

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 / Adura

Data Measurements:

NPTx Carrier Freq. (GHz)

12.47

Disk Filename

X

(1) NP Signal – NPTx ON:

North point
NO signal received

NPx

Ant: NPI

Power (Px)

TV Pix

Plot ID

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: NPI

Power (Px)

-66.83dB

TV Pix

Plot ID

12A-2b

File Rec

X

Sat 3

ES (6.5)

Ant: NPI

Power (Px)

-65.67dB

TV Pix

Plot ID

12A-2c

File Rec

X

Sat 4

ES (119)

Ant: NPI

Power (Px)

-66.67dB

TV Pix

Plot ID

12A-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: NPI

Power (Px)

-65.33

TV Pix

Plot ID

12A-3b

File Rec

X

Sat 3

ES (6.5)

Ant: NPI

Power (Px)

-65.33dB

TV Pix

Plot ID

12A-3c

File Rec

X

Sat 4

ES (119)

Ant: NPI

Power (Px)

-66.33dB

TV Pix

Plot ID

12A-3d

File Rec

X

(4) NPTx OFF.

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Location Log

Rx Site No.

12 A

p1

Set:

1 / 1

Site Name:

Date / Time:

8 / 13 / 99 11:20 EDT

Normandy House Roof

Operator:

Jim

GPS Receiver Reading at Site:

