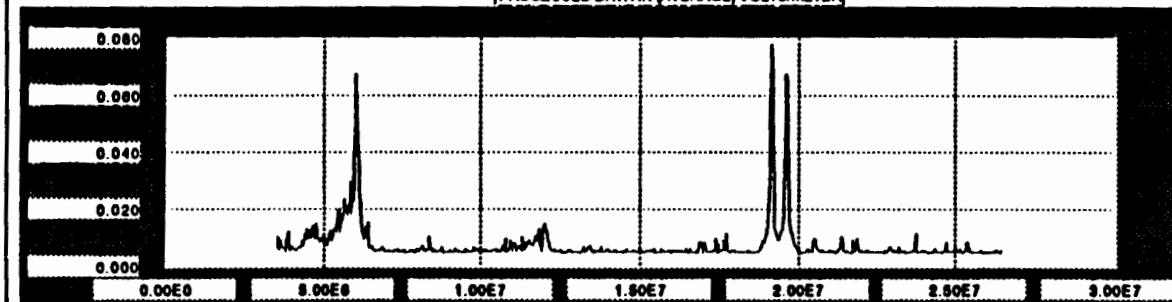
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.0

EPR

251E3

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

2840

ALTITUDE (m)

300

RADIUS (m)

2856.96

DATA FILE NAME

HARD DRIVE FLYBYDATA: OTHBR2840A300

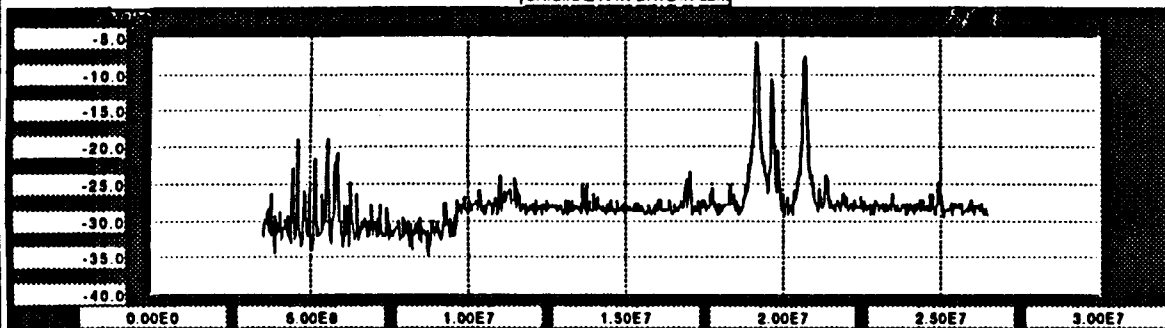
ESTIMATED E-FIELD LEVEL (PEAK) V/M

9.48

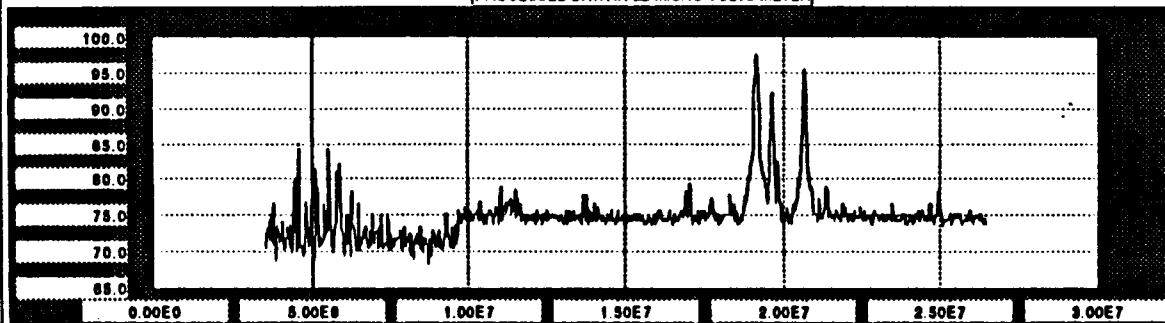
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

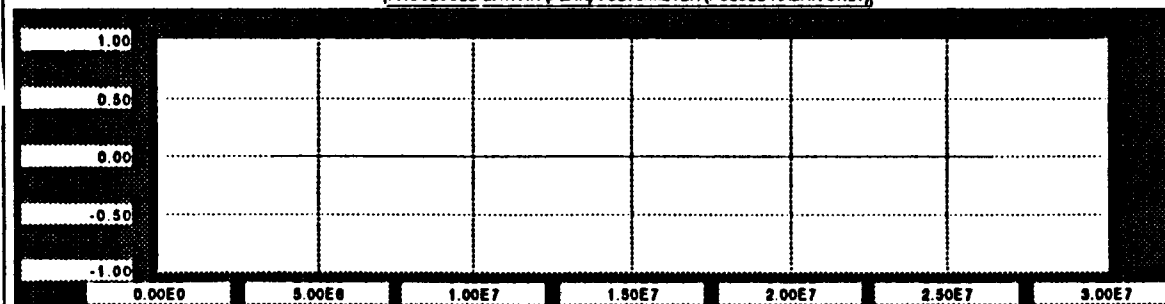
ORIGINAL RAW DATE IN dBm



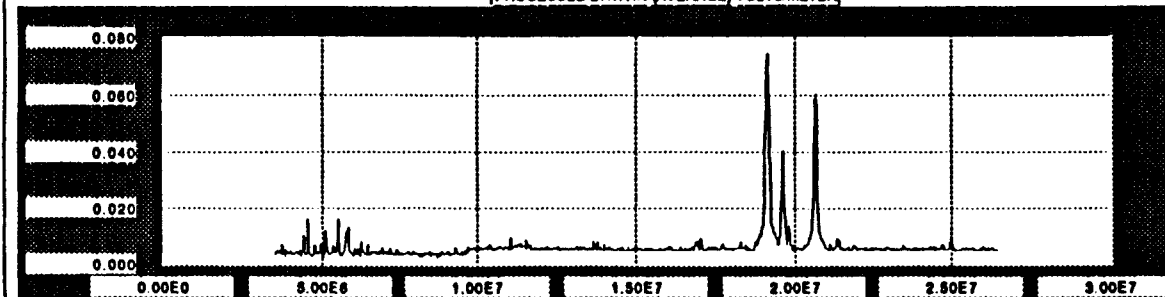
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0.10

