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## **COMMENTS FROM SITE 19**

**Site 19 Anacostia Park**

**Date:** August 16, 1999

**Weather Conditions:** Partly cloudy/slightly hazy; Temp 90°

**Comments:** The Northpoint signal is 1dB higher with boom lift up at 25' above ground level. Thick cumulous clouds (partly cloudy). Especially cloudy and variable to south in satellite regions.

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

## Rx Site Data Log

Anacostia Park

Rx Site No. 19  
Set: 1/1

p1

Re: Rx Condx Ref. No. 1

Date / Time: 08/16/97 EDT

Re: Tx Condx Ref. No. 1

Operator: [Signature] / A. Duran

### Data Measurements:

NPTx Carrier Freq. (GHz) 12.47

Disk Filename X

#### (1) NP Signal – NPTx ON:

	NP	Ant: D35 1			
Power (Px)	-65.00dB	TV Pix		Plot ID	19-1
				File Rec	X

#### (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: NP3			
Power (Px)	-66.83dB	TV Pix		Plot ID	19-2b
				File Rec	X

Sat 3	ES (61.5)	Ant: NP2			
Power (Px)	-65.17dB	TV Pix		Plot ID	19-2c
				File Rec	X

Sat 4	ES (119)	Ant: NP4			
Power (Px)	-68.83dB	TV Pix		Plot ID	19-2d
				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	

Sat 2	DTV	Ant: NP3			
Power (Px)	-66.83dB	TV Pix		Plot ID	19-3b
				File Rec	X

Sat 3	ES (61.5)	Ant: NP2			
Power (Px)	-65.33dB	TV Pix		Plot ID	19-3c
				File Rec	X

Sat 4	ES (119)	Ant: NP4			
Power (Px)	-69.00dB	TV Pix		Plot ID	19-3d
				File Rec	X

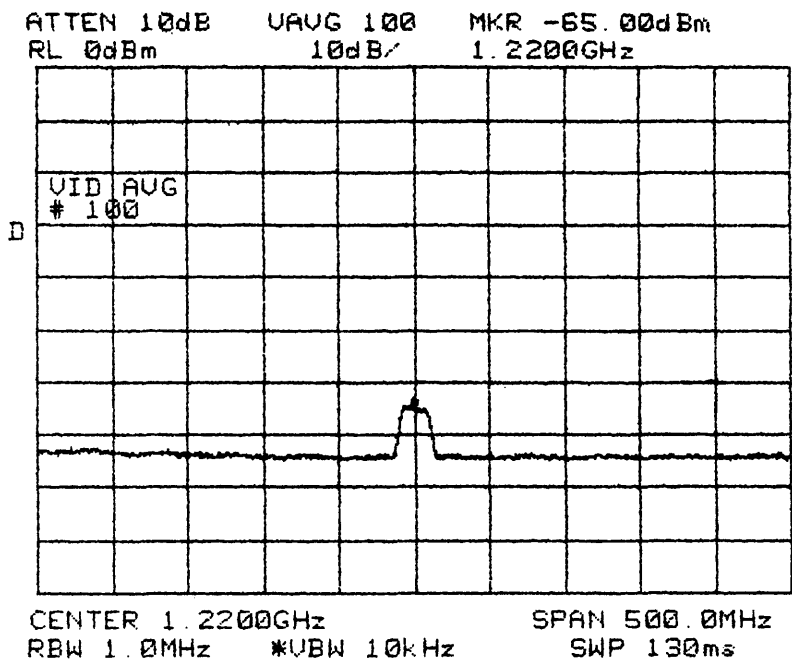
#### (4) NPTx OFF.