Lat: N 38 53.751

Time Read 1821

GMT

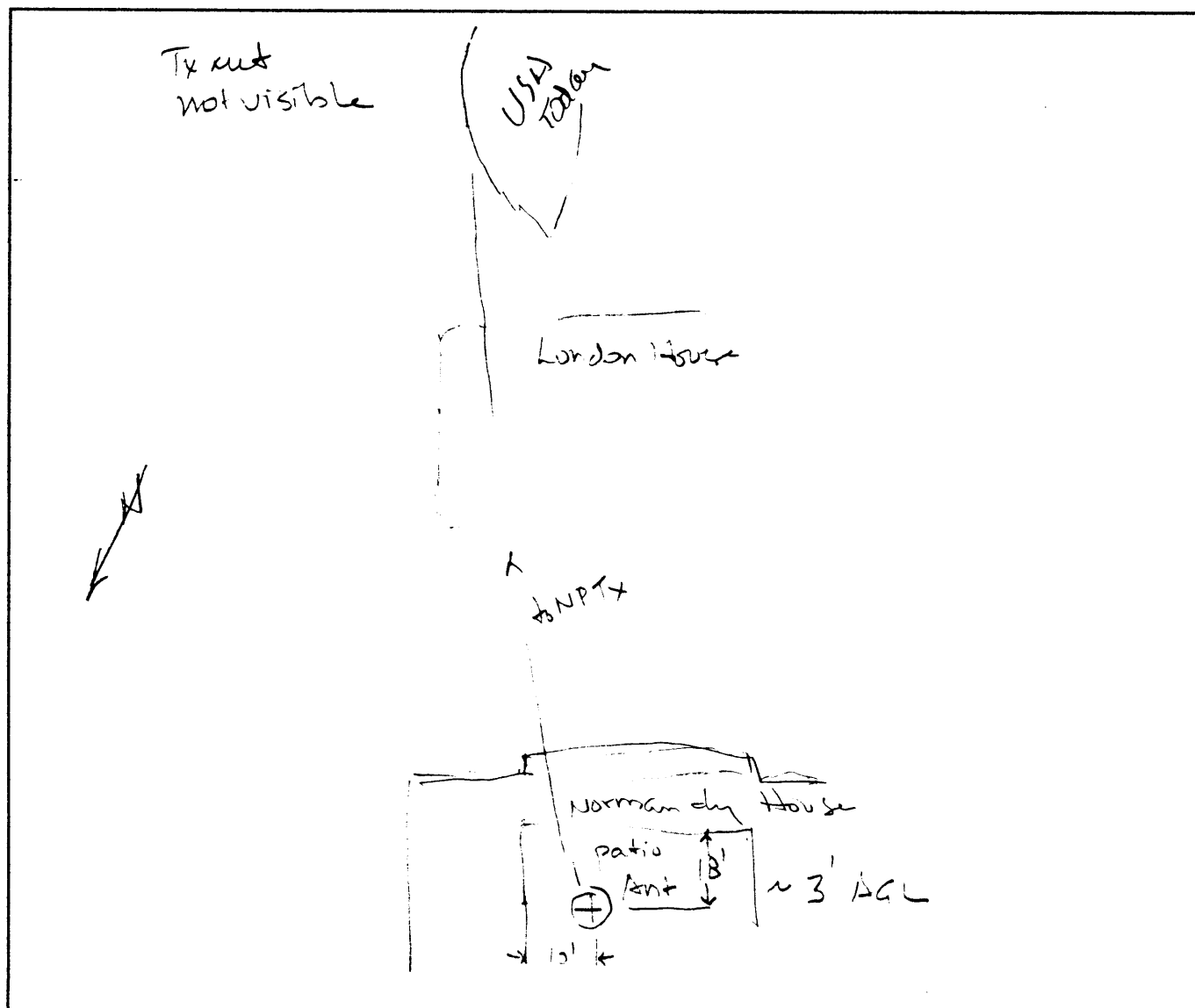
~~EDT~~

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 Compatibility Test – Washington DC Area

Normandy House

Rx Site Data Log

Rx Site No.

12A

p2

Set:

111

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

143R
STRx Site Data LogAlternate Pointer Data

Rx Site No.

NORMANDY
HOUSE

p2

Set:

1

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:	

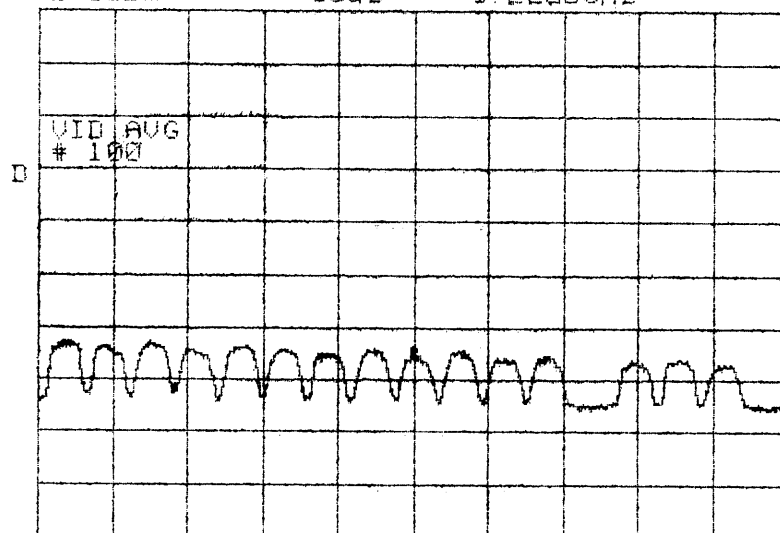
Legend // Comments:

NPTx – Northpoint Transmitter.

8/13/99 *Adler*

12A-3C

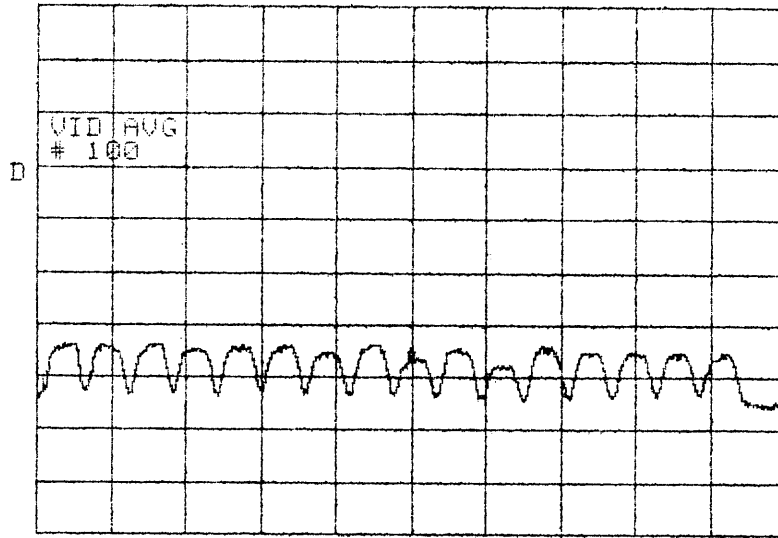
ATTEN 10dB VAUG 100 MKR -65.33dBm
RL 0dBm 10dB/ 1.2200GHz