BFP

281E9

RADAR NAME

OTH-B

ANTENNA FACTOR (dB)

-4

RANGE (m)

5280

ALTITUDE (m)

780.1

RADIUS (m)

5333.00

DATA FILE NAME

HARD DRIVE FLYBYDATA.OTHBR5280A750-1

ESTIMATED E-FIELD LEVEL (PEAK) V/M

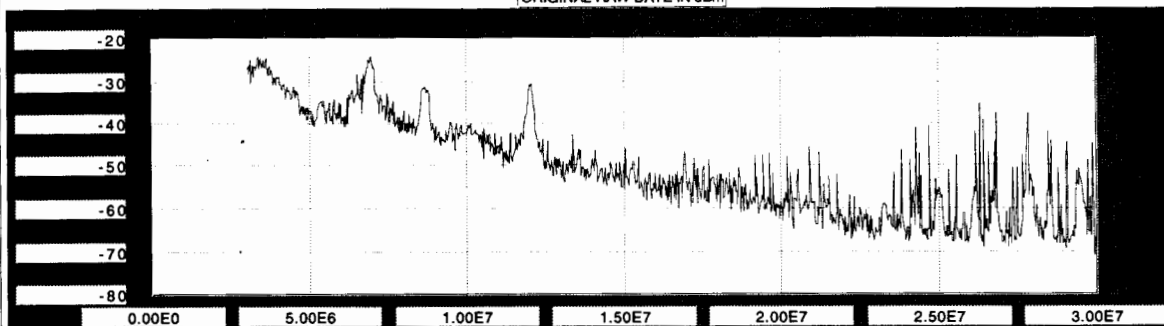
1.74

ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

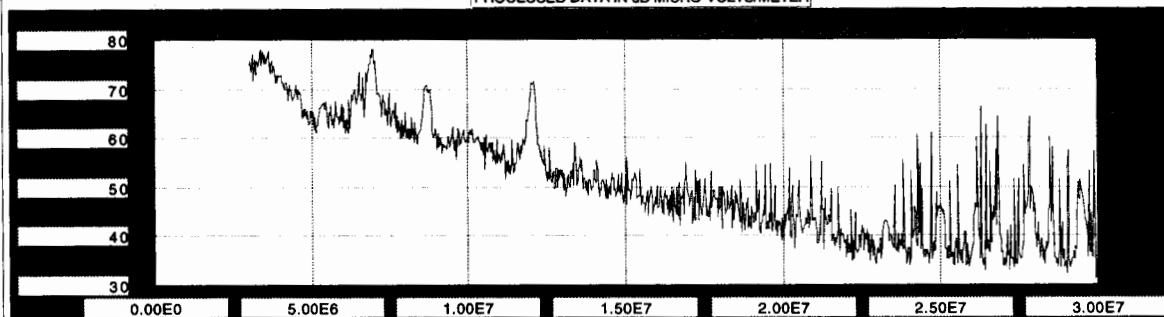
0.00

SECTION 3-6
HHC DATA PLOTS

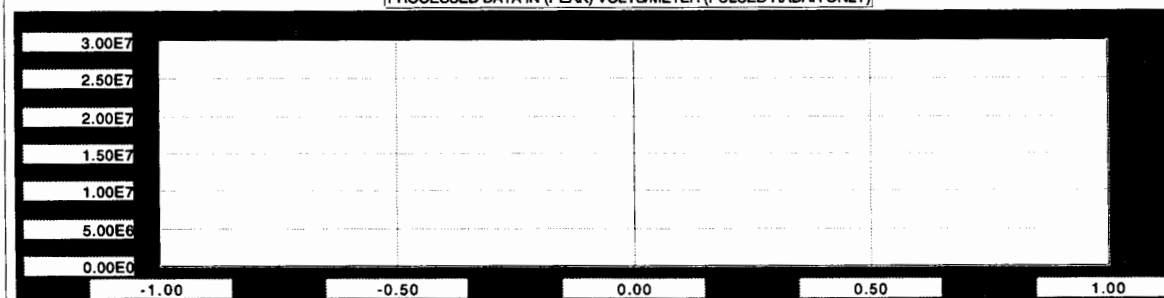
ORIGINAL RAW DATE IN dBm



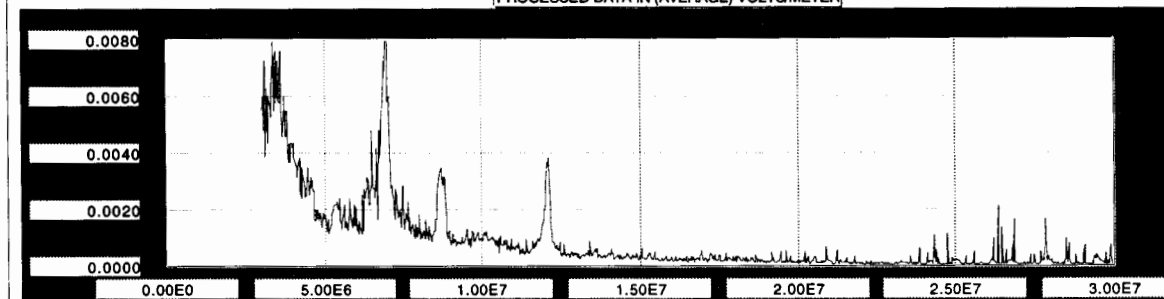
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

BPP

0

DISK ERROR

0.00

RADAR NAME

HHC

ANTENNA FACTOR (dB)

-5

RANGE (ft)

115

ALTITUDE (ft)

115HFSIDE

RADIUS (ft)

