

## **COMMENTS FROM SITE 5A**

**Site 5A South Joyce St. & Armev-Navy Drive #2 (Arlington, VA)**

**Date:** August 10, 1999

**Weather Conditions:** Cloudy Sky; Dusk; Temp Low 70°s

**Comments:** Building is partially blocking signal from Echostar (119).

# Northpoint Technology - DBS Compatibility Test - Washington DC Area

## Rx Site Data Log

Rx Site No. 5A p1  
 Set: 1/11  
*Arrival*

Re: Rx Condx Ref. No. 1

Date / Time: 8/10/99 19:10 EDT

*Dep.*  
20.40

Re: Tx Condx Ref. No. 1

Operator: Adura

### Data Measurements:

NPTx Carrier Freq. (GHz) 12.47

Disk Filename X

(1) NP Signal - NPTx ON:

*Boom up - 25' AGL*

Ant:  
Power (Px) -53.33dB TV Pix

Plot ID 5A-1 File Rec X

*-59 @ 30mpps @ 8mpps*

(2) DBS Signals - NPTx OFF: (Do also ssp data on page 2).

Sat 1 Ant:  
Power (Px) TV Pix

Plot ID File Rec

Sat 2 DTV Ant:  
Power (Px) -64.50dB TV Pix OK

Plot ID 5A-2b File Rec X

Sat 3 ES (61.5) Ant:  
Power (Px) -66.00dB TV Pix OK

Plot ID 5A-2c File Rec X

Sat 4 ES (119) Ant:  
Power (Px) -65.33dB TV Pix OK

Plot ID 5A-2d File Rec X

(3) DBS Signals - NPTx ON: (Do also ssp data on page 2).

Sat 1 Ant:  
Power (Px) TV Pix

Plot ID File Rec X

Sat 2 DTV Ant:  
Power (Px) -64.67dB TV Pix OK

Plot ID 5A-3b File Rec X

Sat 3 ES (61.5) Ant:  
Power (Px) -68.17dB TV Pix OK

Plot ID 5A-3c File Rec X

Sat 4 ES (119) Ant:  
Power (Px) -65.67dB TV Pix OK

Plot ID 5A-3d File Rec X

(4) NPTx OFF.

# Northpoint Technology – DBS Compatiblilty Test – Washington DC Area

## Rx Site Data Log

Rx Site No. 5A p2  
 Set: 111

### Signal Strength Pointer (ssp) Data --

(2a) NPTx OFF:

Sat 1	T-										Avg:		
Sat 2	T-18	83	82	79	77	81	82	83	77	82	78	Avg:	80.4
Sat 3	T-18	75	75	75	74	76	74	76	74	74	75	Avg:	74.8
Sat 4	T-18	89	89	90	89	89	89	89	90	89	90	Avg:	89.3

(3a) NPTx ON:

Sat 1	T-										Avg:		
Sat 2	T-18	81	82	84	81	83	83	77	83	76	80	Avg:	81.2
Sat 3	T-18	79	79	78	77	79	79	79	79	78	79	Avg:	78.6
Sat 4	T-18	91	91	91	91	91	91	91	91	91	92	Avg:	91.1

Legend // Comments:

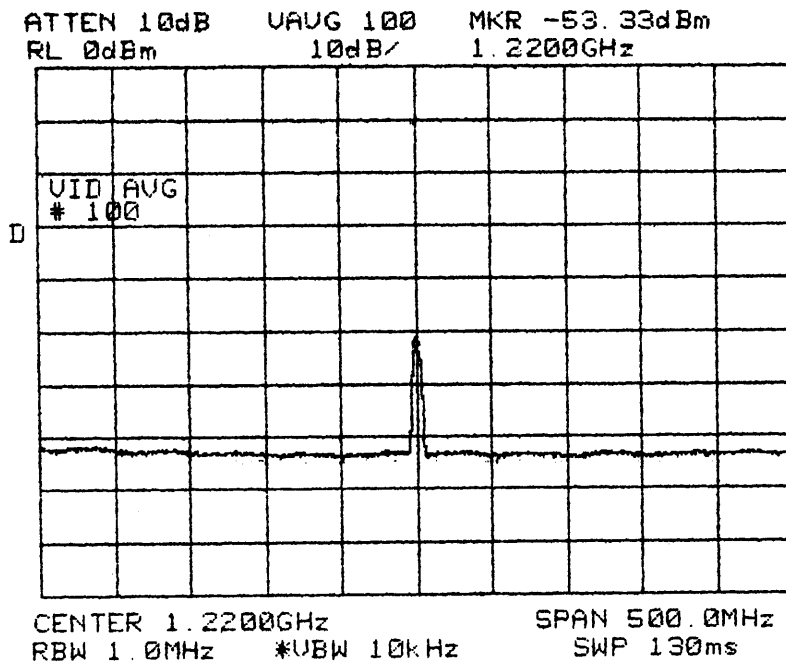
NPTx – Northpoint Transmitter.

The building is partially blocking signal from ES(119).

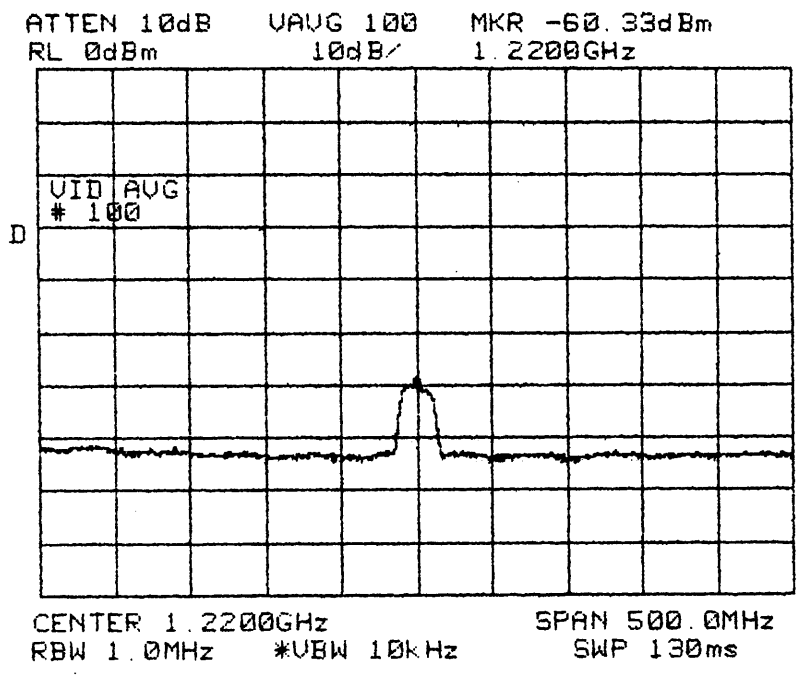
8/10/99

Adura

5A-1

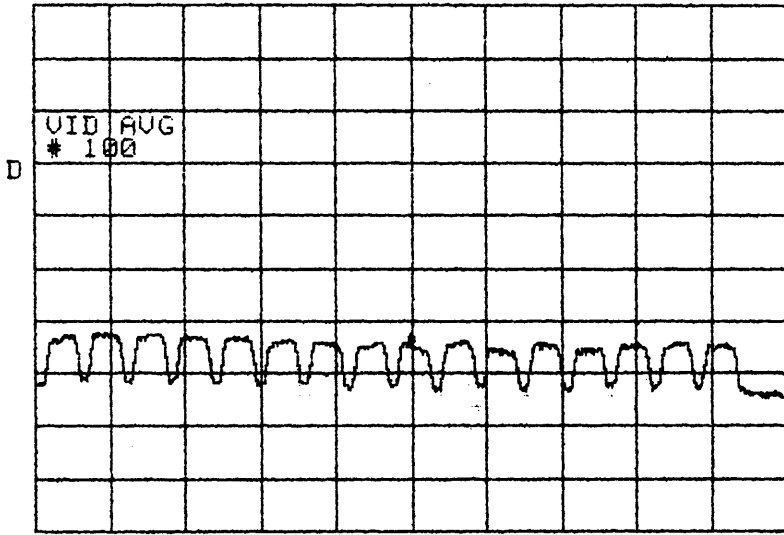


8/10/99  
5A-1 Adwa  
(at 30mb/s)