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

8/13/99
Adura
124-39

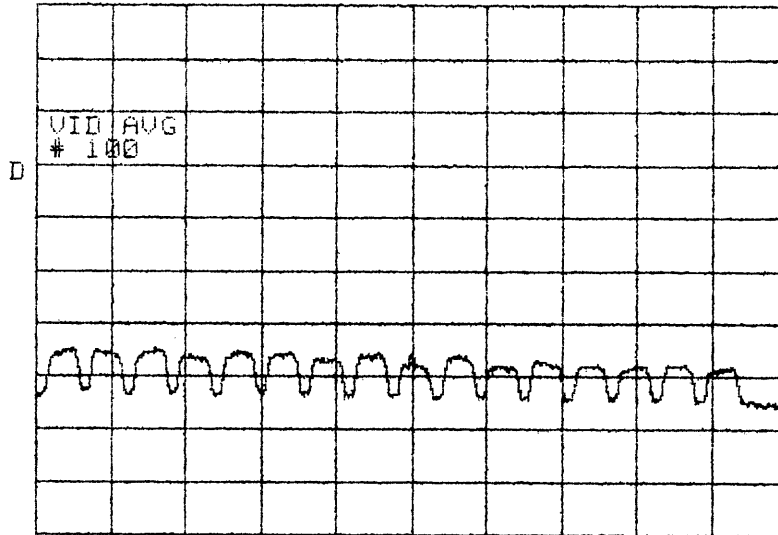
ATTEN 10dB VAUG 100 MKR -66.33dBm
RL 0dBm 10dB/ 1.2200GHz



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

8/13/99
Adm
12A...

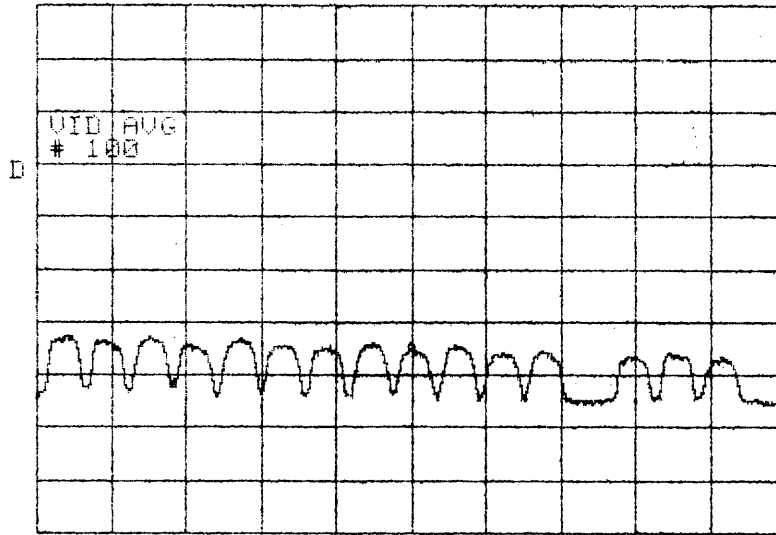
ATTEN 10dB UAUG 100 MKR -67.83dBm
RL 0dBm 10dB/ 1.2200GHz



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

8/13/99 Adura
124-2C

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



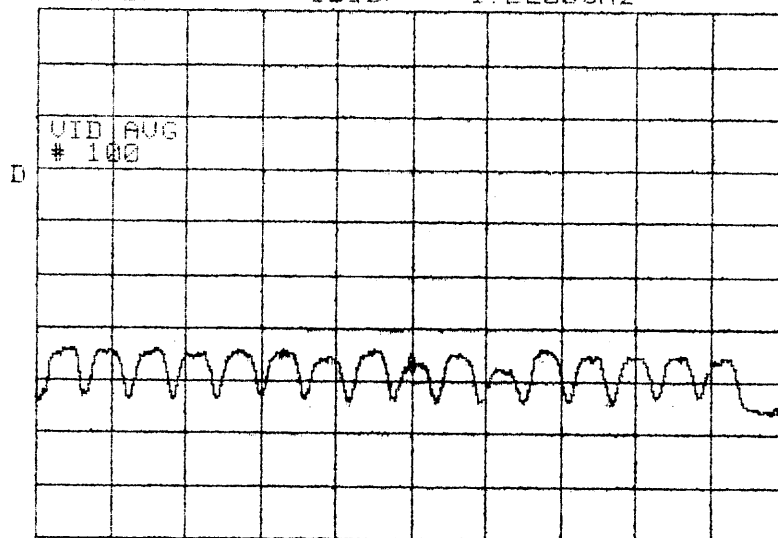
CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *UBW 10kHz SWP 130ms