162.63

DATA FILE NAME

MONTANA:FLYBYDATA:HHCR115A115HFSIDE

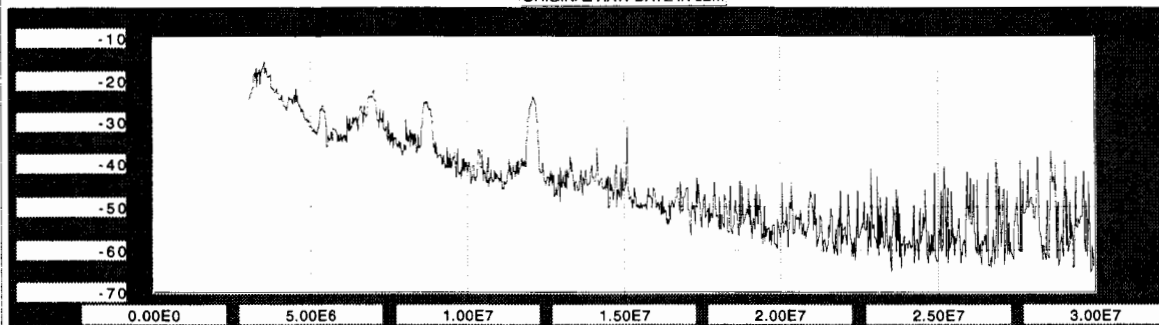
ESTIMATED E-FIELD LEVEL (PEAK) V/M

0.00

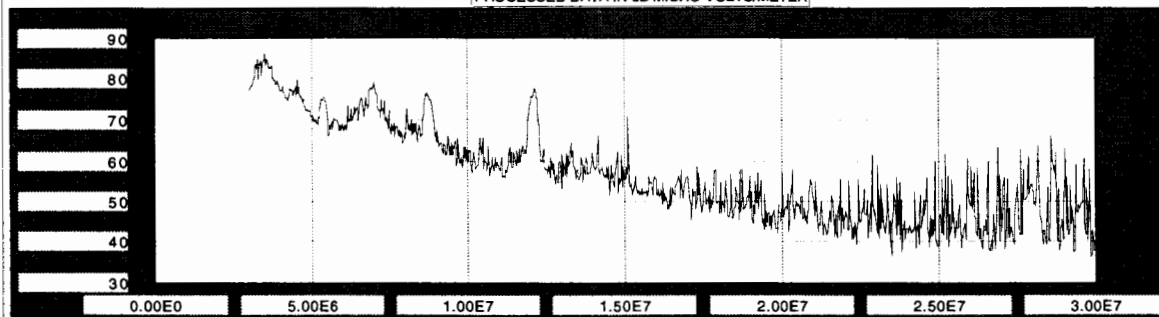
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

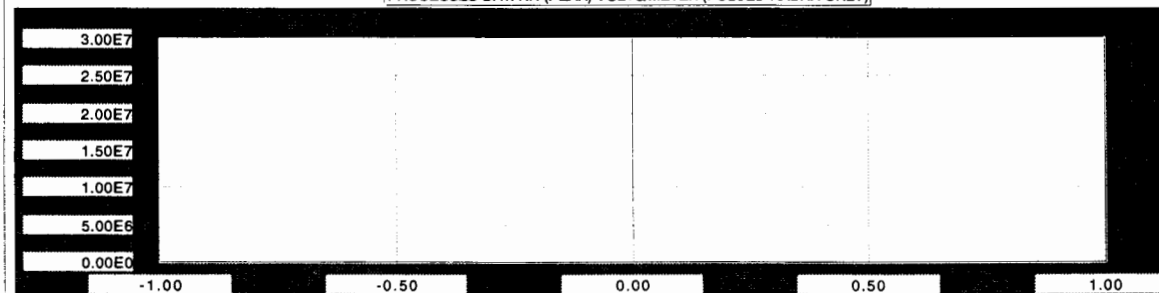
ORIGINAL RAW DATE IN dBm



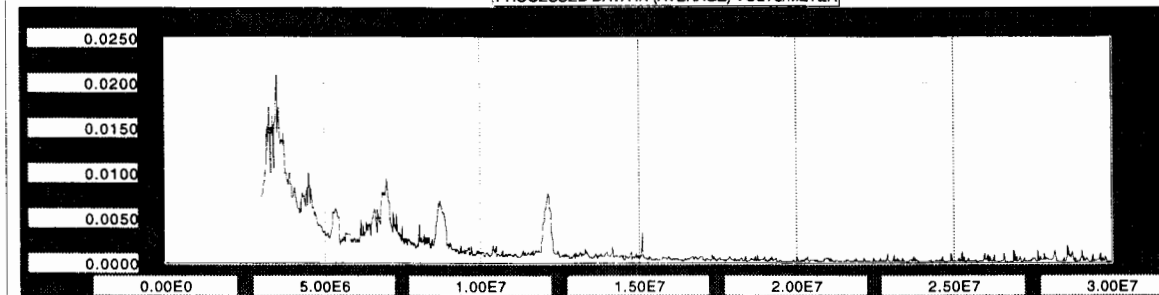
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

BPP

0

DISK ERROR

0.00

RADAR NAME

HHC

ANTENNA FACTOR (dB)

-5

RANGE (ft)

115

ALTITUDE (ft)

115HFFRONT

RADIUS (ft)

162.63

DATA FILE NAME

MONTANA:FLYBYDATA:HHC115A115HFFRONT

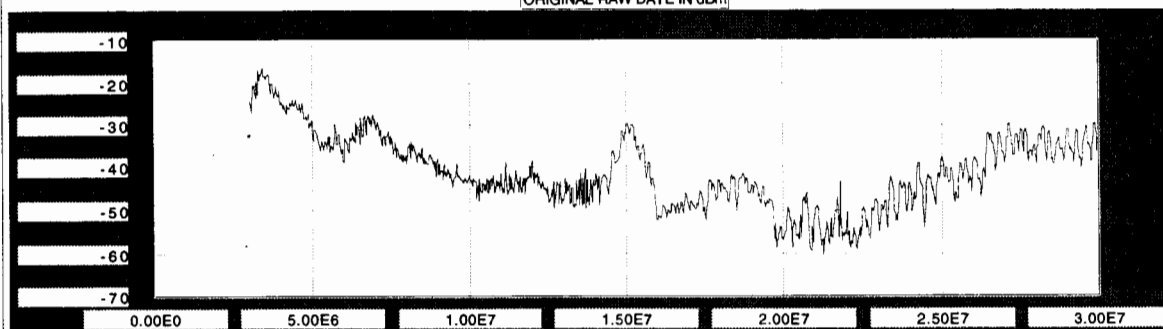
ESTIMATED E-FIELD LEVEL (PEAK) V/M)