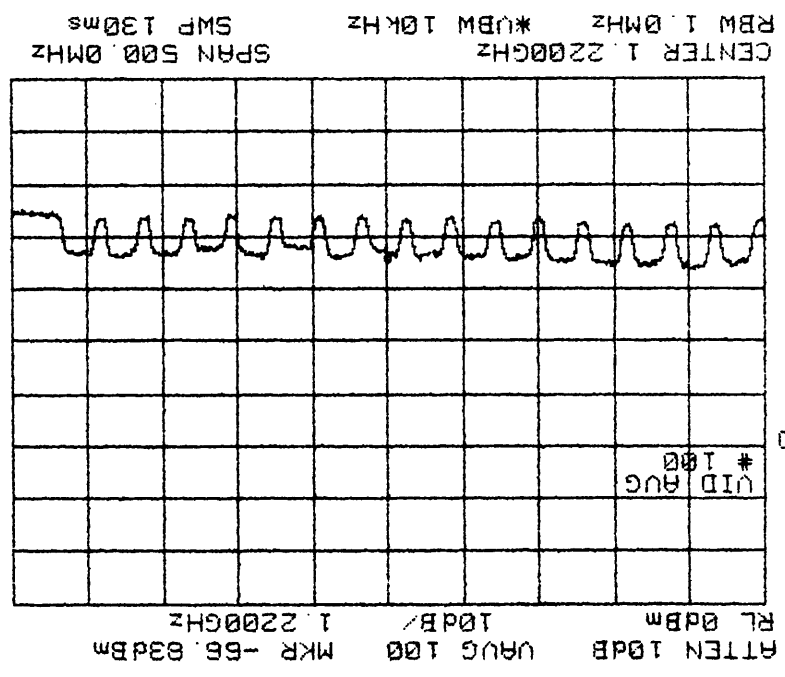
08/16/99

19-1

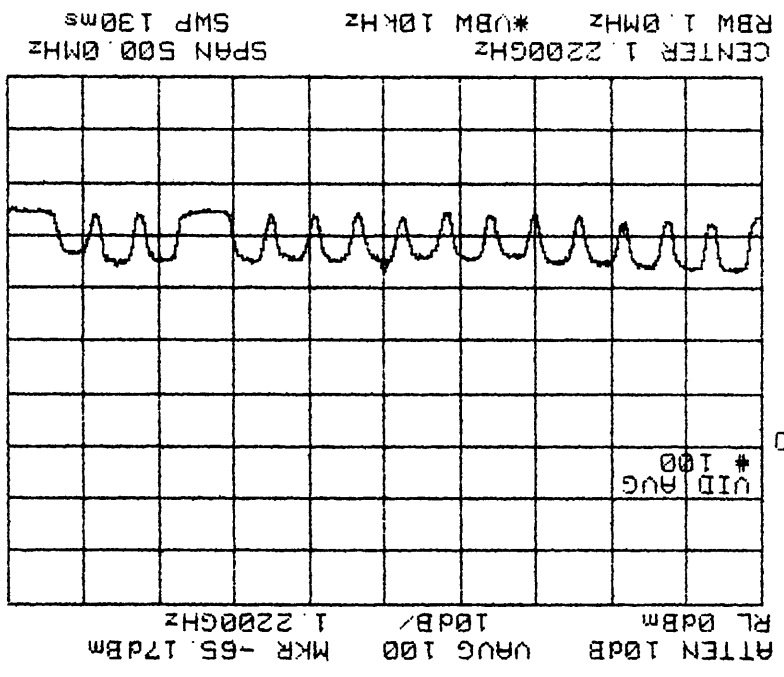
Adwrg

NPTx

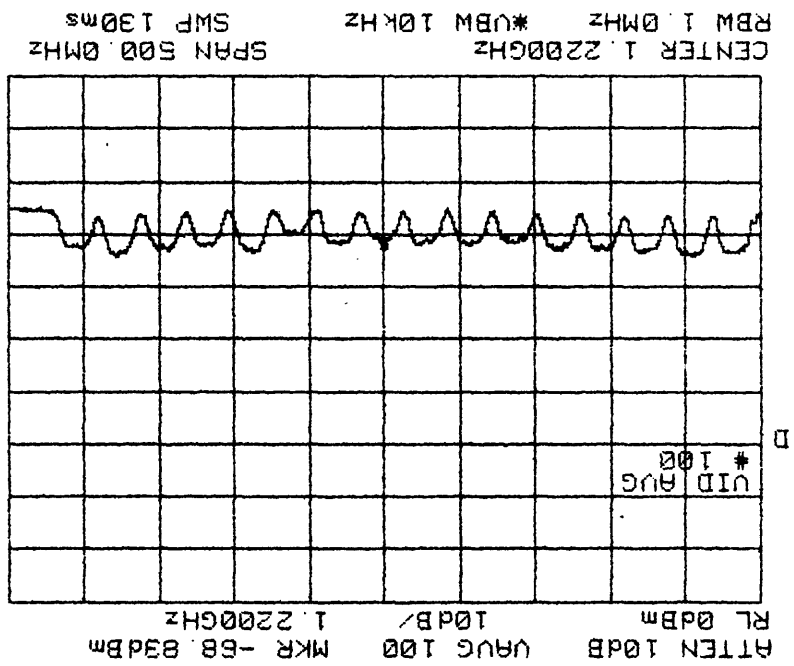




09/16/99  
 19-26 tower



8/16/99  
 19-2C  
 Adam

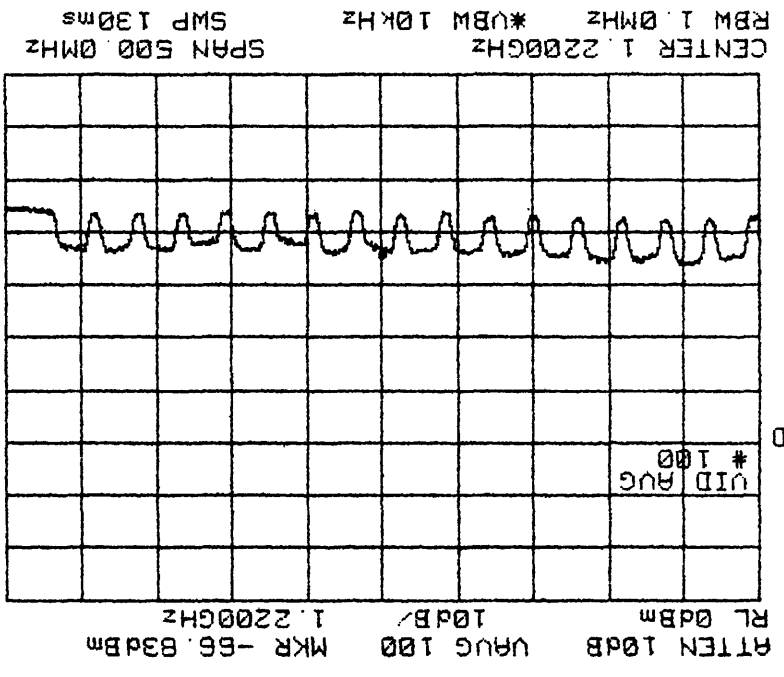


$$\frac{NP T \times OFF}{ES(119)}$$

Adura

19-2d

08/16/99



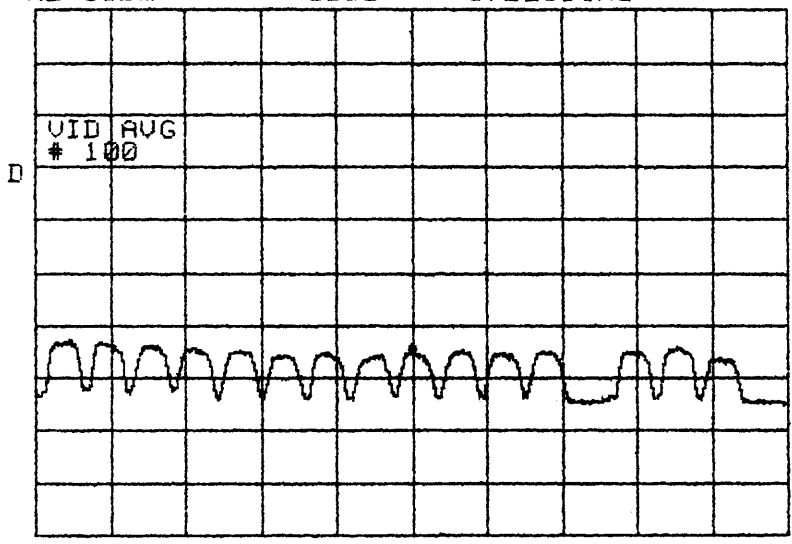
8/16/99  
 19-86  
 Adurq



08/16/99

Adura  
19-3C

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

