

## **COMMENTS FROM SITE 12A**

Site 12A Normandy House Rooftop

Date: August 13, 1999

Weather Conditions: Mostly cloudy/hazy; Temp 90°

Comments: Transmitter not visible.

# Northpoint Technology - DBS Compatibility Test - Washington DC Area

## Rx Site Data Log

Normandy House  
Roof Top

Rx Site No.

12A

p1

Set:

111

Re: Rx Condx Ref. No.

1x

Date / Time:

8/13/99 13:42 EDT

Re: Tx Condx Ref. No.

1x

Operator:

Daryl / Adurg

### Data Measurements:

NPTx Carrier Freq. (GHz) 12.47

Disk Filename X

(1) NP Signal - NPTx ON:

North point  
NO signal received

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

(2) DBS Signals - NPTx OFF:

(Do also ssp data on page 2).

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

Sat 2	DTV	Ant: NPI	Plot ID	File Rec
Power (Px)	-66.83dB	TV Pix	12A-2b	X

Sat 3	ES (6.5)	Ant: NPI	Plot ID	File Rec
Power (Px)	-65.67dB	TV Pix	12A-2c	X

Sat 4	ES (119)	Ant: NPI	Plot ID	File Rec
Power (Px)	-66.67dB	TV Pix	12A-2d	X

(3) DBS Signals - NPTx ON:

(Do also ssp data on page 2).

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

Sat 2	DTV	Ant: NPI	Plot ID	File Rec
Power (Px)	-65.33	TV Pix	12A-3b	X

Sat 3	ES (6.5)	Ant: NPI	Plot ID	File Rec
Power (Px)	-65.33dB	TV Pix	12A-3c	X

Sat 4	ES (119)	Ant: NPI	Plot ID	File Rec
Power (Px)	-66.33dB	TV Pix	12A-3d	X

(4) NPTx OFF.

# Northpoint Technology - DBS Compatibility Test - Washington DC Area

## Rx Site Location Log

Rx Site No. 12 A  
Set: 1/1

p1

Site Name:

Date / Time:

8/13/99 11:20 EDT

Normandy House Roof

Operator:

Jm

GPS Receiver Reading at Site:

Lat: N 38 53.751

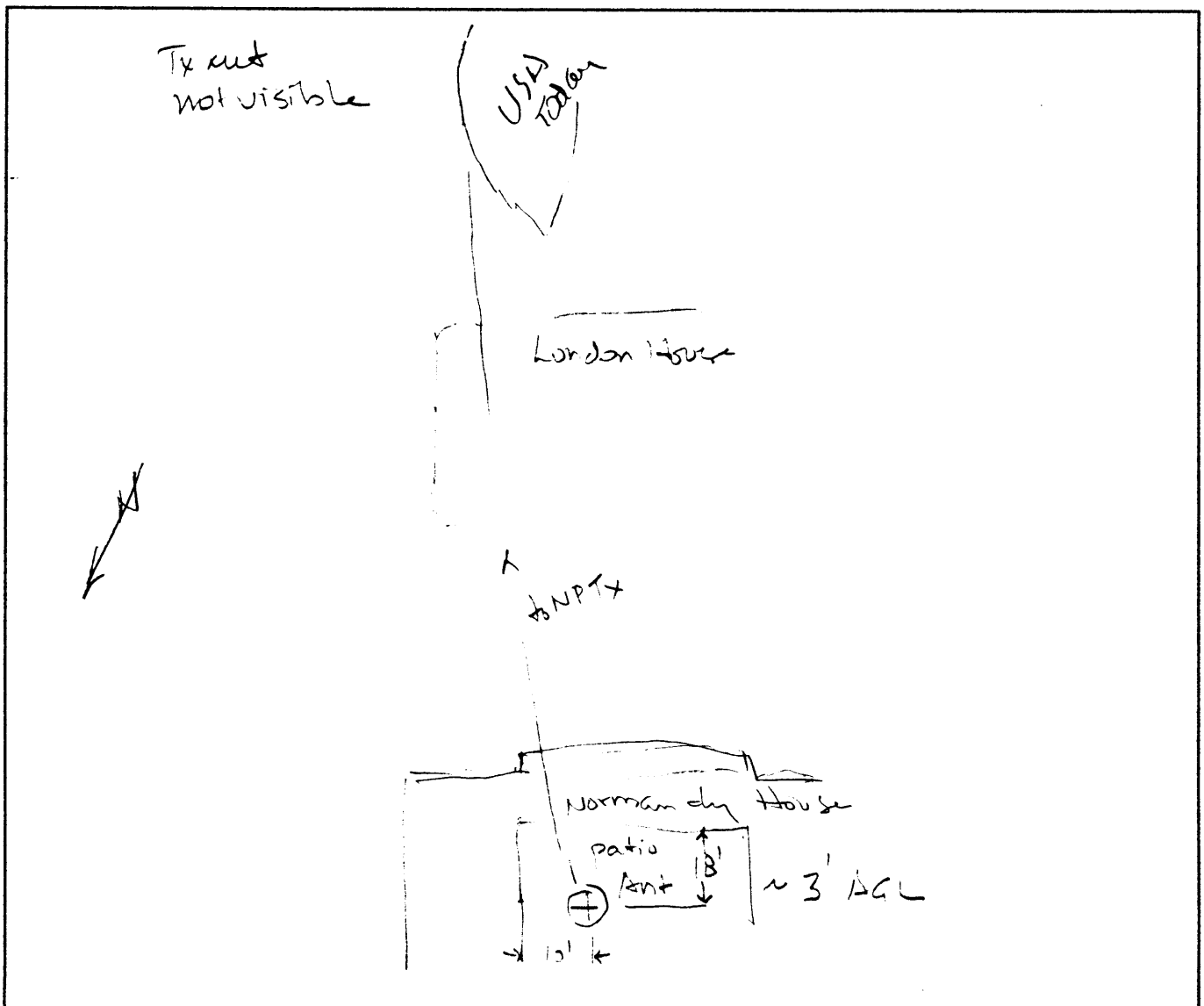
Time Read 1821 ~~EDT~~ GMT

Lon: W 077 04.109

Elev: 333'

Weather: Mostly Cloudy  
Hazy - ~90°F

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



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

*Normandy House*

**Rx Site Data Log**

Rx Site No. 12A  
 Set: 111

p2

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

(2a) NPTx OFF:

Sat 1	T-										Avg:		
Sat 2	T-18	85	86	83	84	85	83	82	83	84	86	Avg:	84.1
Sat 3	T-18	96	95	96	96	97	96	95	96	96	95	Avg:	95.8
Sat 4	T-18	92	91	91	90	91	91	90	91	92	92	Avg:	91.1

(3a) NPTx ON:

Sat 1	T-										Avg:		
Sat 2	T-18	84	84	80	85	85	81	84	85	80	81	Avg:	82.9
Sat 3	T-18	96	95	96	97	97	96	97	95	96	97	Avg:	96.2
Sat 4	T-18	91	92	91	93	91	90	92	91	91	92	Avg:	91.4

**Legend // Comments:**

NPTx – Northpoint Transmitter.

*Cloudy weather Conditions*

Lon 38 53.686  
 Lat 77 04.180

8.12.99

Northpoint Technology - DBS Compatibility Test - Washington DC Area

KBR  
ST

Rx Site Data Log

Alternate Pointer Date

Rx Site No. NORMANDY  
HOUSE  
Set:   1  

p2

Signal Strength Pointer (ssp) Data --

(2a) NPTx OFF:

15.57 TIME

Sat 1	T-	75	76	74	73	74	73	74	77	76	77	Avg:	74.9
Sat 2	T-											Avg:	
Sat 3	T-											Avg:	
Sat 4	T-											Avg:	

(3a) NPTx ON:

16.02 TIME

Sat 1	T-	73	74	76	77	73	75	76	74	73	74	Avg:	74.5
Sat 2	T-											Avg:	
Sat 3	T-											Avg:	
Sat 4	T-											Avg:	

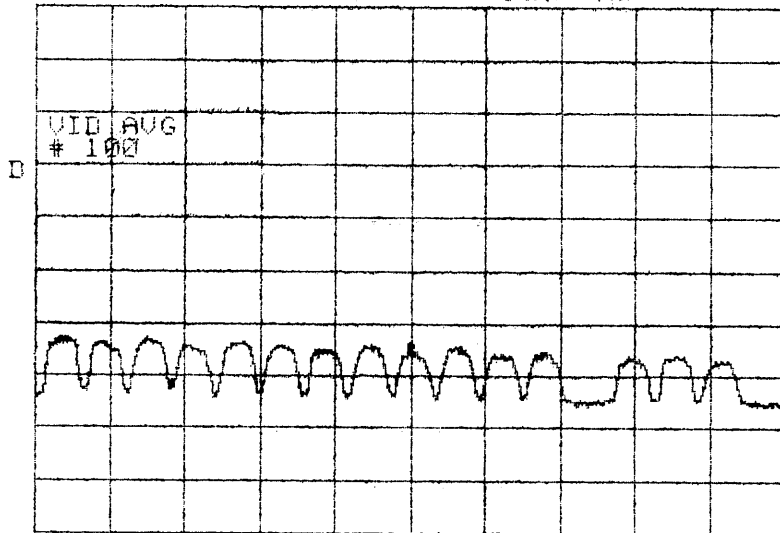
Legend // Comments:

NPTx - Northpoint Transmitter.