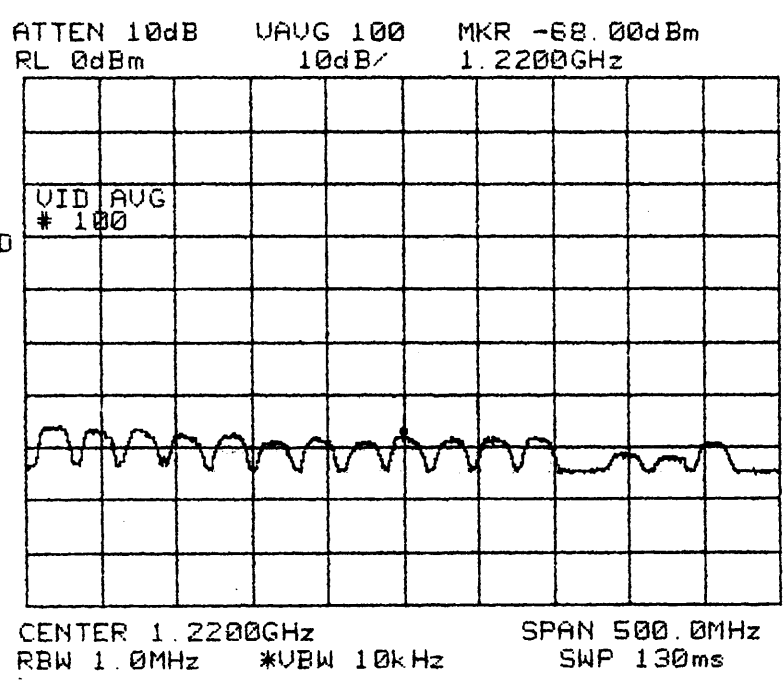
8/10/99  
Adura  
5A-26

ATTEN 10dB    UAUG 100    MKR -64.50dBm  
RL 0dBm        10dB/        1.2200GHz

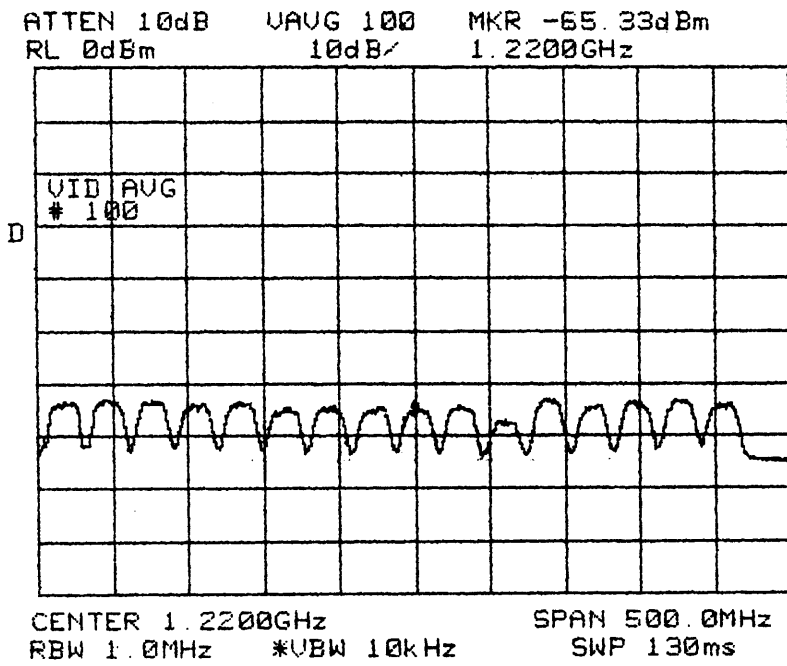


CENTER 1.2200GHz                    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms

8/10/99  
Arlwa  
SA-JC



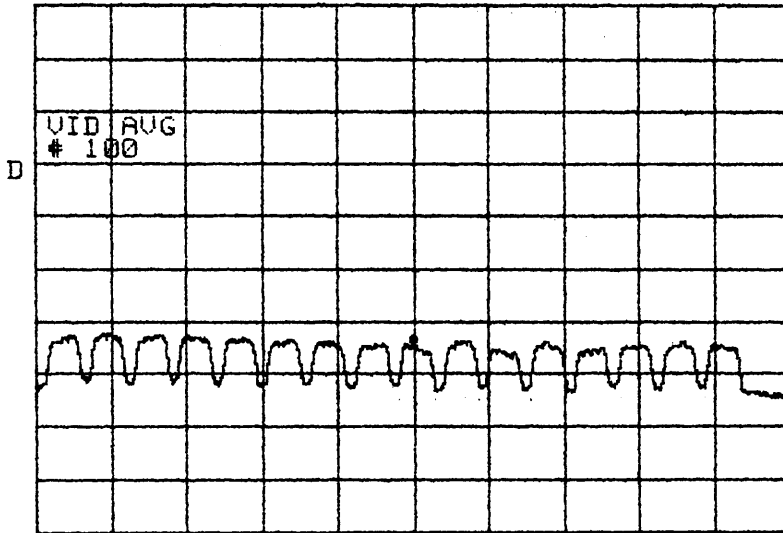
8/10/99  
Adura  
5A-2d





8/18/99 Adura  
5A-36

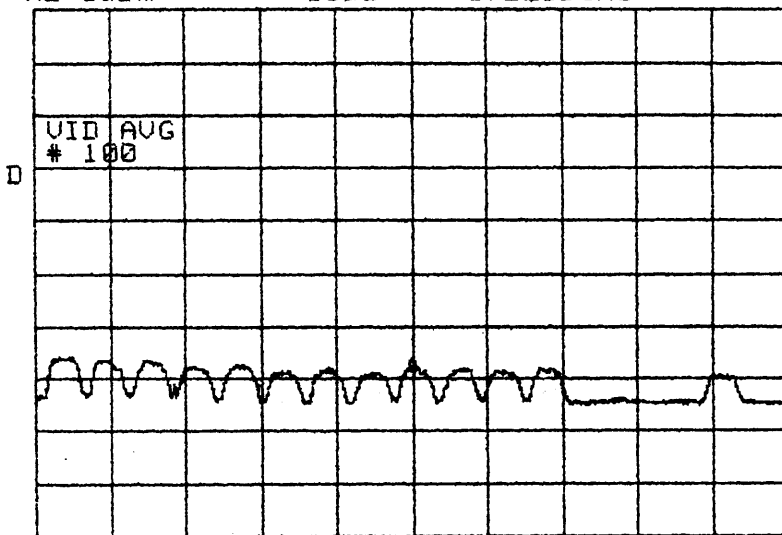
ATTEN 10dB    UAUG 100    MKR -64.67dBm  
RL 0dBm        10dB/        1.2200GHz



CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*VBW 10kHz        SWP 130ms