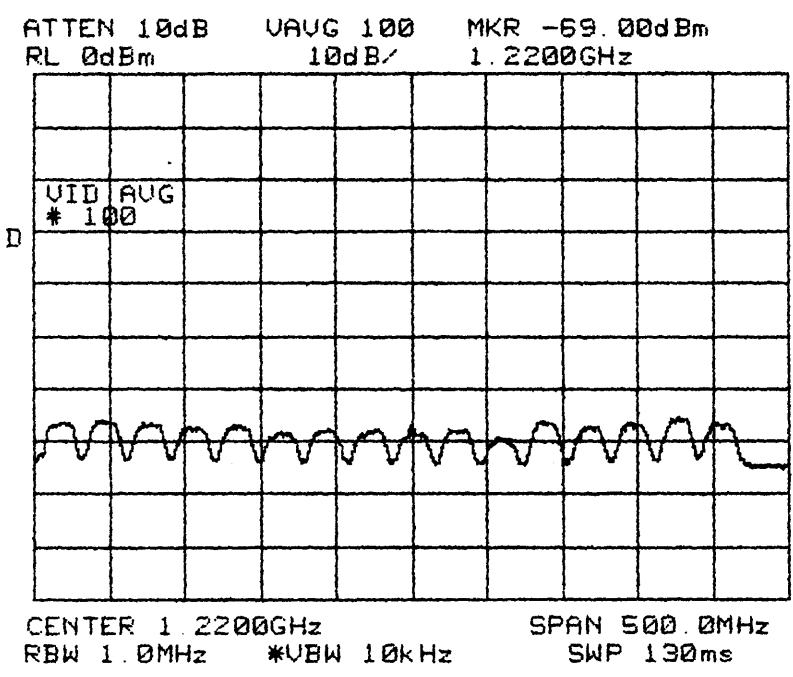


CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*UBW 10kHz        SWP 130ms

19-304 8/16/99  
Adura

ES (119)

NPTx ON



# Northpoint Technology - DBS Compatibility Test - Washington DC Area

## Rx Site Location Log

Rx Site No. 19 p1  
Set: 1 /

Site Name:

Date / Time:

8/16/99 13:00 EDT

Anacostia Park

Operator: Dm

GPS Receiver Reading at Site:

Lat: N 38° 52.093'