8/13/99 *Adler*

12A-3C

ATTEN 10dB    VAUG 100    MKR -65.33dBm  
RL 0dBm        10dB/        1.2200GHz

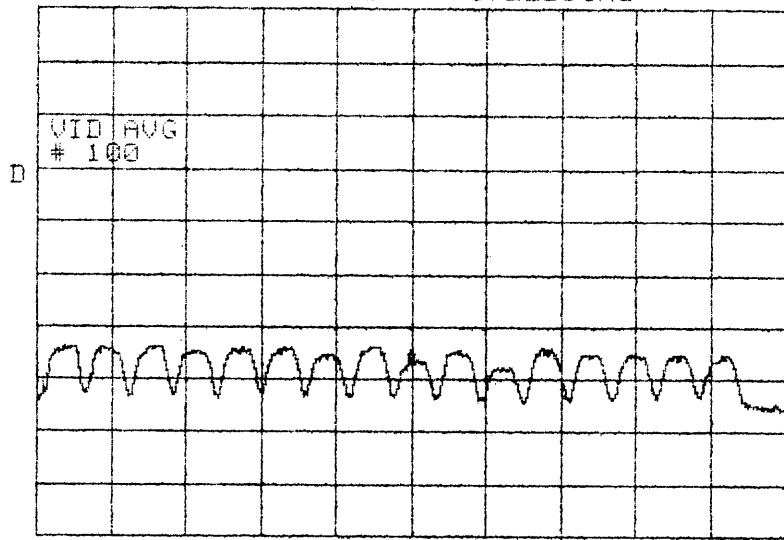


CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms

8/13/99  
Adura

124-39

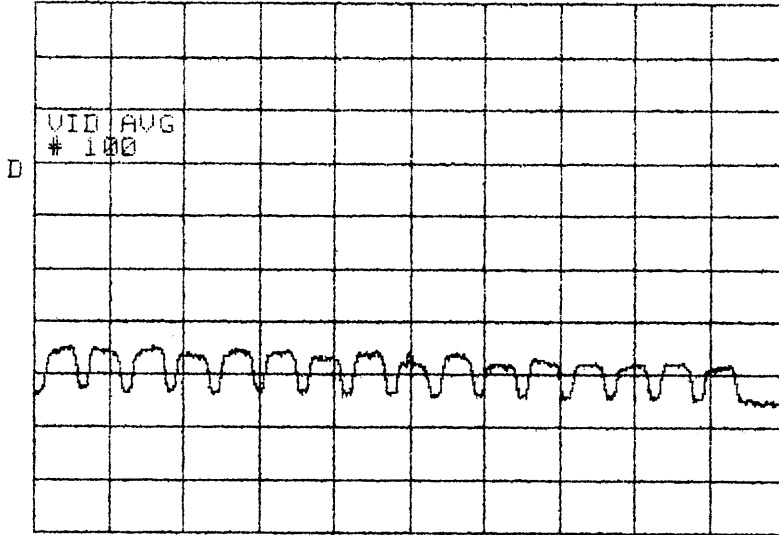
ATTEN 10dB    VAUG 100    MKR -66.33dBm  
RL 0dBm        10dB/        1.2200GHz



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

8/13/99  
Adwa  
12A...

ATTEN 10dB    UAUG 100    MKR -67.83dBm  
RL 0dBm        10dB/    1.2200GHz

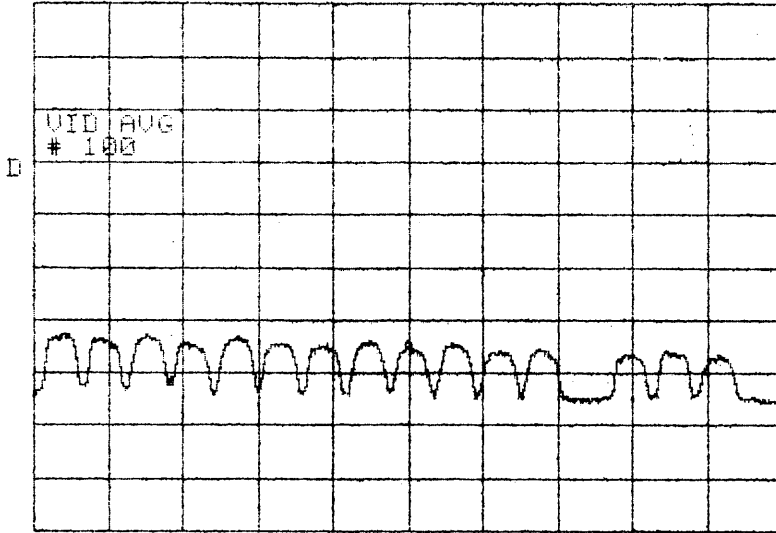


CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz    \*VBW 10kHz    SWP 130ms