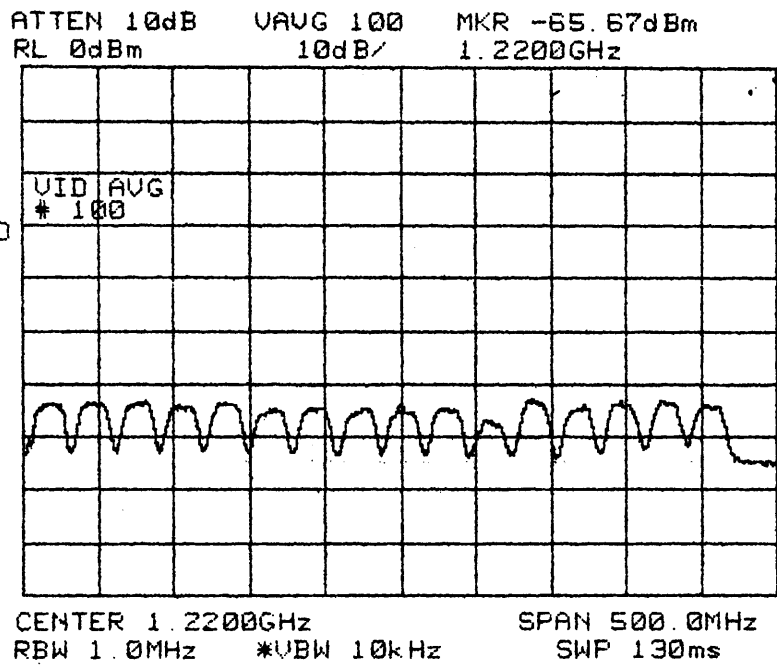
8/10/99  
Adura  
5A-3C

ATTEN 10dB    UAUG 100    MKR -68.17dBm  
RL 0dBm        10dB/        1.2200GHz



CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*VBW 10kHz        SWP 130ms

8/10/99  
Adura  
5A-3d



# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Location Log

Rx Site No. 5A p1  
Set: 1

Site Name:

Date / Time:

08/10/99 20:03 EDT <sup>location ②</sup>

South Joyce & Army Navy Dr. #2

Operator:

AKIN

GPS Receiver Reading at Site:

Lat: N38°51.923'

Time Read 23:10:51 <sup>GMT</sup> EDT

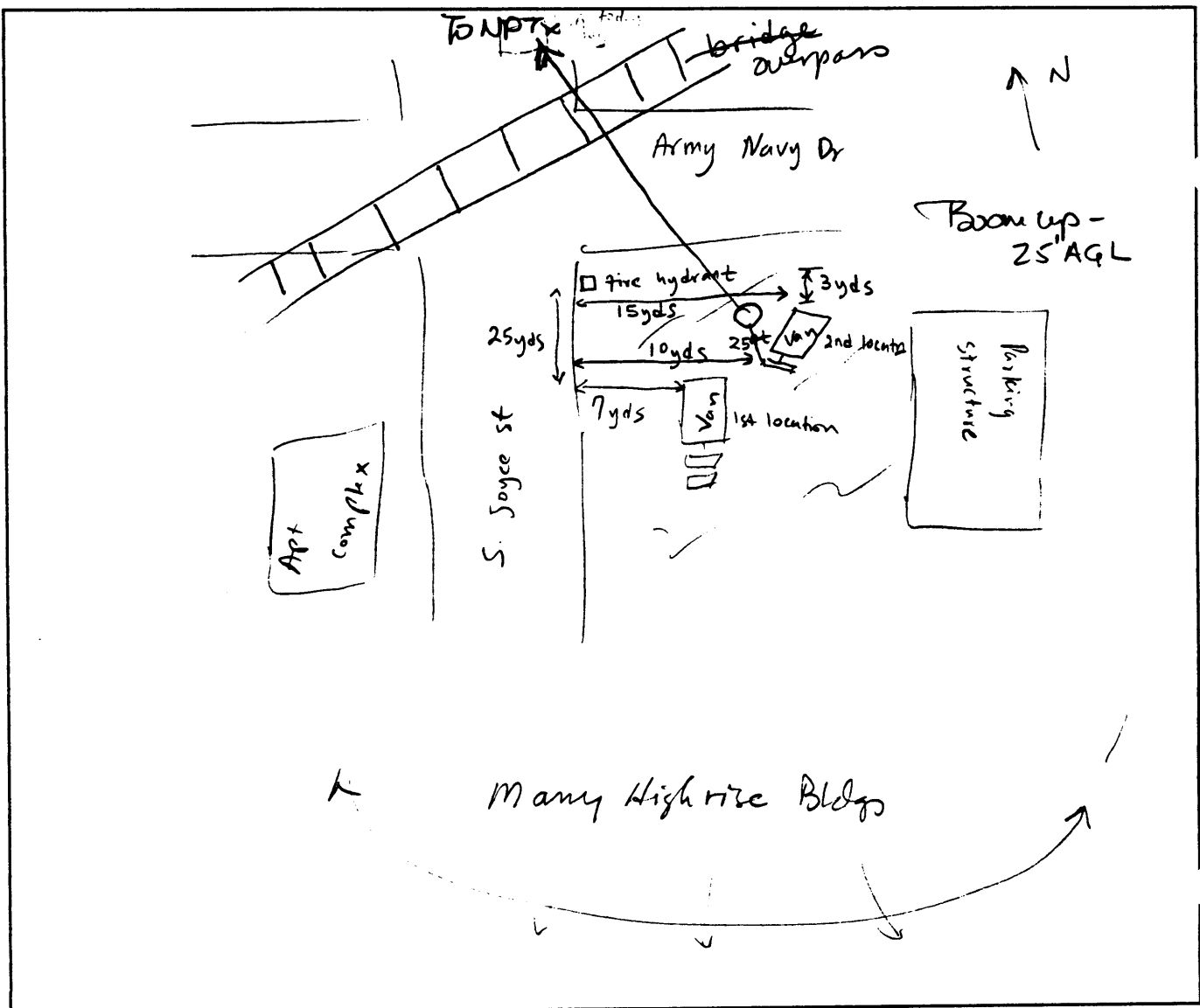
Lon: W077°03.773'

Elev: 129 FT

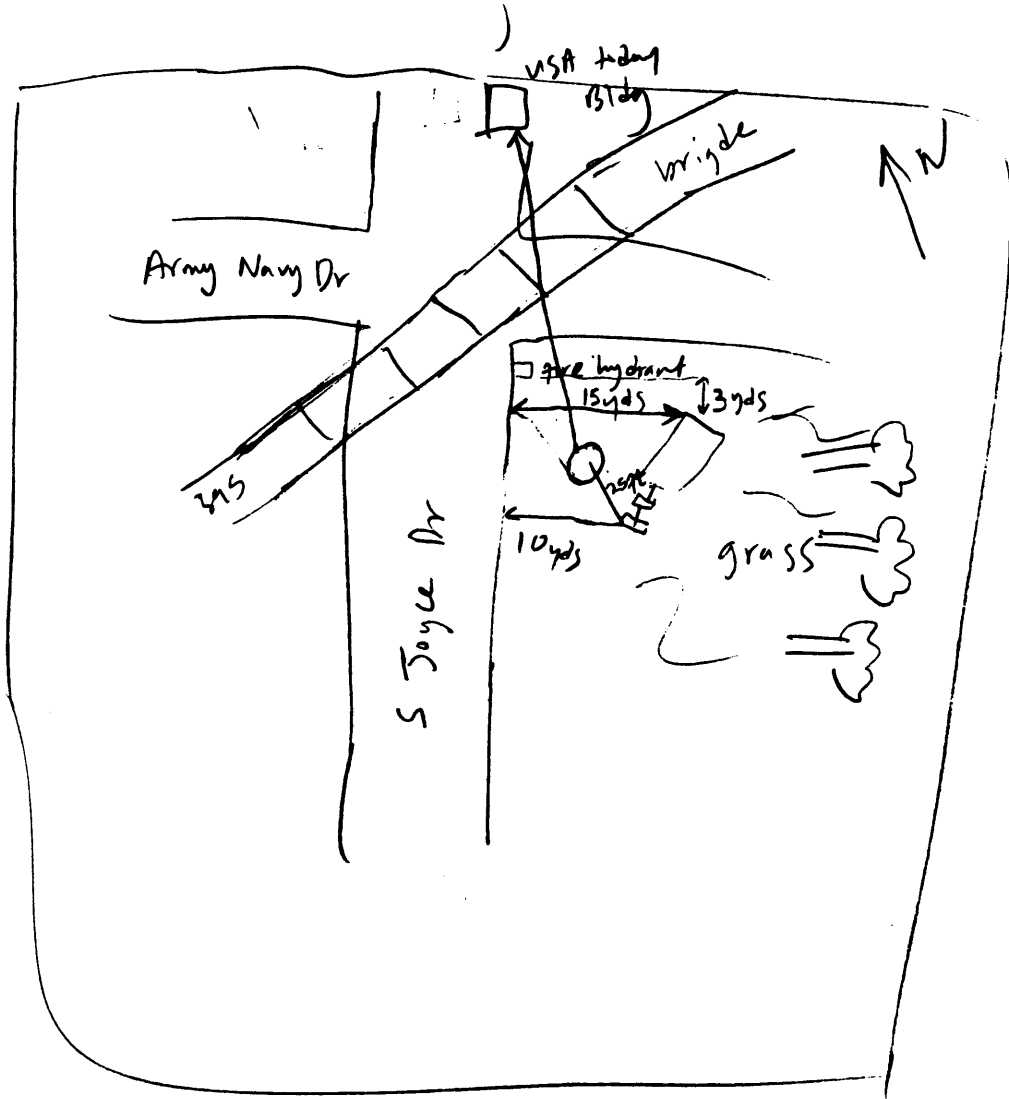
Weather: temp: low 70's  
cloudy sky, getting dark