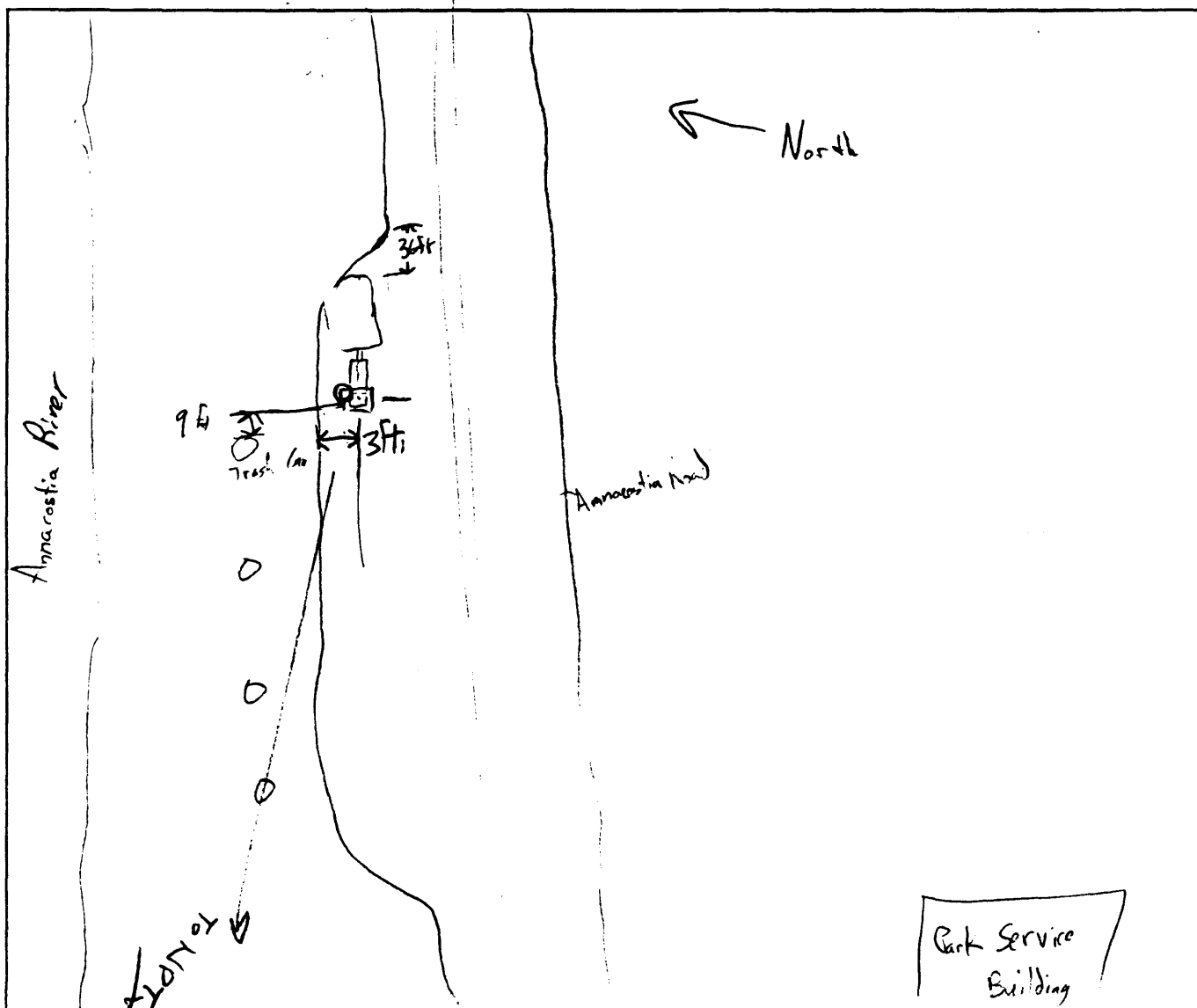
Time Read 18:16:35 EDT

Lon: W 76° 59.85'

Elev:

Weather: Partly cloudy, slightly hazy. Temp ~90°

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



Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Data Log

Anacostia Park

Rx Site No. 19  
 Set: 1/1

p2

Signal Strength Pointer (ssp) Data –

(2a) NPTx OFF:

Sat 1	T-											Avg:	
Sat 2	T-18	80	83	80	82	78	79	81	84	78	80	Avg:	80.5
Sat 3	T-18	94	94	94	94	94	94	94	94	94	95	Avg:	94.1
Sat 4	T-18	84	85	85	82	85	84	85	85	85	85	Avg:	84.5
		82	80	80	82	80	81	80	81	81	80		80.7

(3a) NPTx ON: *Repeat OFF condx after ON was done. note #.*

Sat 1	T-18											Avg:	
Sat 2	T-18	82	80	79	81	84	80	83	81	84	82	Avg:	81.6
Sat 3	T-18	95	94	94	94	94	95	95	94	94	95	Avg:	94.4
Sat 4	T-18	80	80	80	80	79	80	80	80	80	80	Avg:	79.9

Legend // Comments:

NPTx – Northpoint Transmitter.

The North pt signal is 1dB higher at 25' Agl.

Note #1: Thick cumulous clouds (partly dark) especially cloudy & variable to south in Sat region 1.

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Anacostia Park

Rx Site Data Log

Rx Site No. 19 p2 a  
 Set: 1/1

Signal Strength Pointer (ssp) Data – LNB @P Connected directly to rx  
 (no splitter in signal.)

(2a) NPTx OFF:

Sat 1	T-											Avg:	
Sat 2	T-18	75	75	70	70	75	79	75	74	76	74	Avg:	74.3
Sat 3	T-18	95	94	95	94	94	95	95	94	94	94	Avg:	94.4
Sat 4	T-18	84	84	82	84	83	82	82	82	82	82	Avg:	82.8
		80	79	81	81	79	79	80	80	81	80		80.0

(3a) NPTx ON: Repeat OFF condx after on done.

Sat 1	T-											Avg:	
Sat 2	T-18	76	78	72	78	76	71	76	74	77	76	Avg:	75.4
Sat 3	T-18	95	95	94	95	95	95	94	95	94	95	Avg:	94.1
Sat 4	T-18	80	78	78	81	80	82	79	79	81	79	Avg:	79.4

Legend // Comments:  
 NPTx – Northpoint Transmitter.