8/13/99  
12A-2C Adura

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



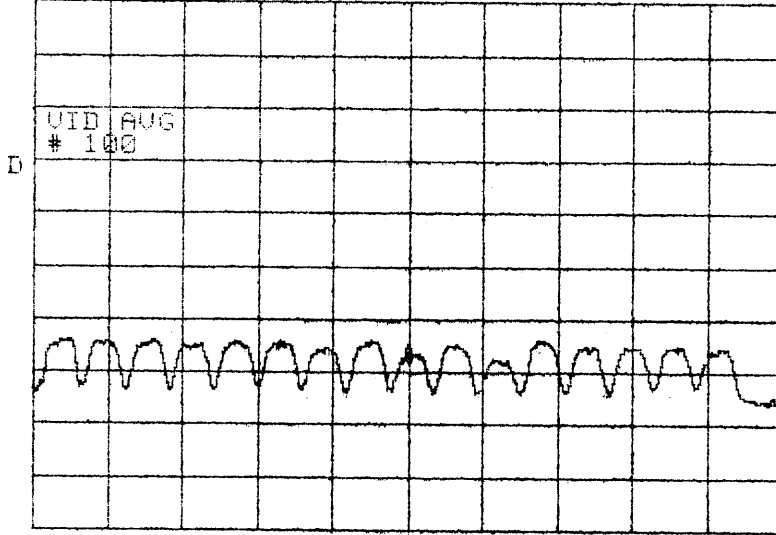
CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz    \*UBW 10kHz    SWP 130ms

8/13/99

Adwa

12-2d

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



VID AUG  
# 100

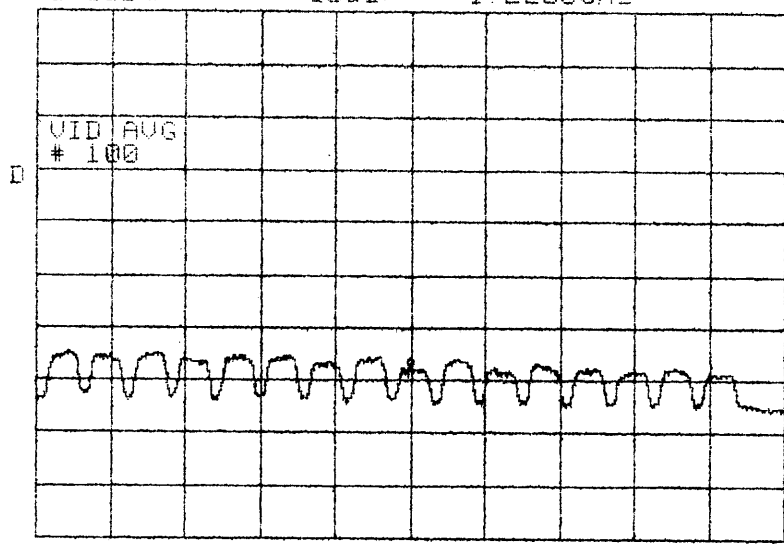
D

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

8/13/99  
Adura

12-36

ATTEN 10dB    VAVG 100    MKR -67.67dBm  
RL 0dBm      10dB/      1.2200GHz



CENTER 1.2200GHz      SPAN 500.0MHz  
RBW 1.0MHz      \*UBW 10kHz      SWP 100ms

**COMMENTS FROM SITE 10A**

**Site 10A Federal Construction Site**

**Date: August 16, 1999**

**Weather Conditions: Clear sky/haze; Temp 90°**

**Comments:**

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Data Log

Rx Site No. 10AR p1  
 Set: 2 /

Re: Rx Condx Ref. No. 1 Date / Time: 8/16/99 17:05 EDT  
 Re: Tx Condx Ref. No. 1 Operator: Adwng

### Data Measurements:

NPTx Carrier Freq. (GHz) 12.47 Disk Filename X

(1) NP Signal – NPTx ON:

	NP	Ant: DBS1		Plot ID	10AR-1	File Rec	X
	Power (Px)	-50.83dB	TV Pix				

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

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

Sat 2	DTV	Ant: NP3		Plot ID	10AR-2b	File Rec	X
	Power (Px)	-67.50dB	TV Pix				

Sat 3	ES (61.5)	Ant: NP2		Plot ID	10AR-2c	File Rec	X
	Power (Px)	-65.17dB	TV Pix				

Sat 4	ES (119)	Ant: NP4		Plot ID	10AR-2d	File Rec	X
	Power (Px)	-66.50dB	TV Pix				

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

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

Sat 2	DTV	Ant: NP3		Plot ID	10AR-3b	File Rec	X
	Power (Px)	-67.17dB	TV Pix				

Sat 3	ES (61.5)	Ant: NP2		Plot ID	10AR-3c	File Rec	X
	Power (Px)	-65.83dB	TV Pix				

Sat 4	ES (119)	Ant: NP4		Plot ID	10AR-3d	File Rec	X
	Power (Px)	-66.50dB	TV Pix				

(4) NPTx OFF.