0.00

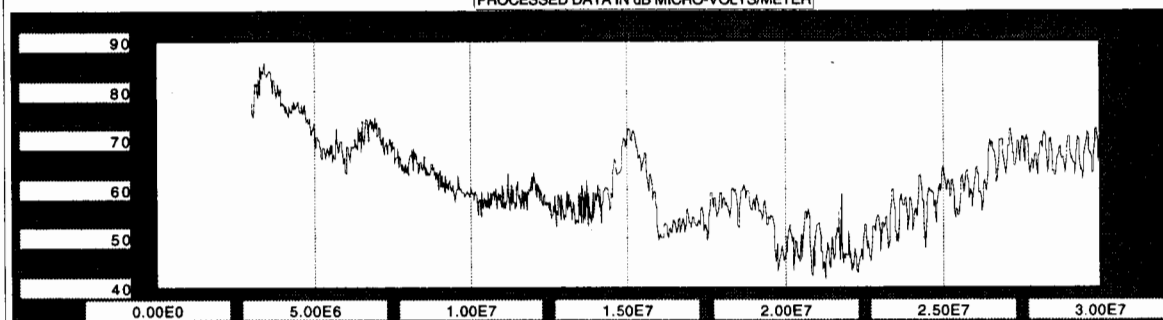
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M)

0.00

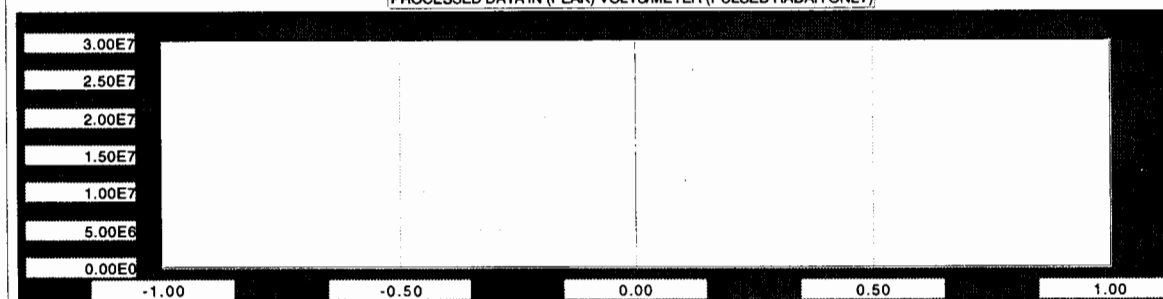
ORIGINAL RAW DATE IN dBm



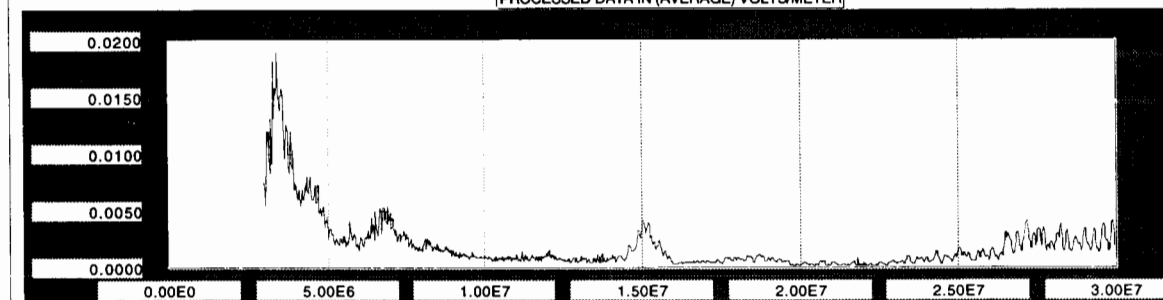
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

EFP

0

DISK ERROR

0.00

RADAR NAME

HHC

ANTENNA FACTOR (dB)

-5

RANGE (ft)

243

ALTITUDE (ft)

243HFSIDE

RADIUS (ft)

343.65

DATA FILE NAME

MONTANA:FLYBYDATA:HHC243A243HFSIDE

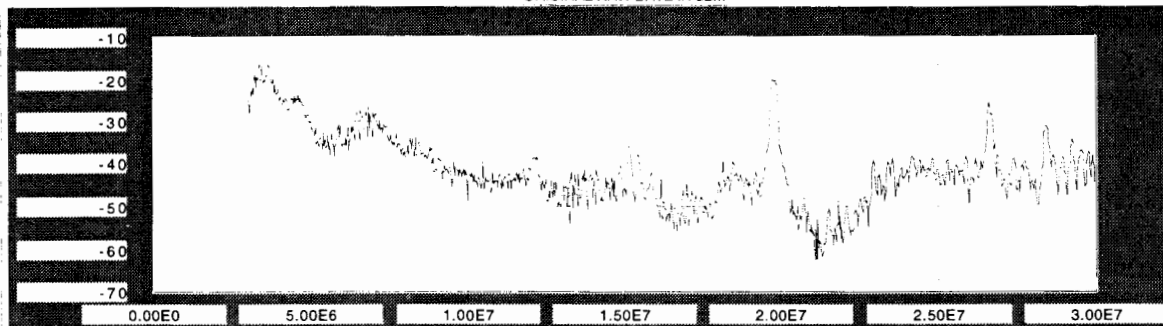
ESTIMATED E-FIELD LEVEL (PEAK) V/M)

0.00

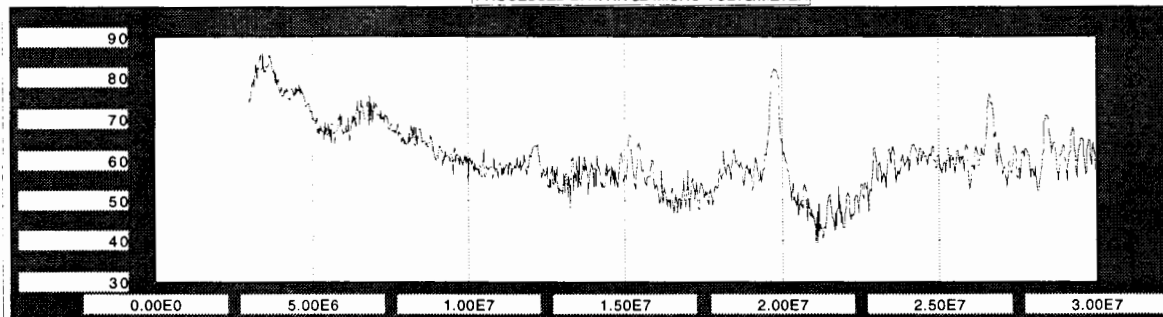
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M)