# Northpoint Technology – DBS Compatibility Test – Washington DC Area

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

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

Rx Site No. 19

pg 2

Set: 11

Re: Rx Condx Ref. No. 1

Date / Time: 8/16/99 3:46 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-19

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

(Note: Time here is 12 hr format) Ant LNB directly to NTC box -

#	Time -- EDT	Condition / Event
	PM 3:46:30	helicopter overhead
	46:40	1 car → E
	47:17	1 car → W
	48:18	2 cars → E
	:42	1 car → E
	49:23	1 car → E
	:31	1 car → W
	50:43	2 cars → E
	51:31	1 car → E
	53:15	2 cars → W
	54:10	1 car → E
	:19	1 car → W
	:27	1 car → W
	55:34	2 cars → E
	57:45	logger → W
	58:03	1 car → E
	:20	1 car → E
	59:07	2 cars → E
	4:00:13	fire truck → W
	01:35	2 cars → E, 1 car → W
	02:28	1 car → W, Airplane overhead
	03:54	1 car → W
	04:49	1 car → E
	05:30	1 car → W
	06:50	logger → E
	4:10:30	NPTx is OFF End of Test
		ψ 3:57 it was noted that Eb/No was unchecked - and was then rechecked

thinning out slightly

Weather - still very hazy with thick cumulus clouds  
 Weather - less hazy with relatively few clouds in sat. area

# Northpoint Technology - DBS Compatibility Test - Washington DC Area

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

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

Rx Site No. 19

pl

Set: 11

Re: Rx Condx Ref. No. 1

Date / Time: 8/16/99 15:00 EDT

Re: Tx Condx Ref. No. 1

Operator: Ann / Jon

### 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.)

Ant LNB output → NTC Box input (direct)

#	Time - EDT	Condition / Event
	PM 3:05	start logging (NTC prog. started a few moments ago). NPTx - OFF
	3:08:06	2-cars → E on Anacostia Rd.
	1:50	1 car → W
	3:09	Wx - FC ~ 25% - Thick cumulous clouds in sat region. variable
	1:25	1 car → E
	10:00	1 car → W
	1:40	1 car → W
	11:31	1 car → E
	12:30	1 car → E
	3:13:50	2 cars → E
	14:25	1 car → W
	15:28	1 car → E
	15:50	helicopter overhead
	16:53	1 car → W
	20:10	1 car → E
	24:11	1 car → E
	1:22	1 car → E
	27:13	1 car → E
	29:25	small airplane passed
	30:53	1 car → W
	31:30	1 car → W
	32:29	1 car → W
	33:10	1 car → E - Very hazy in sat. region, completely covered by clouds+haze
	35:14	1 car → W
	36:20	1 car → W
	37:37	1 car → W
	38:30	1 car → W
	39:27	1 car → W
	3:39:35	NPTx is ON - weather still very hazy in sat. area temp. ~ 90-95°
	41:30	1 car → W
	42:50	1 car → E
	43:40	1 car → E
	1:57	1 car → W
	44:20	1 car → E
	1:35	1 car → E
	45:10	1 car → E

**COMMENTS FROM SITE 20**

Site 20 St. Elizabeth's Hospital

Date: August 9, 1999

Weather Conditions: Clear Sky; Temp 90°

Comments:



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

**Rx Site Data Log**

St. Elizabeths.

Rx Site No. 20 p1  
Set: 11

Re: Rx Condx Ref. No. 1

Date / Time: 8/19/99 14:50 EDT

Re: Tx Condx Ref. No.  

Operator: Adura

**Data Measurements:**

NPTx Carrier Freq. (GHz) 12.47

Disk Filename X

(1) NP Signal – NPTx ON:

		Ant: NP			
Power (Px)	-61.83dB	TV Pix		Plot ID	20-1
	-62.33dB			File Rec	X

(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	Ant:			
Power (Px)	-65.00dB	TV Pix		Plot ID	20-2b
				File Rec	X

Sat 3	ES (61.5)	Ant:			
Power (Px)	-66.17dB	TV Pix		Plot ID	20-2c
				File Rec	X

Sat 4	ES (119)	Ant:			
Power (Px)	-63.88dB	TV Pix		Plot ID	20-2d
				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)	-64.50dB	TV Pix		Plot ID	20-3b
				File Rec	X

Sat 3	ES (61.5)	Ant:			
Power (Px)	-66.50dB	TV Pix		Plot ID	20-3c
				File Rec	X

Sat 4	ES (119)	Ant:			
Power (Px)	-63.88dB	TV Pix		Plot ID	20-3d
				File Rec	X

(4) NPTx OFF.

# Northpoint Technology – DBS Compatiblilty Test – Washington DC Area

## Rx Site Data Log

Rx Site No. 20 p2  
 Set: 1

### Signal Strength Pointer (ssp) Data –

(2a) NPTx OFF:

Sat 1	T-										Avg:		
Sat 2	T-18	84	81	82	80	81	81	79	78	79	80	Avg:	80.5
Sat 3	T-18	92	93	92	91	93	92	92	92	91	92	Avg:	92.0
Sat 4	T-18	96	96	96	96	96	96	96	96	96	96	Avg:	96.0

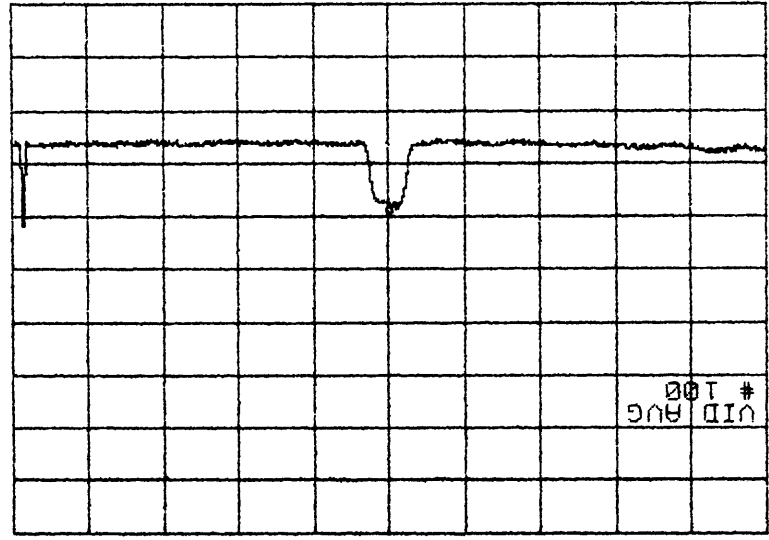
(3a) NPTx ON:

Sat 1	T-										Avg:		
Sat 2	T-18	83	95	82	85	83	76	79	81	82	80	Avg:	80.6
Sat 3	T-18	91	91	92	91	92	91	91	92	92	92	Avg:	91.5
Sat 4	T-18	96	96	96	96	96	96	96	96	96	96	Avg:	96.0

Legend // Comments:

NPTx – Northpoint Transmitter.

CENTER 1.2200GHZ  
SPAN 500.0MHZ  
RBW 1.0MHZ \*KUBW 10KHZ  
SMP 130ms



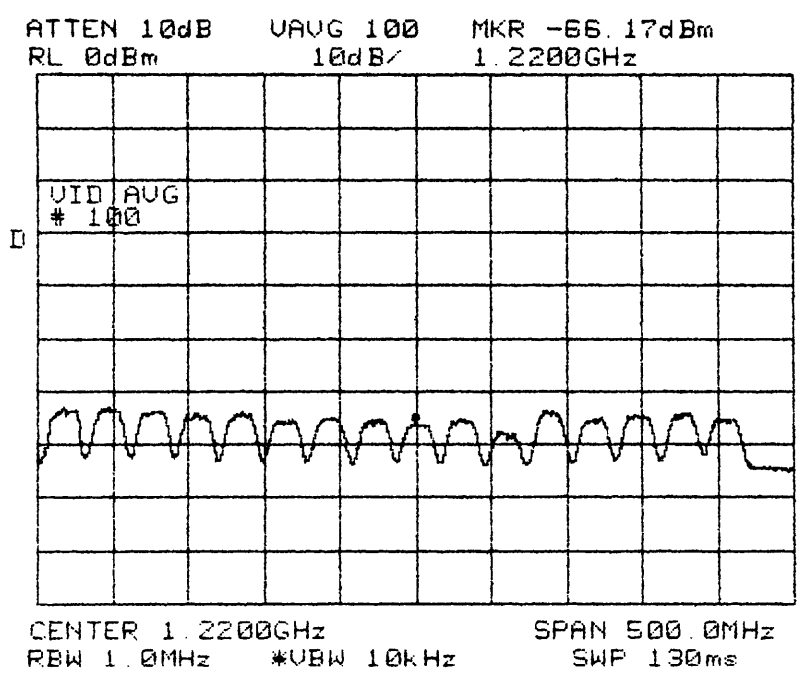
ATTEN 10dB  
VAVG 100  
MKR -62.33dBm  
RL 0dBm  
10dB/  
1.2200GHZ