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Data Log

Rx Site No. 10A02 p2  
 Set:   1  

### Signal Strength Pointer (ssp) Data –

(2a) NPTx OFF:

Sat 1	T-										Avg:		
Sat 2	T-18	73	78	76	79	72	79	79	80	77	78	Avg:	77.1
Sat 3	T-18	97	97	97	96	97	97	97	97	97	97	Avg:	96.9
Sat 4	T-	89	90	89	90	90	89	90	88	89	89	Avg:	89.3

(3a) NPTx ON:

Sat 1	T-										Avg:		
Sat 2	T-18	81	77	78	78	78	74	75	74	82	81	Avg:	77.9
Sat 3	T-18	95	94	95	94	93	94	95	95	95	93	Avg:	94.3
Sat 4	T-18	88	89	89	89	89	88	89	90	89	87	Avg:	89.7

Legend // Comments:

NPTx – Northpoint Transmitter.

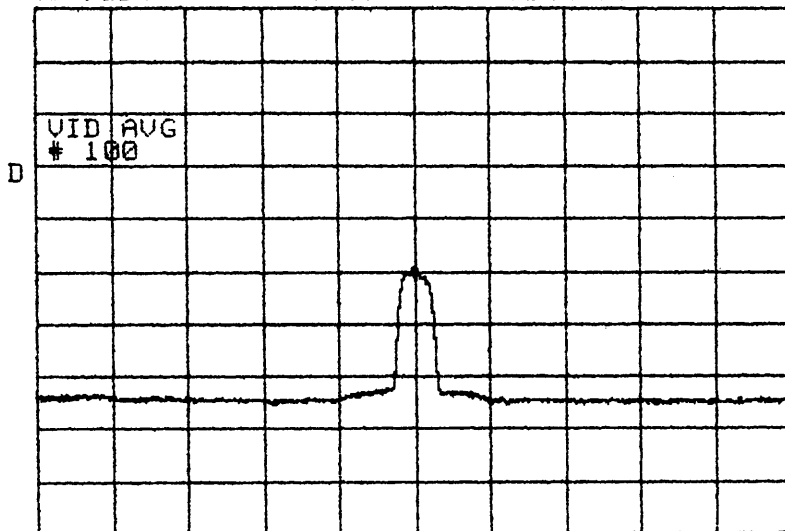
8/16/99

10AR-1

Aduro

NPTy

ATTEN 10dB    VAUG 100    MKR -50.03dBm  
RL 0dBm      10dB/      1.2200GHz



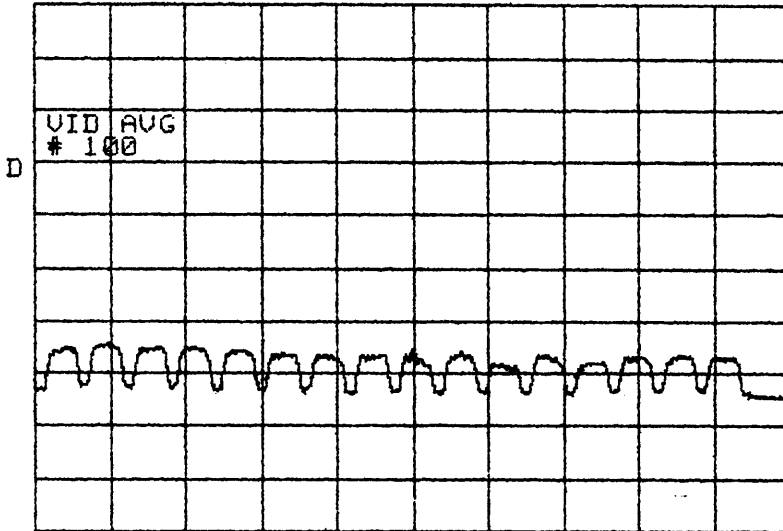
CENTER 1.2200GHz      SPAN 500.0MHz  
RBW 1.0MHz      \*VBW 10kHz      SWP 130ms