8/13/99

Adma

12/22

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



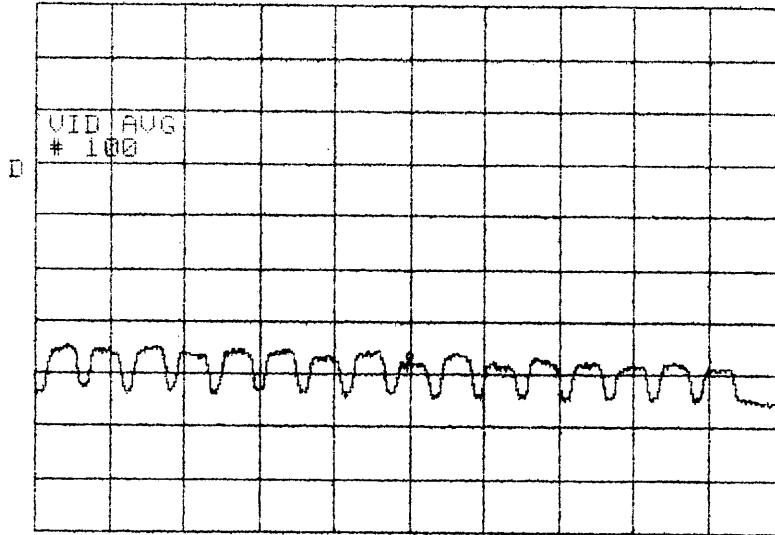
CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *UBW 10kHz SWP 130ms

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 *VBW 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 Compatiblilty 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:

Adhwa

Data Measurements:

NPTx Carrier Freq. (GHz) 12.47

Disk Filename X

(1) NP Signal – NPTx ON:

NP	Ant: DBS1		
Power (Px)	-50.83dB	TV Pix	
Plot ID	10AR-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)	-67.50dB	TV Pix	
Plot ID	10AR-2b	File Rec	X

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

Sat 4	ES (119)	Ant: NP4	
Power (Px)	-66.50dB	TV Pix	
Plot ID	10AR-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)	-67.17dB	TV Pix	
Plot ID	10AR-3b	File Rec	X

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

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

(4) NPTx OFF.

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Data Log

Rx Site No.

10A02

p2

Set:

___/___

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:

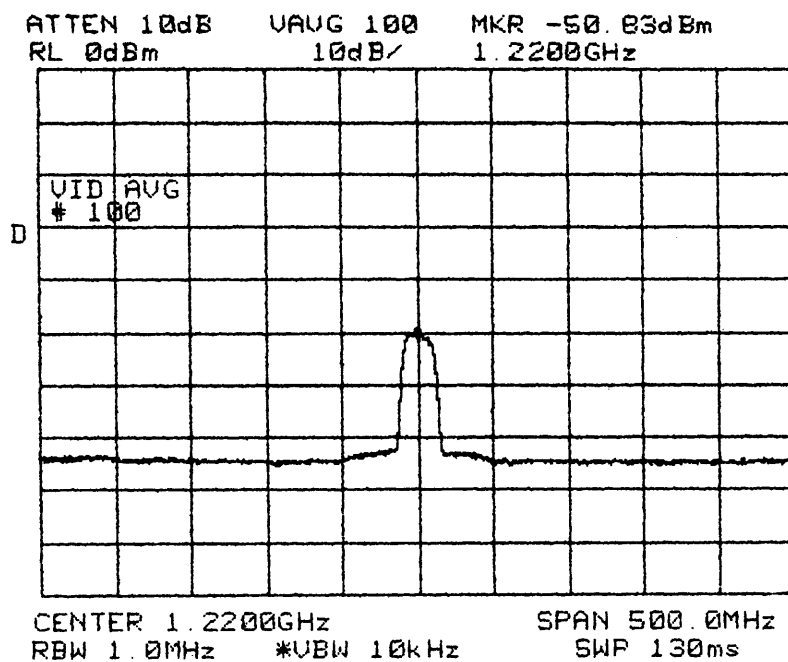
NPTx – Northpoint Transmitter.