# 100  
VID AVG

00-1

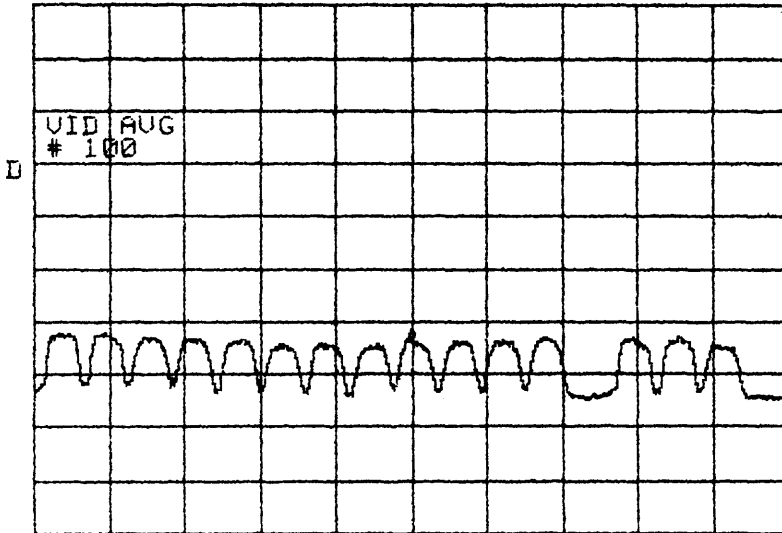
Hours  
8/5/99

Adura  
08/09/99



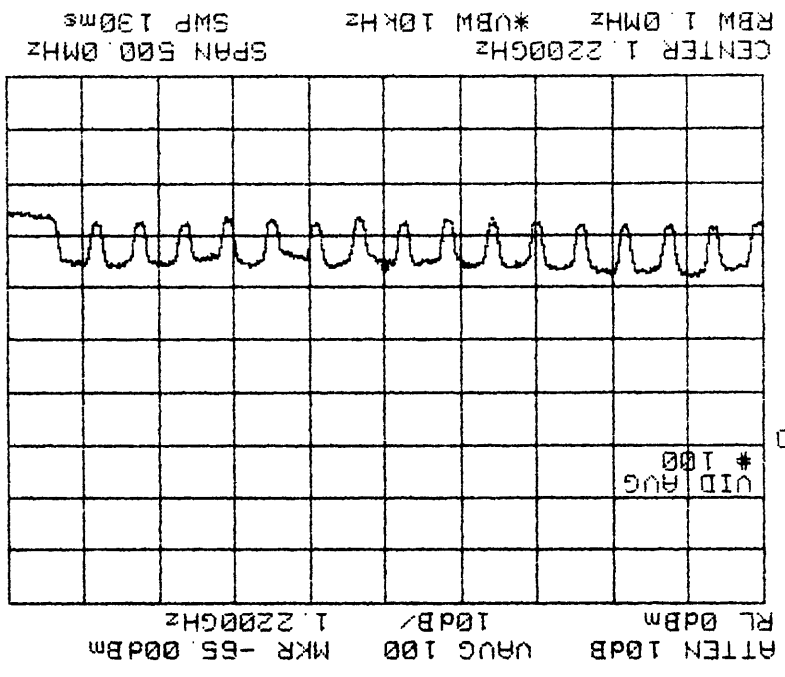
20-2c

ATTEN 10dB    UAUG 100    MKR -63.67dBm  
RL 0dBm        10dB/        1.2200GHz



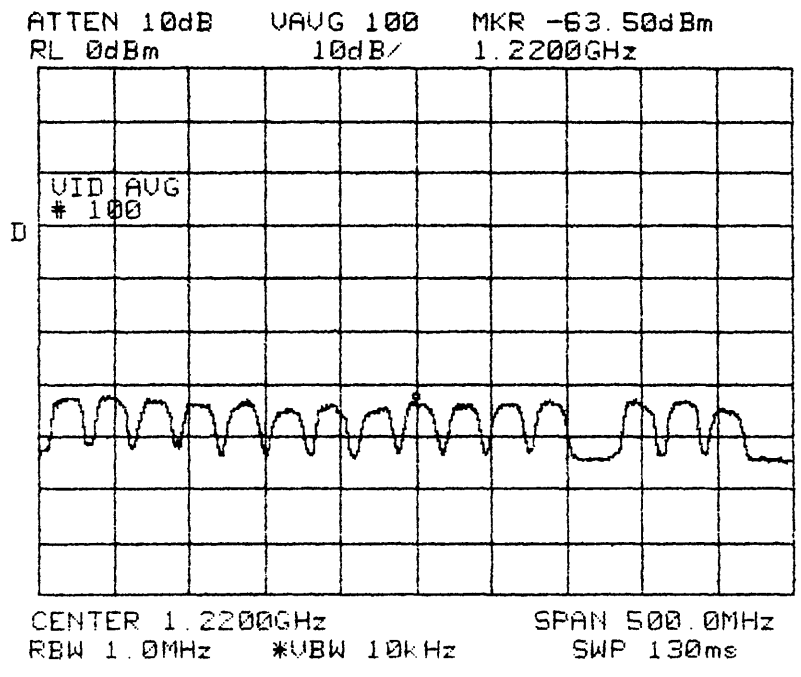
CENTER 1.2200GHz    SPAN 500.0MHz  
RBW 1.0MHz        \*VBW 10kHz        SWP 130ms