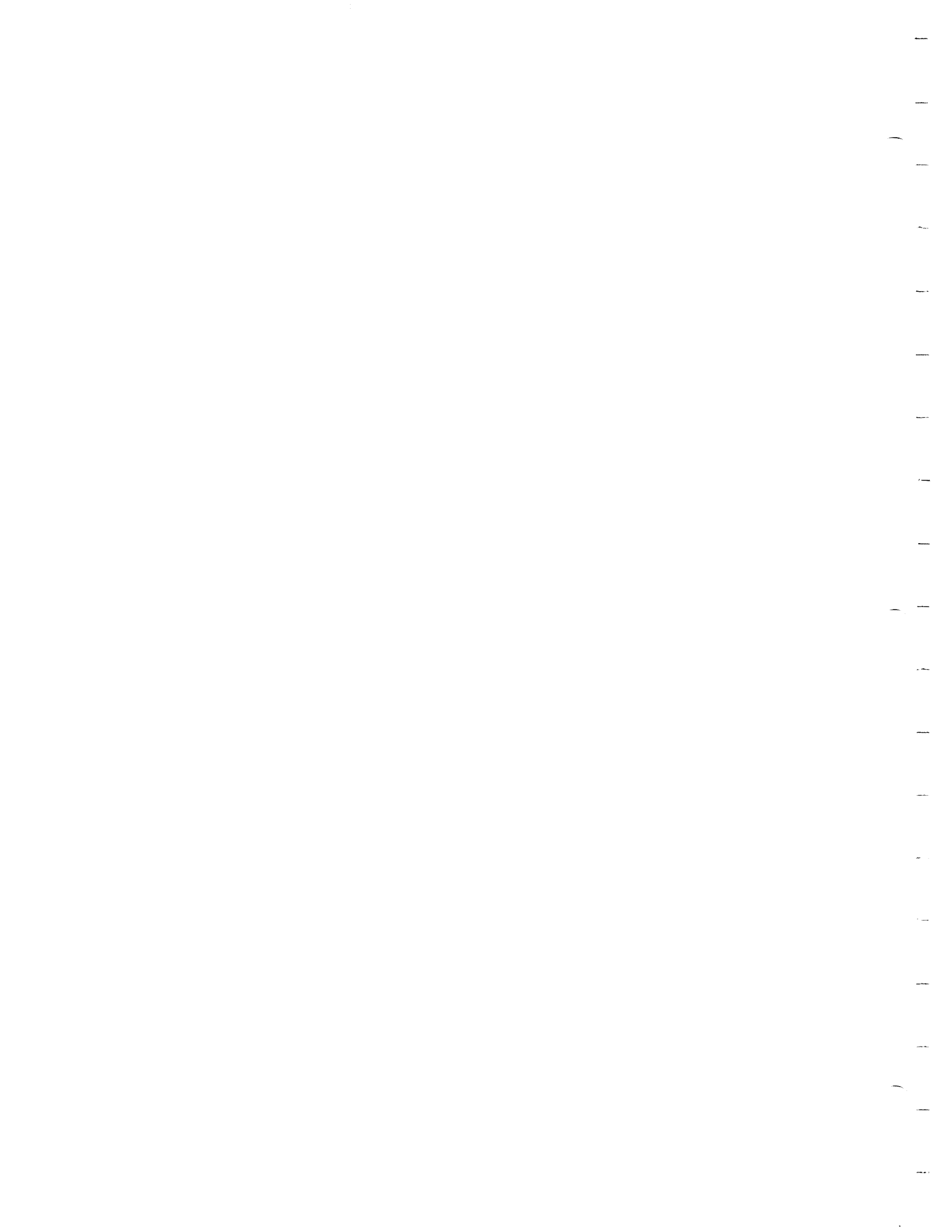
Map Sketch (show street reference and local benchmark features):

cannot see top of USA Total Bldg -



time 20.00  
temp: high 60's





## **COMMENTS FROM SITE 2A**

**Site 2A Arlington Ridge Road & Nash Street**

**Date:** August 5, 1999

**Weather Conditions:** Overcast/Mist to Clear/Hazy

**Comments:** Reception of signal on Echostar (61.5) is affected by building blockage.

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Data Log

Arlington Ridge

Rx Site No.

2A

pl

Set:

11

Re: Rx Condx Ref. No.

1

Date / Time:

8/5/99 19:00 EDT

Re: Tx Condx Ref. No.

1

Operator:

Aduwa

### Data Measurements:

NPTx Carrier Freq. (GHz) 12.47

Disk Filename X

#### (1) NP Signal – NPTx ON:

DBS 1	Ant:			
Power (Px) -66.67dB	TV Pix		Plot ID 2A-1	File Rec X

-63.83dB boom up 20' a/gl-ant 2A-1a

#### (2) DBS Signals – NPTx OFF: (Do also ssp data on page 2).

Sat 1	Ant:			
Power (Px)	TV Pix		Plot ID	File Rec X

Sat 2	DTV (101)	Ant: NP3		
Power (Px) -65.00dB	TV Pix		Plot ID 2A-2b	File Rec X

Sat 3	ES (61.5)	Ant: NP2	Blocked by building	
Power (Px)	TV Pix		Plot ID 2A-2c	File Rec X

Sat 4	ES (119)	Ant: NP4		
Power (Px) -65.50dB	TV Pix		Plot ID 2A-2d	File Rec X

#### (3) DBS Signals – NPTx ON: (Do also ssp data on page 2).

Sat 1	Ant:			
Power (Px)	TV Pix		Plot ID	File Rec X

Sat 2	DTV (101)	Ant: NP3		
Power (Px) -64.50dB	TV Pix o/c		Plot ID 2A-3b	File Rec X

Sat 3	ES (61.5)	Ant:	Blocked by building	
Power (Px)	TV Pix		Plot ID 2A-3c	File Rec X

Sat 4	ES (119)	Ant: NP4		
Power (Px) -66.33dB	TV Pix o/c		Plot ID 2A-3d	File Rec X

#### (4) NPTx OFF.



**Northpoint Technology – DBS Compatibililty Test – Washington DC Area**

08/05/9

**Rx Site Data Log**

Rx Site No. 2A  
 Set: 1

p2

**Signal Strength Pointer (ssp) Data –**

(2a) NPTx OFF:

Sat 1	T-											Avg:	
Sat 2	T- <del>8</del>	75	78	79	79	79	77	77	76	79	<del>78</del>	Avg:	77.7
Sat 3	T-											Avg:	
Sat 4	T- <del>18</del>	87	87	87	87	87	87	87	87	87	87	Avg:	87.0

(3a) NPTx ON:

Sat 1	T-											Avg:	
Sat 2	T- <del>18</del>	81	80	81	75	80	80	79	78	81	79	Avg:	79.5
Sat 3	T-											Avg:	
Sat 4	T- <del>18</del>	86	87	85	86	87	87	86	87	86	86	Avg:	86.3

**Legend // Comments:**

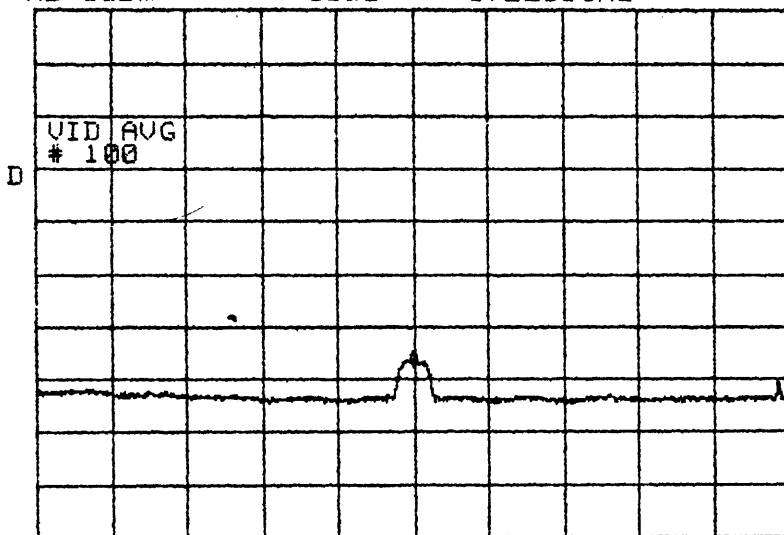
**NPTx – Northpoint Transmitter.**

hpwra

8/5/99

2A-1

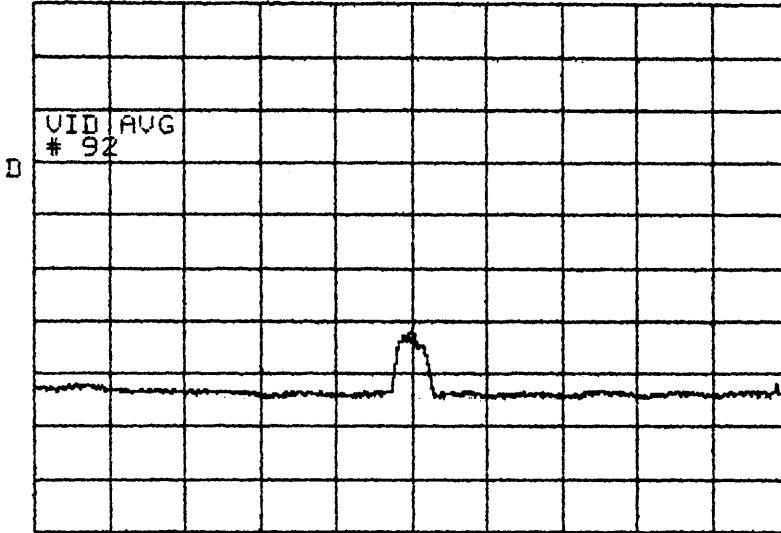
ATTEN 10dB    VAUG 100    MKR -66.67dBm  
RL 0dBm       10dB/       1.2200GHz



CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz       \*VBW 10kHz    SWP 130ms

Aduwa  
08/05/99

ATTEN 10dB    UAUG 92    MKR -63.83dBm  
RL 0dBm      10dB/    1.2200GHz



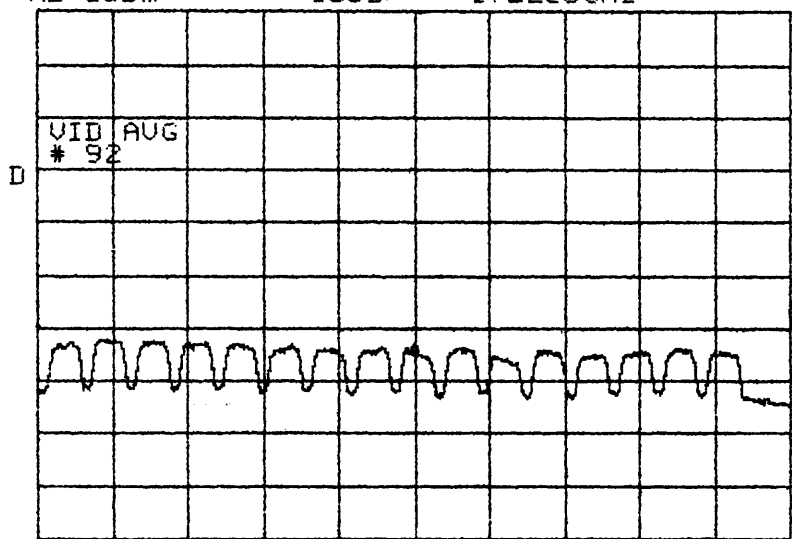
CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz    \*VBW 10kHz    SWP 130ms

24-1a

Adura  
8/5/99

2A-210

ATTEN 10dB    UAUG 92    MKR -65.00dBm  
RL 0dBm      10dB/    1.2200GHz

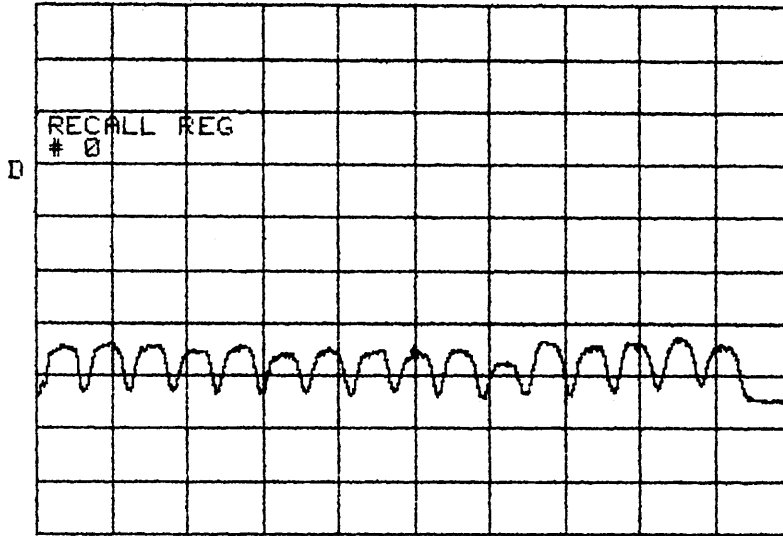


CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz    \*VBW 10kHz    SWP 130ms

8/5/99 Adura

2A-3d

ATTEN 10dB    UAUG 100    MKR -66.33dBm  
RL 0dBm        10dB/        1.2200GHz



CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms

# Northpoint Technology - DBS Compatibility Test - Washington DC Area

## Rx Site Location Log

Rx Site No. 2A pl  
Set: 1/1

Site Name:

Date / Time:

8/5/99 ~ 5:30 EDT

Arlington Ridge & Nash

Operator:

Don / Stacy

GPS Receiver Reading at Site:

Lat: N 38° 51.856'