0.00

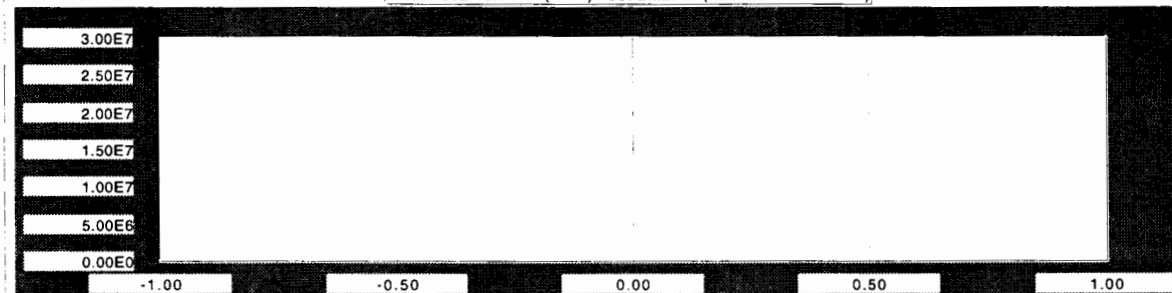
ORIGINAL RAW DATE IN dBm



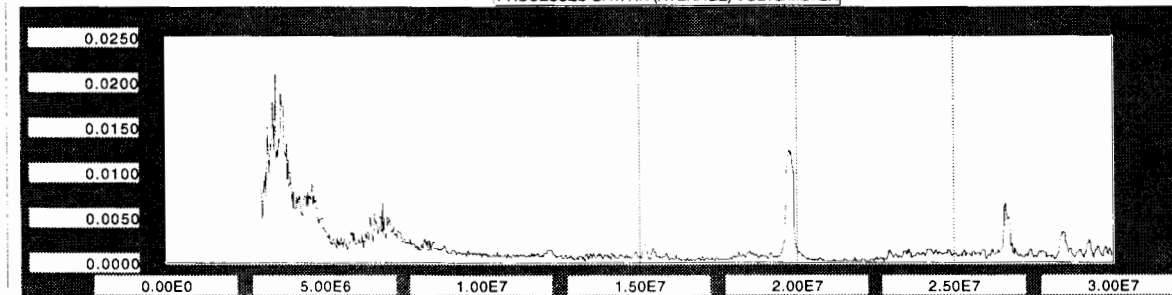
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

EPP

0

DISK ERROR

0.00

RADAR NAME

HHC

ANTENNA FACTOR (dB)

-5

RANGE (ft)

243

ALTITUDE (ft)

243HFFRONT

RADIUS (ft)

343.65

DATA FILE NAME

MONTANA:FLYBYDATA:HHC243A243HFFRONT

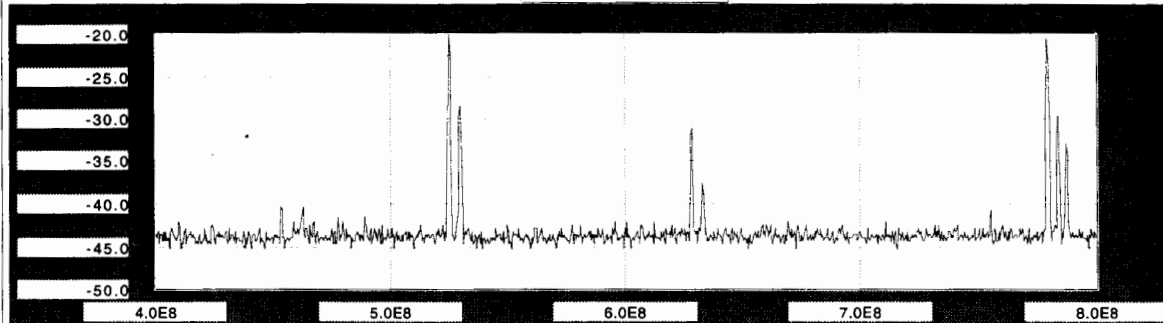
ESTIMATED E-FIELD LEVEL (PEAK) V/M)

0.00

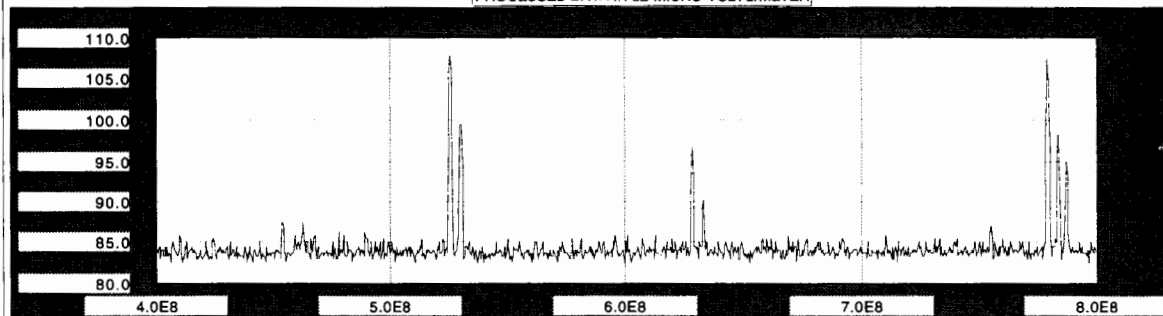
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M)