20-2-1

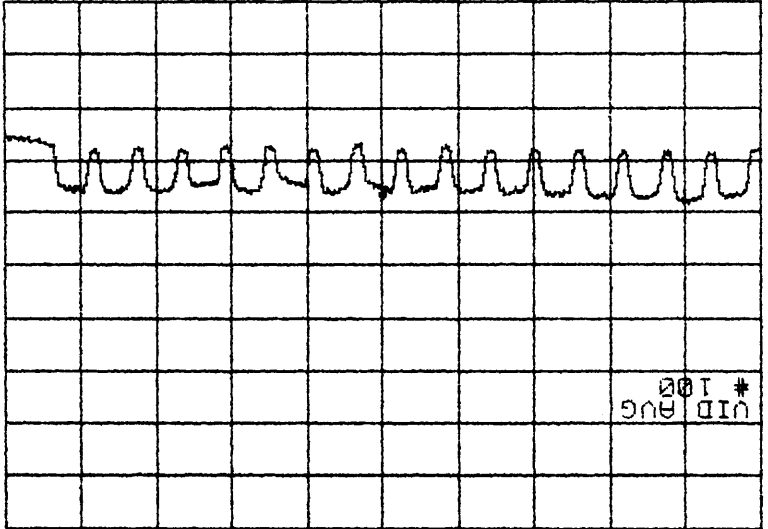


Fe-06  
 8/9/99  
 bsmpt

Adura  
8/9/99  
20-2a



CENTER 1.220GHZ  
SPAN 500.0MHZ  
RBM 1.0MHZ \*UBM 10KHZ  
SMP 130ms



ATEN 10dB URG 100 MKR -64.50dBm  
RL 0dBm 10dB / 1.220GHZ

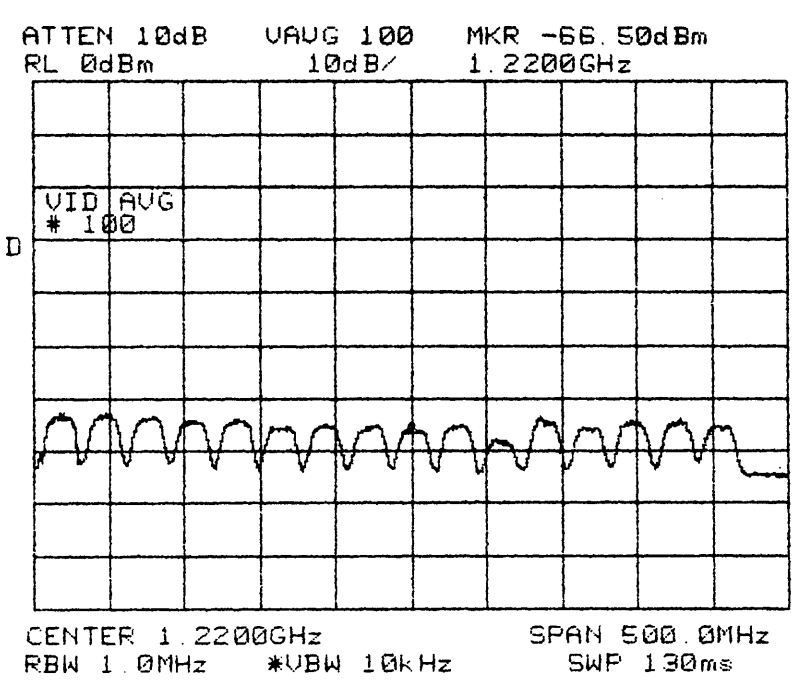
95-36

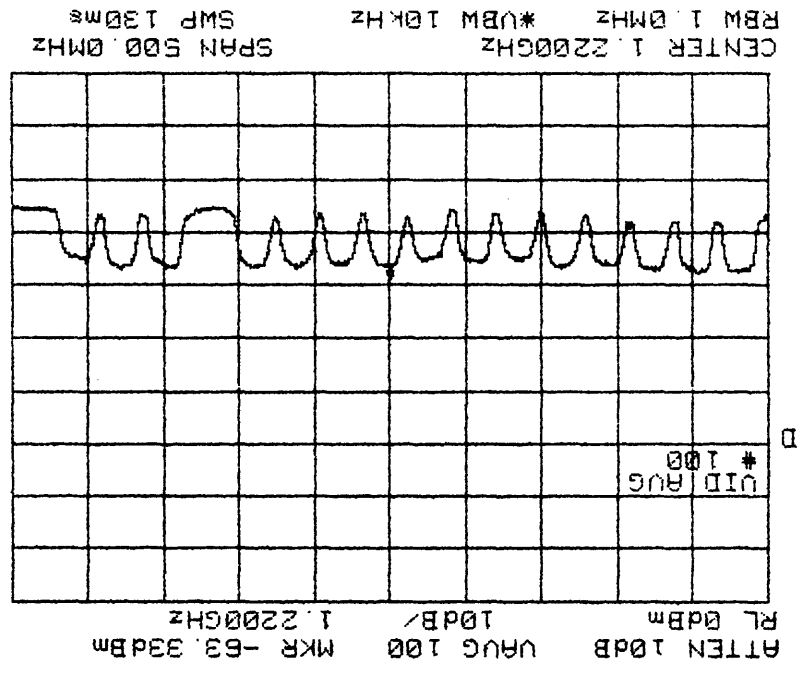
6/6/8

thurs



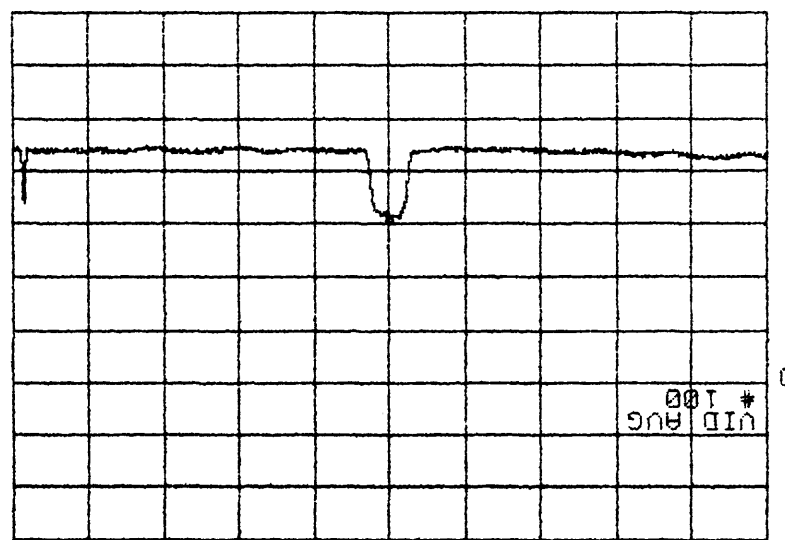
20-3c Arduino  
8/9/99





20-30  
 8/9/77  
 Tim

CENTER 1.220GHZ  
SPAN 500.0MHZ  
RBM 1.0MHZ \*UBM 10KHZ  
SMP 130ms



ATTEN 10dB  
VAG 100  
MKR -51.83dBm  
RL 0dBm

VID AUG  
# 100

# Northpoint Technology - DBS Compatibility Test - Washington DC Area

## Rx Site Location Log

Rx Site No. 20 p1  
Set: 11

Site Name:

Date / Time:

8/19/99 15:50 EDT

St. Elizabeths

Operator:

Am

GPS Receiver Reading at Site:

Lat: N 38° 51.466'

8/16/99 confirmed OK

Time Read 1958 GMT  
EDT

Lon: W 076° 59.946'

Elev: 123

Weather: clear  
~ 50°F

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