Time Read 0042

~~EDT~~  
GMT

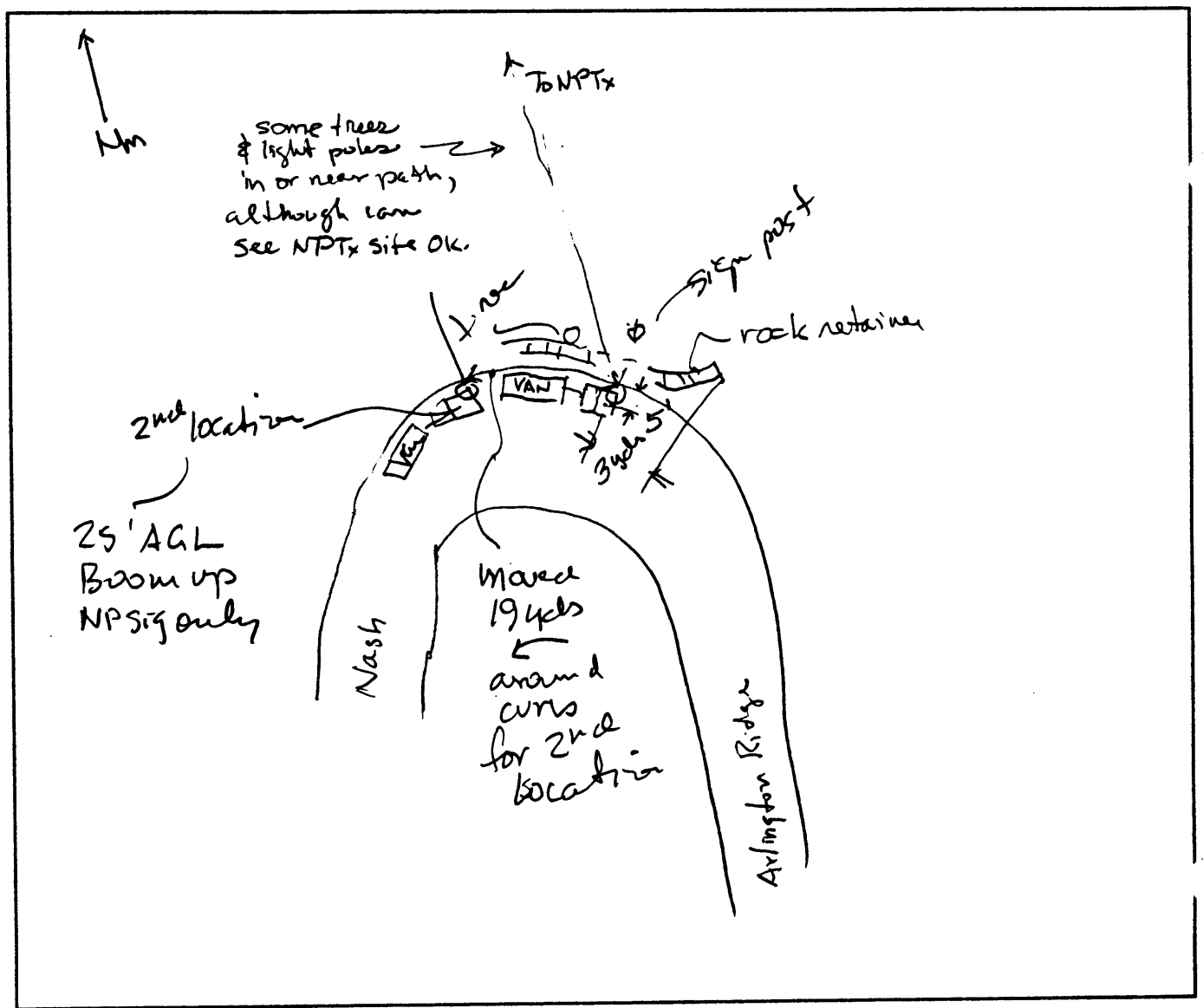
Lon: W 077° 03.950'

Elev: 365' not reliable -

Weather: went from overcast/mist to clear/hazy

Map Sketch (show street reference and local benchmark features):

Boom Down 5' AGL

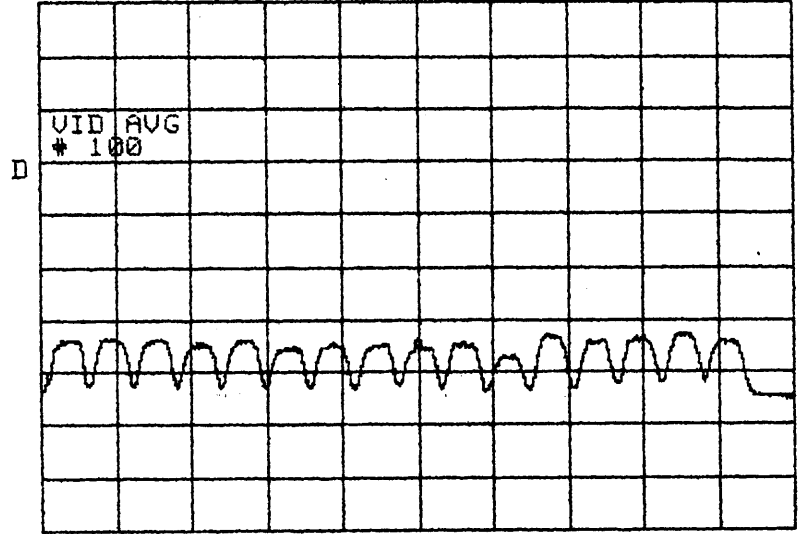


Holmes

8/5/99

25 Aug 2001

ATTEN 10dB    VAUG 100    MKR -65.50dBm  
RL 0dBm        10dB/        1.2200GHz

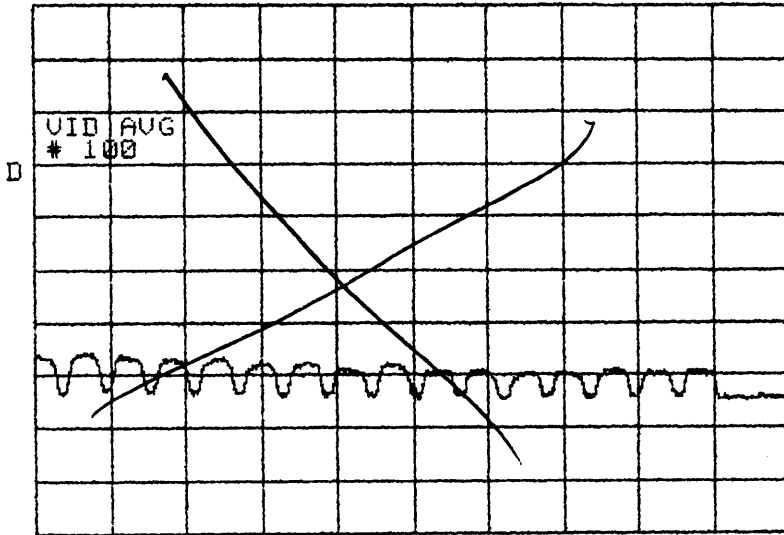


VID AVG  
# 100

D

CENTER 1.2200GHz            SPAN 500.0MHz  
RBW 1.0MHz        \*VBW 10kHz            SWP 130ms

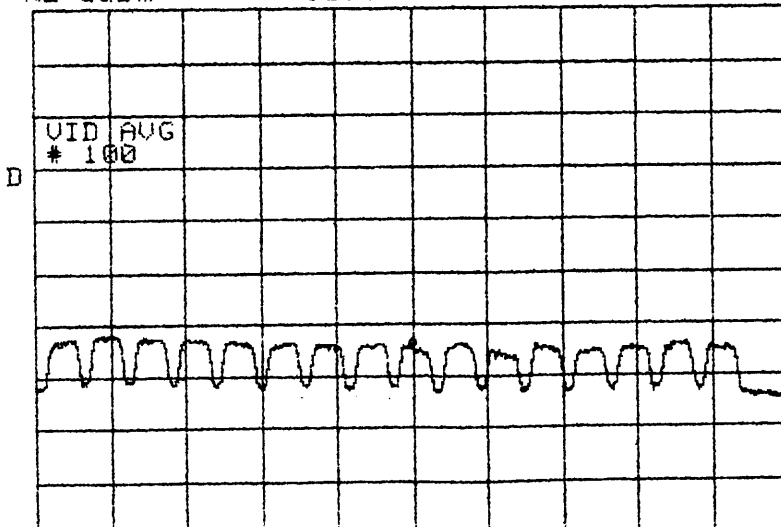
ATTEN 10dB    UAUG 100    MKR -74.00dBm  
RL 0dBm        10dB/        1.2200GHz



CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*VBW 10kHz        SWP 130ms

*Adwa*  
*08/05/19*  
*2A-38*

ATTEN 10dB    UAUG 100    MKR -64.50dBm  
RL 0dBm        10dB/        1.2200GHz





## **COMMENTS FROM SITE 4A**

**Site 4A S. Joyce St. & Army-Navy Drive (Arlington, VA)**

**Date:** August 10, 1999

**Weather Conditions:** Cloudy Sky; Temp Mid 70°s

**Comments:** Scanned for reflections – none found.

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Data Log

*S. Joyce of Army-Navy*

Rx Site No.