0.00

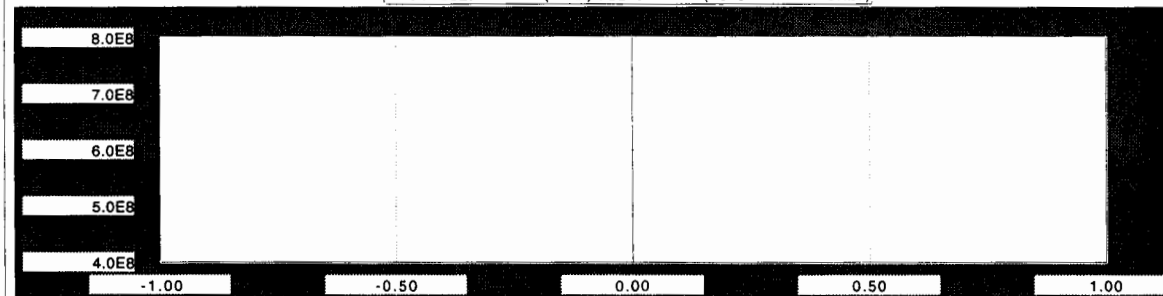
ORIGINAL RAW DATE IN dBm



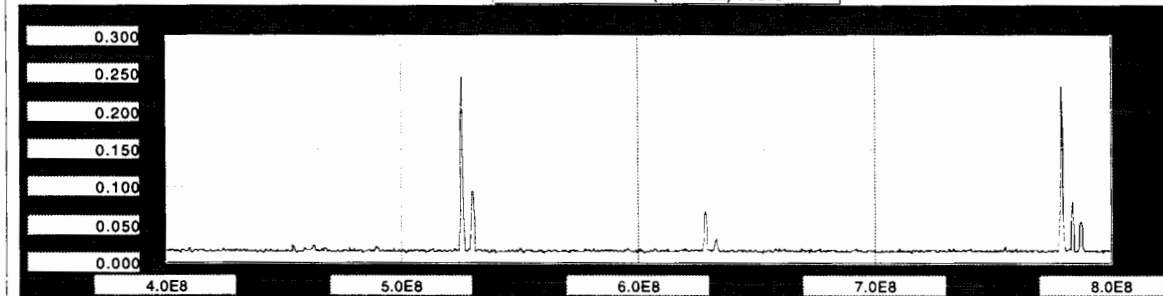
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

EPP

0

DISK ERROR

0.00

RADAR NAME

HHC

ANTENNA FACTOR (dB)

20.8

RANGE (ft)

115

ALTITUDE (ft)

115PPSIDE

RADIUS (ft)

162.63

DATA FILE NAME

MONTANA:FLYBYDATA:HHC115A115PPSIDE

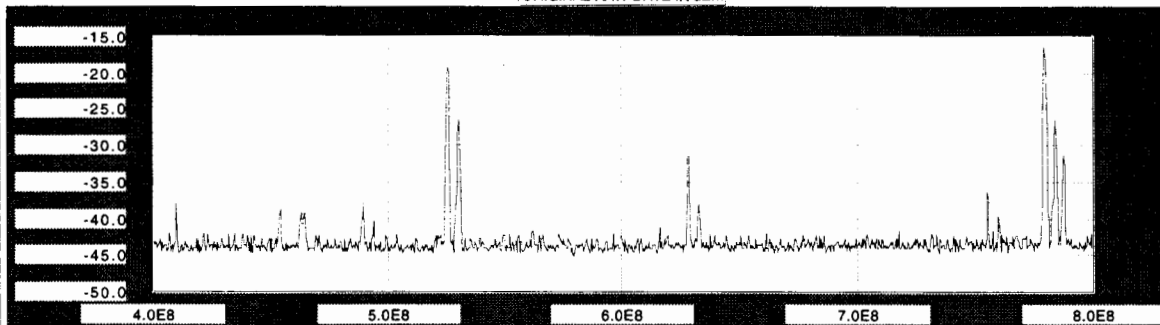
ESTIMATED E-FIELD LEVEL (PEAK) V/M)

0.00

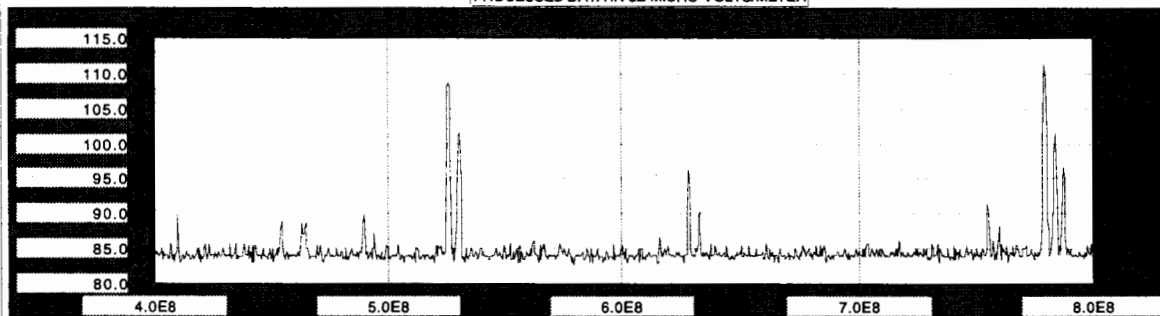
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M)