8/16/99

Adura

10AR-2b

ATTEN 10dB    VAUG 100    MKR -67.50dBm  
RL 0dBm        10dB/        1.2200GHz



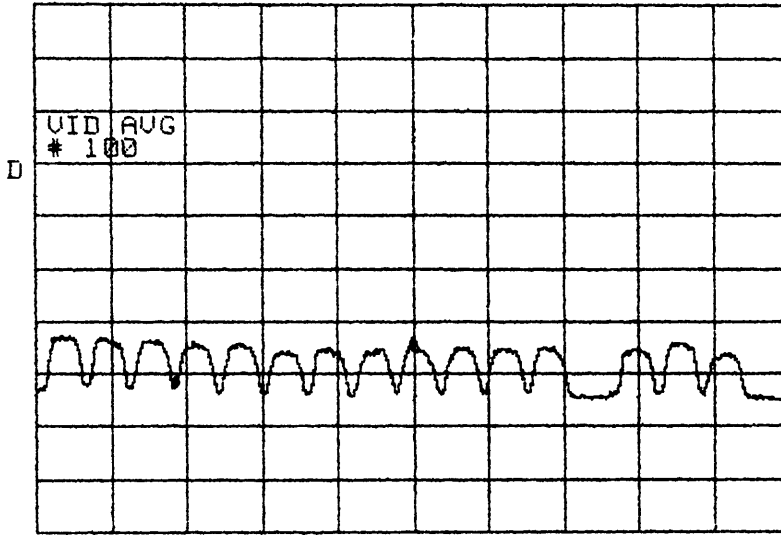
CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms



8/16/99

10AR-2C  
Adura

ATTEN 10dB    VAVG 100    MKR -65.17dBm  
RL 0dBm       10dB/    1.2200GHz

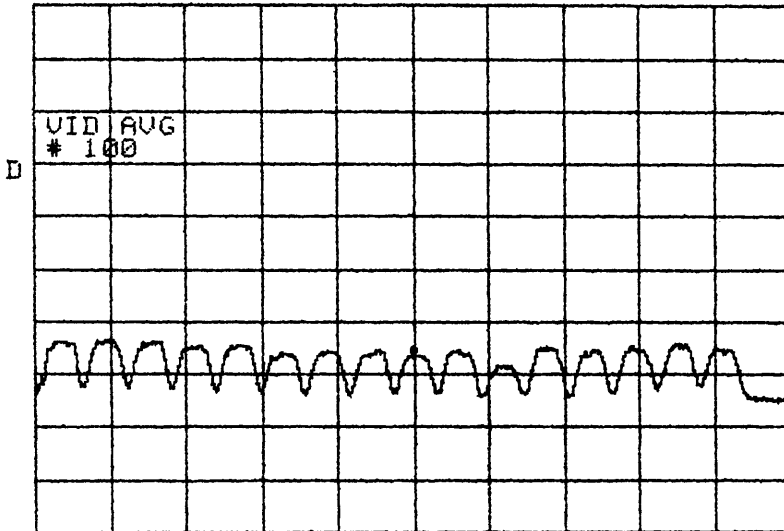


CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz    \*VBW 10kHz    SWP 130ms

8/16/99  
10AR-2d  
Adura

ES (119)  
NPTx OFF

ATTEN 10dB    VAUG 100    MKR -66.50dBm  
RL 0dBm        10dB/        1.2200GHz



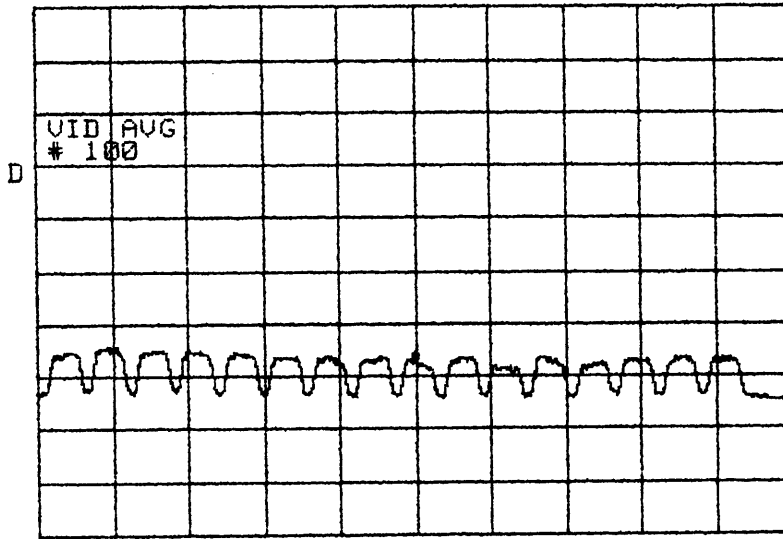
CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms

8/16/99

10AR-3b

Adura

ATTEN 10dB    UAUG 100    MKR -67.17dBm  
RL 0dBm        10dB/    1.2200GHz



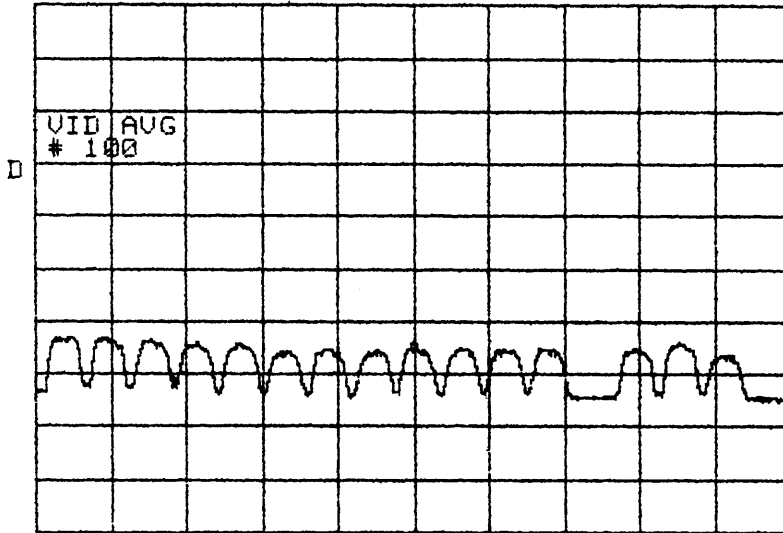
CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz    \*UBW 10kHz    SWP 130ms

8/16/99

10AR-3C

Adura

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



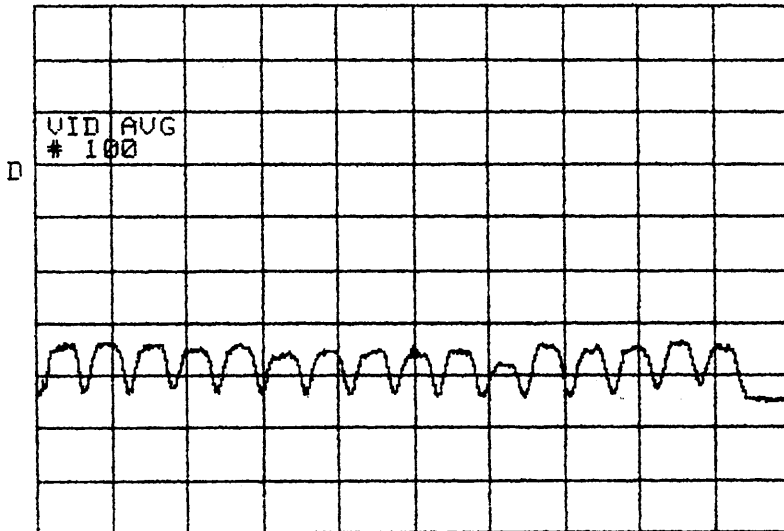
CENTER 1.2200GHz                    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms

8/16/99  
10AR-3d  
Adura

ES (119)

NPTx ON

ATTEN 10dB    VAUG 100    MKR -66.50dBm  
RL 0dBm        10dB/        1.2200GHz



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

Northpoint Technology – DBS Compatibililty Test – Washington DC Area

Rx Site Location Log

Rx Site No. 10A R  
Set: 11

p1

Site Name: Construction Site

Date / Time: 8 / 16 / 99 5:42<sup>PM</sup> EDT

Operator: Jonathan

GPS Receiver Reading at Site:

Lat: N 38° 53.429'

Time Read 21:45:19 <sup>GMT</sup> ~~EST~~

Lon: W 77° 03.923'