**4A**

p1

Set:

*114*  
*annual*

*Departure*  
*19.01*

Re: Rx Condx Ref. No.

**1**

Date / Time:

**8/10/99 18:15 EDT**

Re: Tx Condx Ref. No.

**1**

Operator:

**Adura**

### Data Measurements:

NPTx Carrier Freq. (GHz) **12.47**

Disk Filename **X**

(1) NP Signal – NPTx ON: *No signal detected*

		Ant:				
Power (Px)		TV Pix		Plot ID		File Rec

(2) DBS Signals – NPTx OFF: (Do also ssp data on page 2).

Sat 1		Ant:				
Power (Px)		TV Pix		Plot ID		File Rec <b>X</b>

Sat 2	<b>DTV</b>	Ant:				
Power (Px)	<b>-65.83dB</b>	TV Pix		Plot ID	<b>4A-2b</b>	File Rec <b>X</b>

Sat 3	<b>ES (61.5)</b>	Ant:				
Power (Px)	<b>-64.83dB</b>	TV Pix		Plot ID	<b>4A-2c</b>	File Rec <b>X</b>

Sat 4	<b>ES (119)</b>	Ant:				
Power (Px)	<b>-65.67dB</b>	TV Pix		Plot ID	<b>4A-2d</b>	File Rec <b>X</b>

(3) DBS Signals – NPTx ON: (Do also ssp data on page 2).

Sat 1		Ant:				
Power (Px)		TV Pix		Plot ID		File Rec

Sat 2	<b>DTV</b>	Ant:				
Power (Px)	<b>-66.33dB</b>	TV Pix		Plot ID	<b>4A-3b</b>	File Rec <b>X</b>

Sat 3	<b>ES (61.5)</b>	Ant:				
Power (Px)	<b>-65.50dB</b>	TV Pix	<b>OK</b>	Plot ID	<b>4A-3c</b>	File Rec <b>X</b>

Sat 4	<b>ES (119)</b>	Ant:				
Power (Px)	<b>-65.83dB</b>	TV Pix	<b>OK</b>	Plot ID	<b>4A-3d</b>	File Rec <b>X</b>

(4) NPTx OFF.

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Data Log

Rx Site No.

4A

p2

Set:

1/11

### Signal Strength Pointer (ssp) Data --

(2a) NPTx OFF:

Sat 1	T-											Avg:	
Sat 2	T-18	74	76	74	75	76	75	74	79	76	75	Avg:	75.4
Sat 3	T-18	92	93	92	93	92	93	93	92	92	93	Avg:	92.5
Sat 4	T-18	89	89	89	89	89	89	89	89	89	89	Avg:	89.0

(3a) NPTx ON:

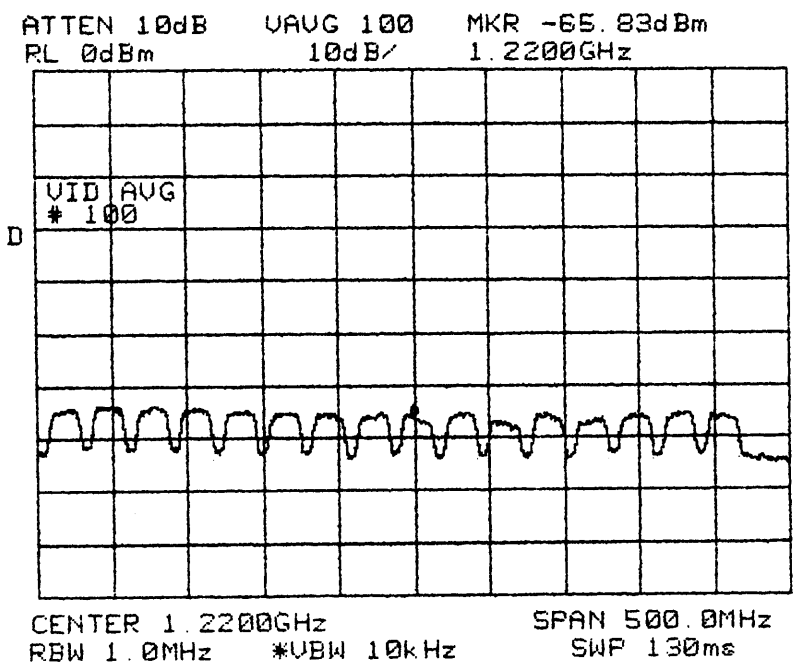
Sat 1	T-											Avg:	
Sat 2	T-18	75	79	76	79	76	74	73	75	77	75	Avg:	75.9
Sat 3	T-18	93	93	93	92	93	93	93	92	93	93	Avg:	92.8
Sat 4	T-18	89	89	89	89	89	89	89	89	89	89	Avg:	89.0

Legend // Comments:

NPTx – Northpoint Transmitter.

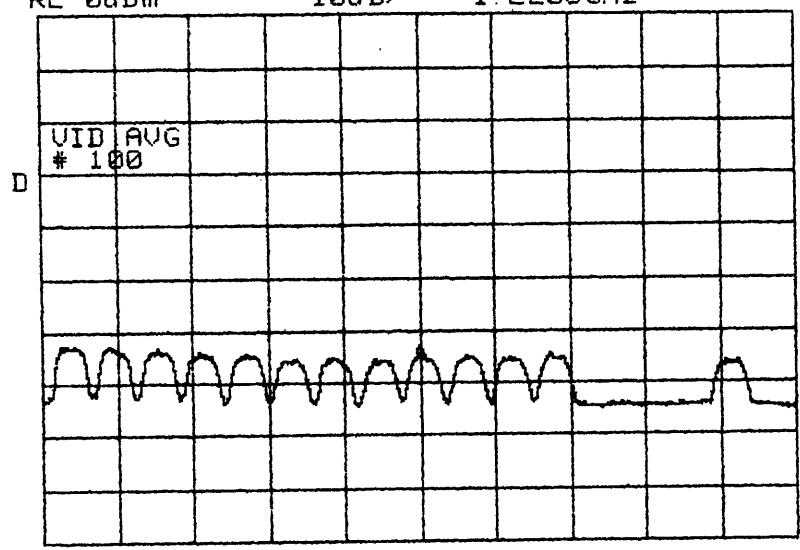
*Scanned for reflections – none found*

Adur  
8/10/99  
4A-2b



8/10/99  
Adura  
4A-2C

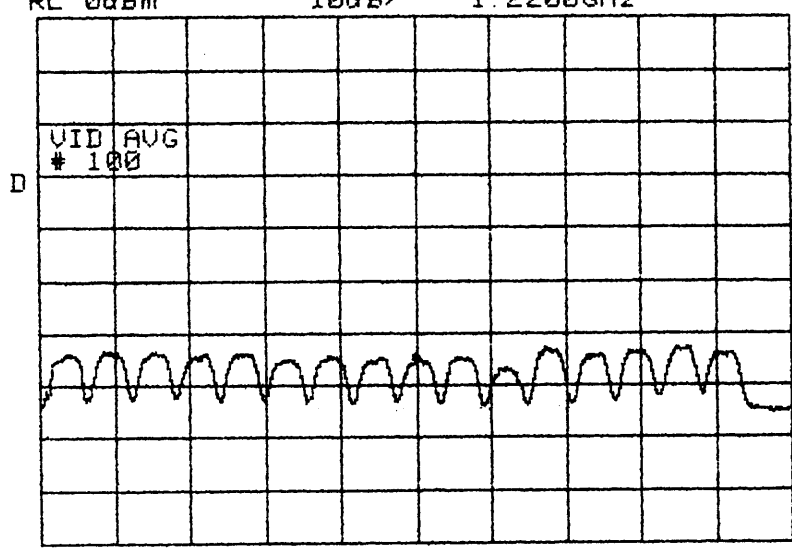
ATTEN 10dB    VAUG 100    MKR -64.83dBm  
RL 0dBm        10dB/        1.2200GHz



CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms

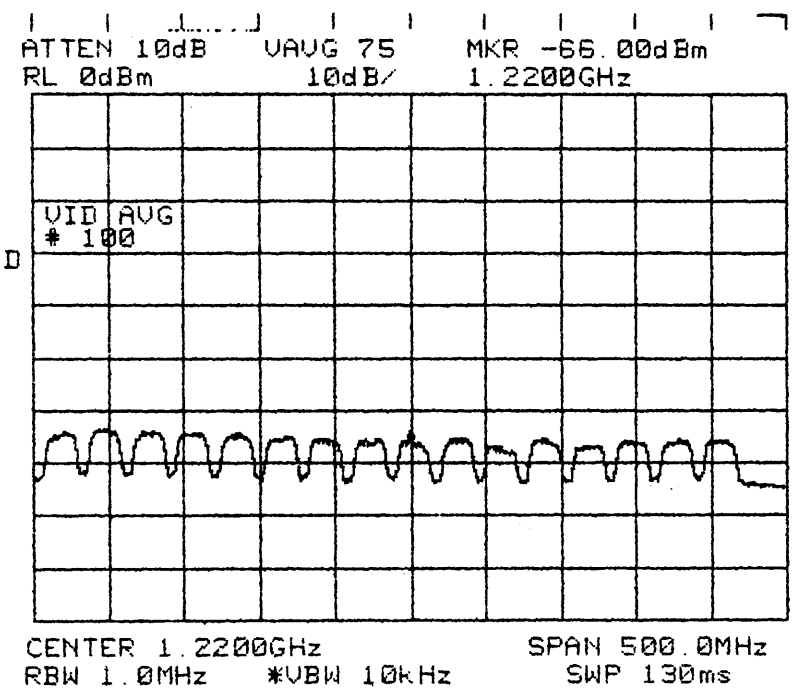
8/10/99  
Adura  
4A-20

ATTEN 10dB    UAUG 100    MKR -65.67dBm  
RL 0dBm        10dB/        1.2200GHz



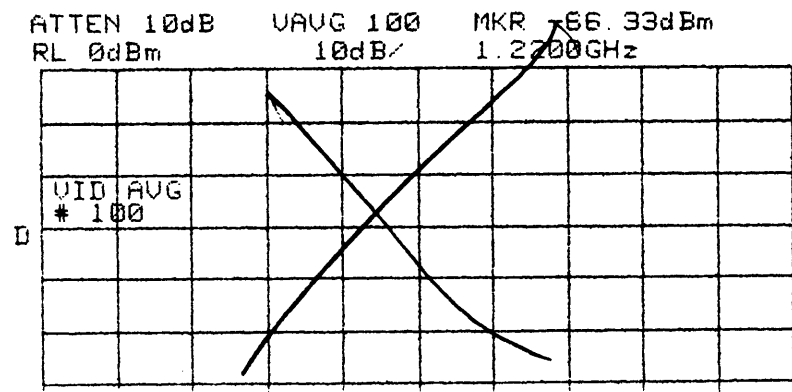
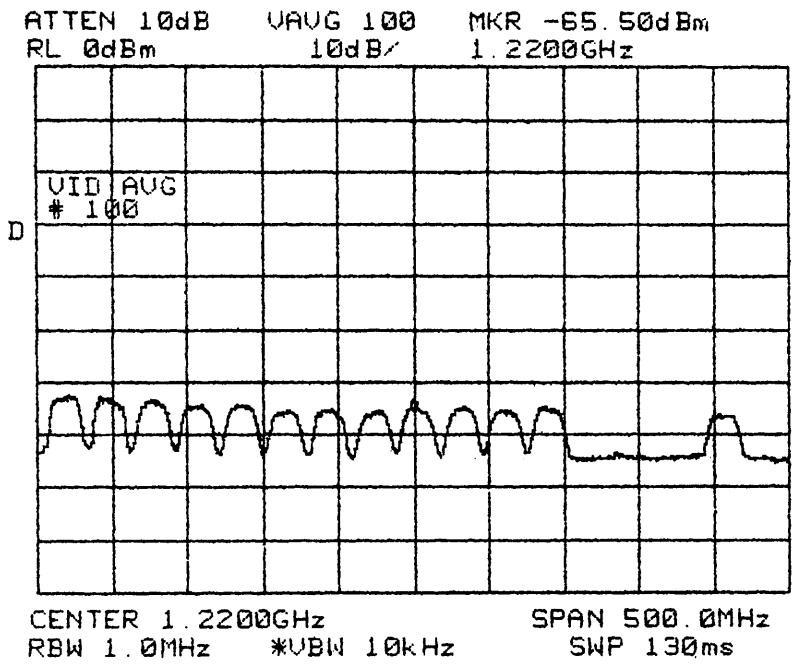
CENTER 1.2200GHz                    SPAN 500.0MHz  
RBW 1.0MHz        \*VBW 10kHz        SWP 130ms

8/10/99  
4A-36



Acura  
8/10/99

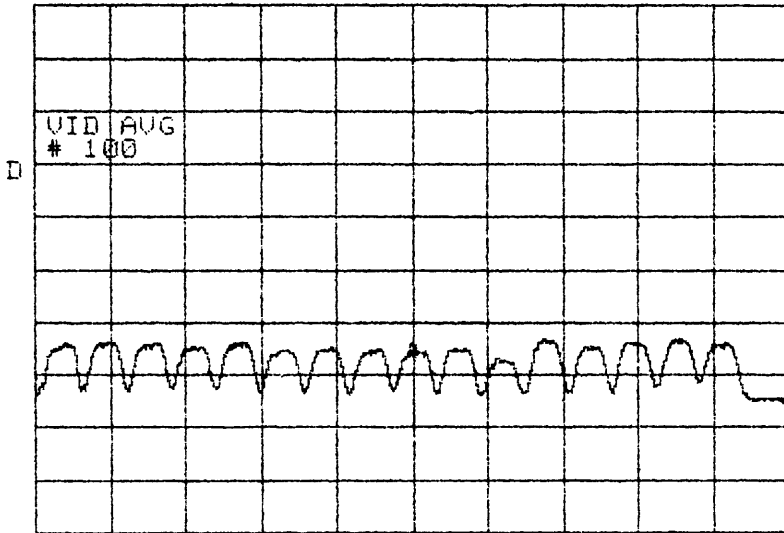
4A-3C





4A-3 d  
8/10/99  
Adura.

ATTEN 10dB    VAVG 100    MKR -65.83dBm  
RL 0dBm       10dB/    1.2200GHz



CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz       \*VBW 10kHz    SWP 130ms

# Northpoint Technology - DBS Compatibility Test - Washington DC Area

## Rx Site Location Log

Rx Site No. 4A  
Set:   /  

p1

Site Name:

Date / Time:

08 / 10 / 99 18:47 EDT

S Joyce & Army Navy Dr.

Operator:

Akin

GPS Receiver Reading at Site:

Lat: N 38° 51.881'

Time Read 22:38:59 <sup>GMT</sup> - EDT

Lon: W 077° 03.807'

Elev: 93 Ft

Weather: temp: Mid 70's  
cloudy sky;

Map Sketch (show street reference and local benchmark features):