0.00

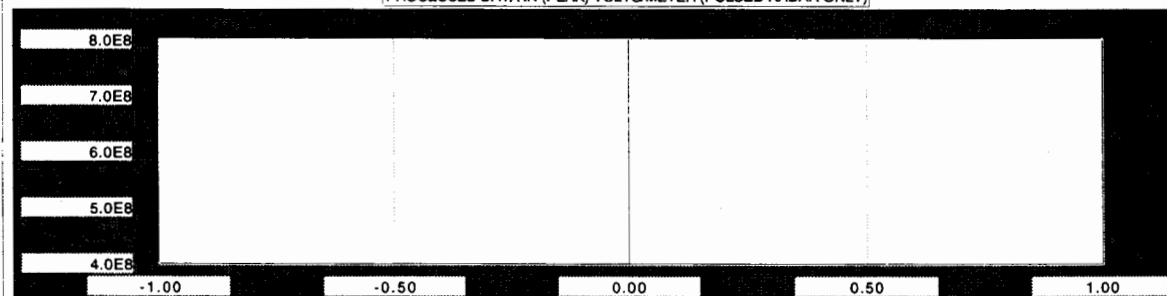
ORIGINAL RAW DATE IN dBm



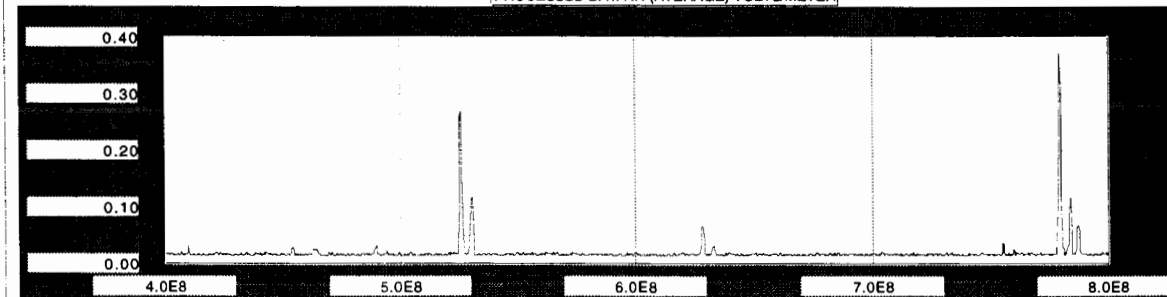
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

ERP

0

DISK ERROR

0.00

RADAR NAME

HHC

ANTENNA FACTOR (dB)

20.8

RANGE (ft)

115

ALTITUDE (ft)

115PPFRONT

RADIUS (ft)

162.63

DATA FILE NAME

MONTANA:FLYBYDATA:HHC115A115PPFRONT

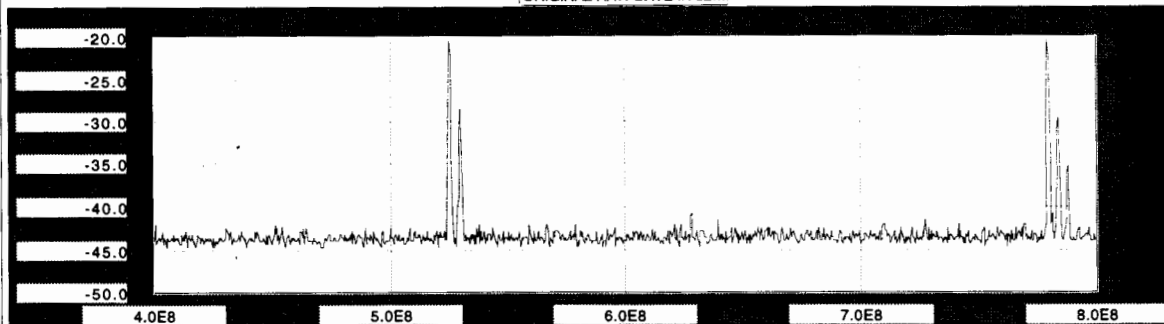
ESTIMATED E-FIELD LEVEL (PEAK) V/M

0.00

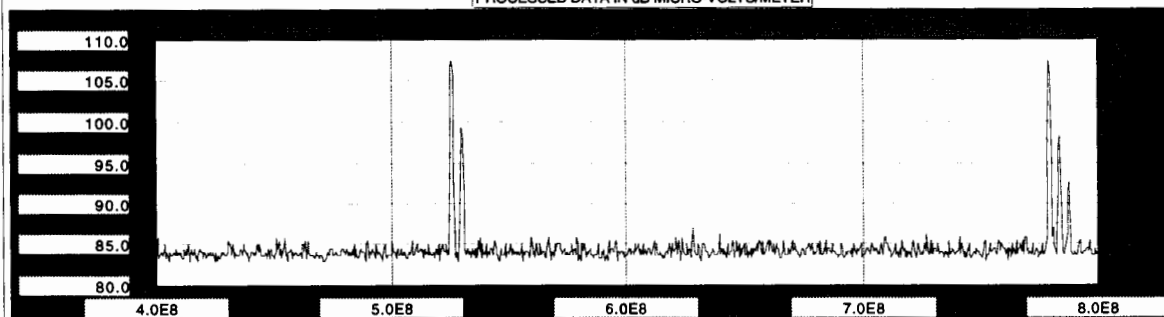
ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

0.00

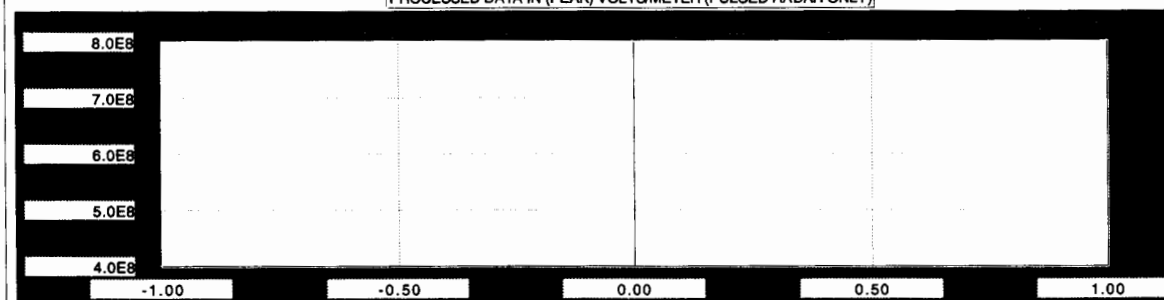
ORIGINAL RAW DATE IN dBm



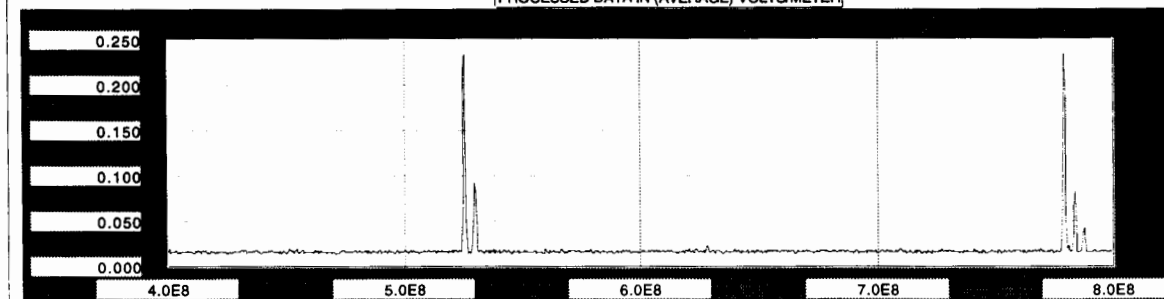
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE

0

BFP

0

DISK ERROR

0.00

RADAR NAME

HHC

ANTENNA FACTOR (dB)

20.8

RANGE (ft)

243

ALTITUDE (ft)

243PPSIDE

RADIUS (ft)

343.65

DATA FILE NAME

MONTANA:FLYBYDATA:HHCR243A243PPSIDE

ESTIMATED E-FIELD LEVEL (PEAK) V/M

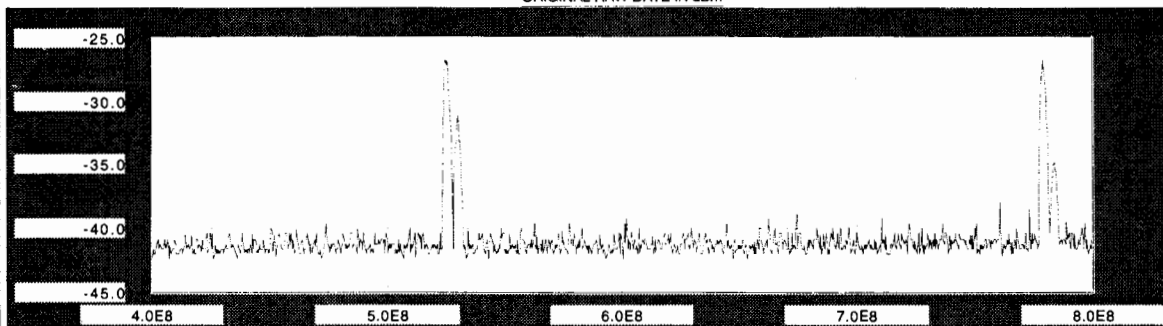
0.00

ESTIMATED E-FIELD LEVEL (AVERAGE) V/M

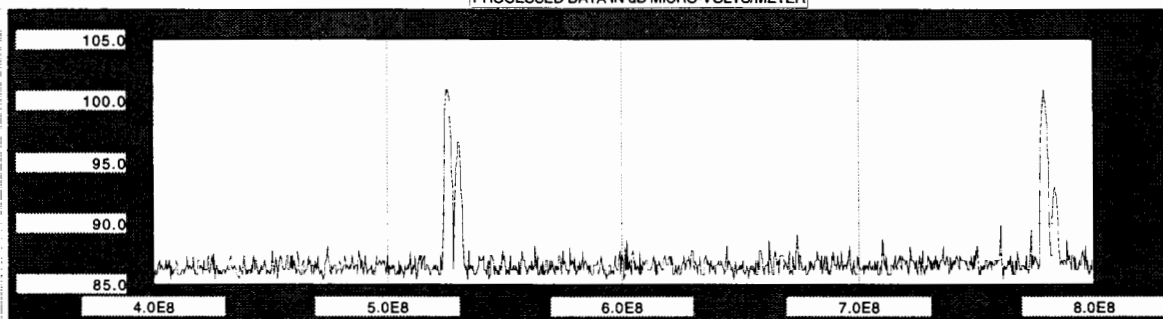
0.00

00015232

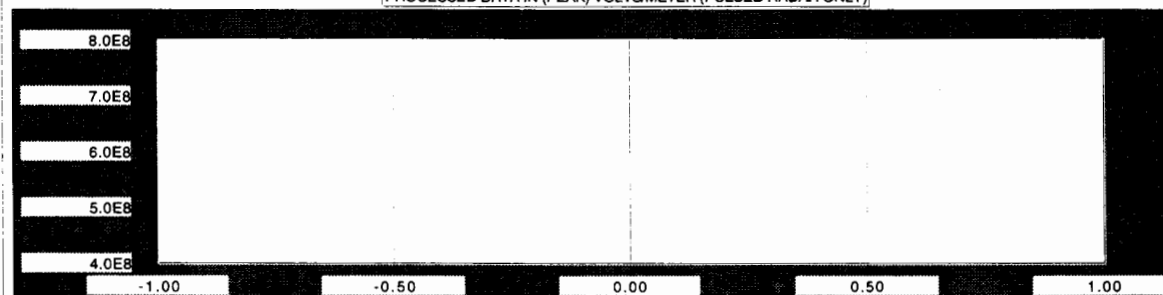
ORIGINAL RAW DATE IN dBm



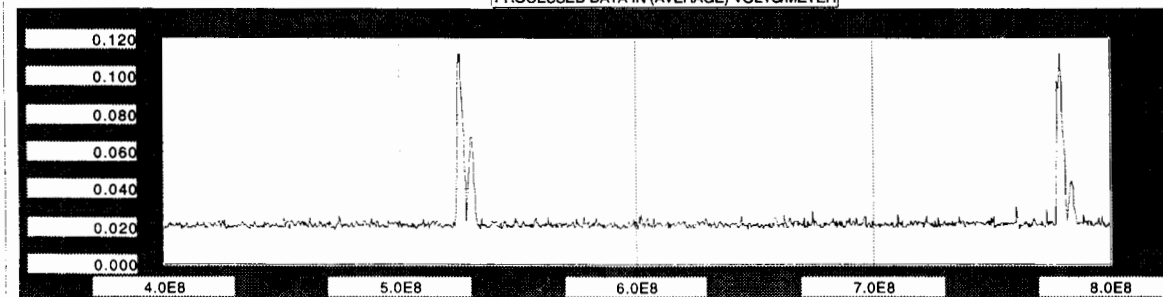
PROCESSED DATA IN dB MICRO-VOLTS/METER



PROCESSED DATA IN (PEAK) VOLTS/METER (PULSED RADAR ONLY)



PROCESSED DATA IN (AVERAGE) VOLTS/METER



DUTY CYCLE
0

EPP
0

DISK ERROR
0.00

RADAR NAME
HHC

ANTENNA FACTOR (dB)
20.8

RANGE (ft)
243

ALTITUDE (ft)
243PPFRONT

RADIUS (ft)
343.65

DATA FILE NAME

MONTANA:FLYBYDATA:HHCR243A243PPFRONT

ESTIMATED E-FIELD LEVEL (PEAK) V/M
0.00

ESTIMATED E-FIELD LEVEL (AVERAGE) V/M
0.00