Elev: \_\_\_\_\_

**Weather:** Nearly completely blue sky, some haze and a few low clouds Temp. ~ 90°

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

same as before

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Location Log

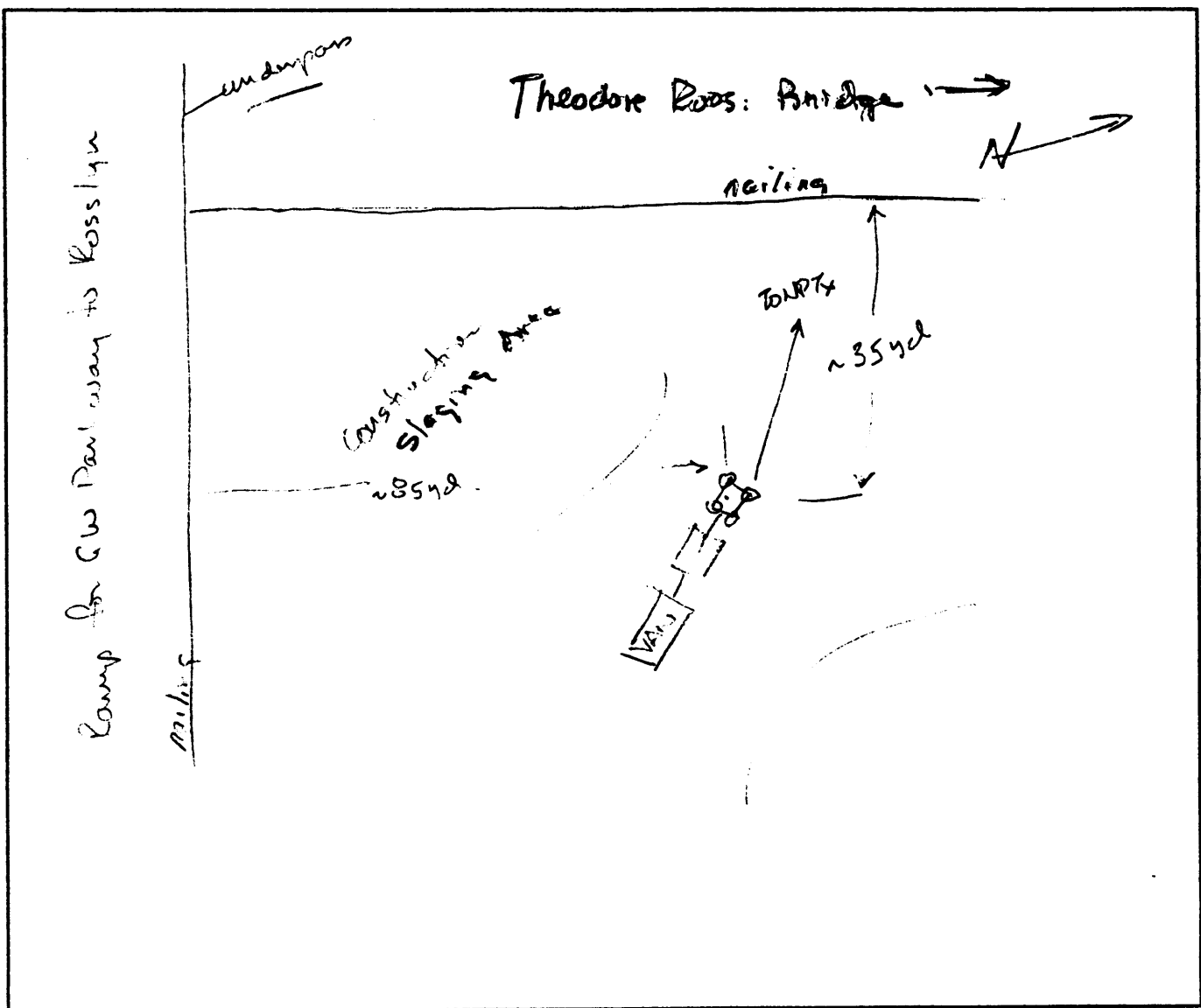
Rx Site No. 10A p1  
Set:     /    

Site Name: Construction Site Date / Time: 8/16/99 17:42 EDT  
Operator: DM

GPS Receiver Reading at Site: Lat: N 38 53.409  
Time Read 22:46 GMT EDT Lon: W 077 03.937  
Elev: 163'

Weather: Clear/Haze  
~92°F

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



# Northpoint Technology – DBS Compatiblilty Test – Washington DC Area

## Rx Site Condx/Event Log -- BER Data

(Re: Lucent / Newtec – NTC/2063/xx system.)

Rx Site No. 10AR p1

Set:   1  

Re: Rx Condx Ref. No. 1

Date / Time: 8/16/99 6:02p EDT

Re: Tx Condx Ref. No. 1

Operator: Jonathan

### Data Measurements:

NPTx Carrier Freq. (GHz)	12.47	NTC Filename	log 8-16-99.dat
Satellite Monitored	ES-119	Transponder	T-18

(See separate Rx Site Data Log for Signal Powers and Related Condx.)

Antenna LNB output is connected directly to the NTC box input

#	Time – EDT	Condition / Event
	18:02	start NTC interface progr.
	18:03	Start logging events, etc. NPTx <u>OFF</u> .
	04:14	Airplane overhead v Weather - Blue sky, sunny. slightly hazy near satellite Temp. ~ 90-95°
	6:45	Airplane overhead ~20 cars/min travelling NW on elevated road ~300ft. in front of satellite
	10:35	Airplane overhead
	13:10	Airplane
	14:45	Airplane
	15:40	Airplane
	17:10	Airplane
	18:50	Airplane Weather conditions: slightly hazier than 10 minutes ago
	20:10	Airplane
	23:03	Airplane
	24:35	Airplane
	27:20	Airplane
	28:36	Airplane
	36:00	~26 cars/min. on elevated highway weather is increasingly hazy
	37:06	Airplane
	39:15	Airplane
	18:42:44	NPTx is <u>ON</u> weather is still hazy w/ blue sky, 90-95° and a low sun
	:55	Airplane
	45:23	Airplane
	52:45	Airplane
	55:10	Airplane
	19:01:30	Weather conditions unchanged - blue sky with haze
	03:53	Airplane
	07:25	Airplane
	11:10	Airplane
	14:08	Airplane
	16:15	Airplane
	19:24:54	NPTx <u>OFF</u>