8/16/99

10AR-1

Adura

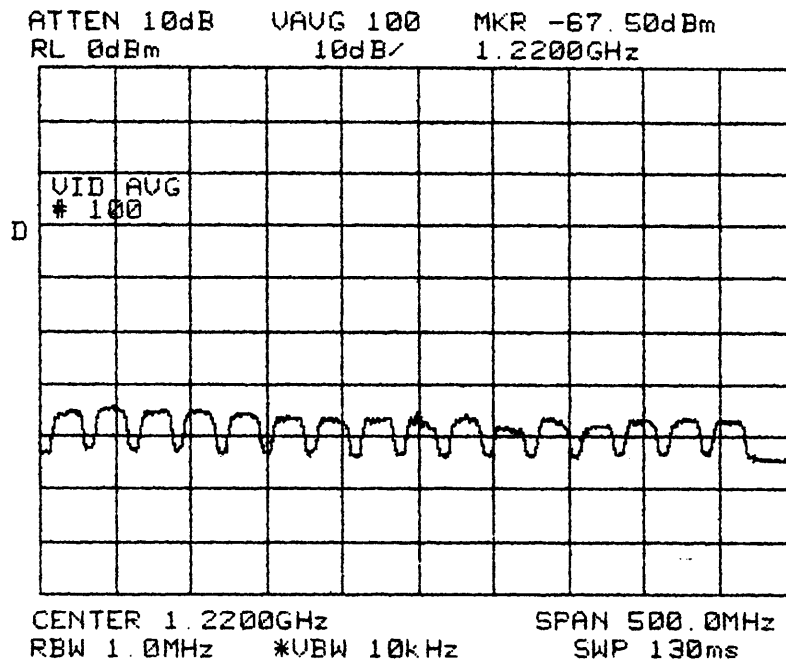
NPTy



8/16/99

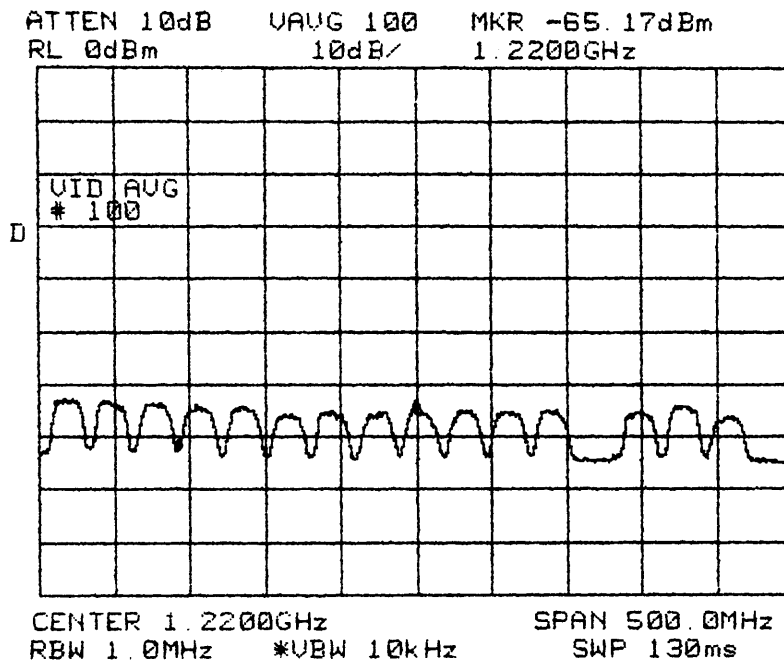
10AR-2b

Adura



8/16/99

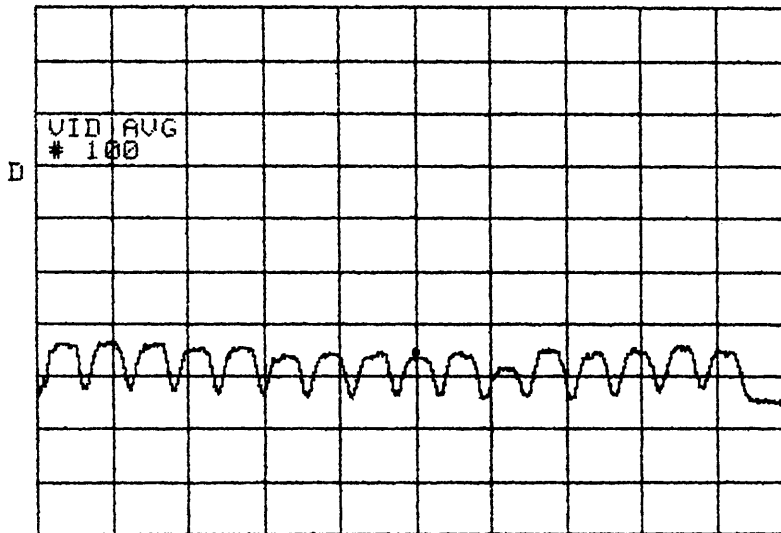
10AR-2C
Asura



8/16/99
10AR-29
Adura

ES (119)
NPTx OFF

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

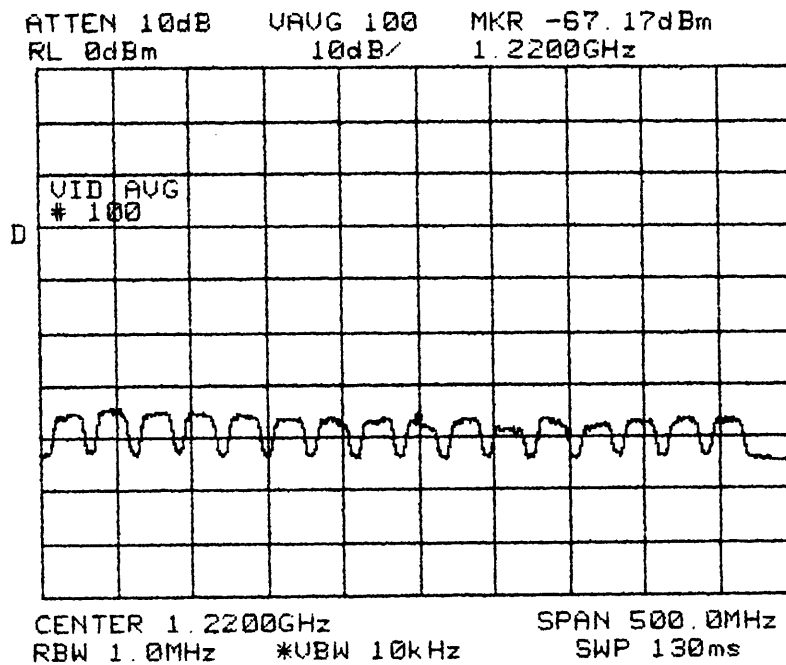


CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *VBW 10kHz SWP 130ms

8/16/99

10AR-3b

Adura



8/16/99

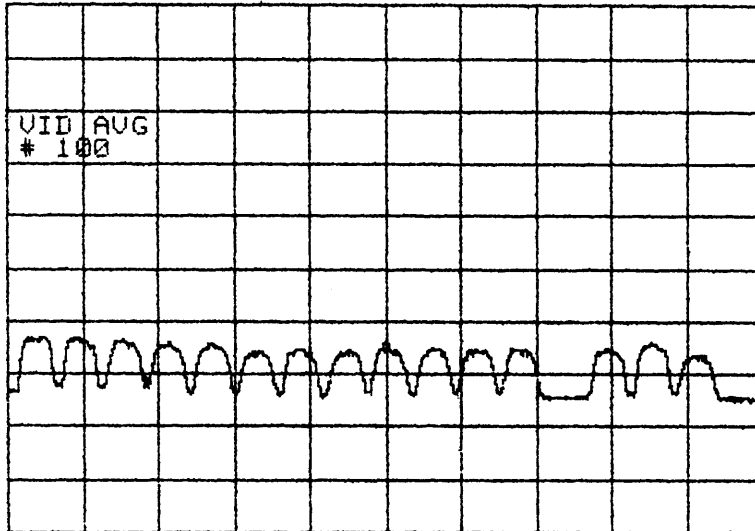
10AR-3C

Adura

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

VID AUG
100

D



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

8/16/99

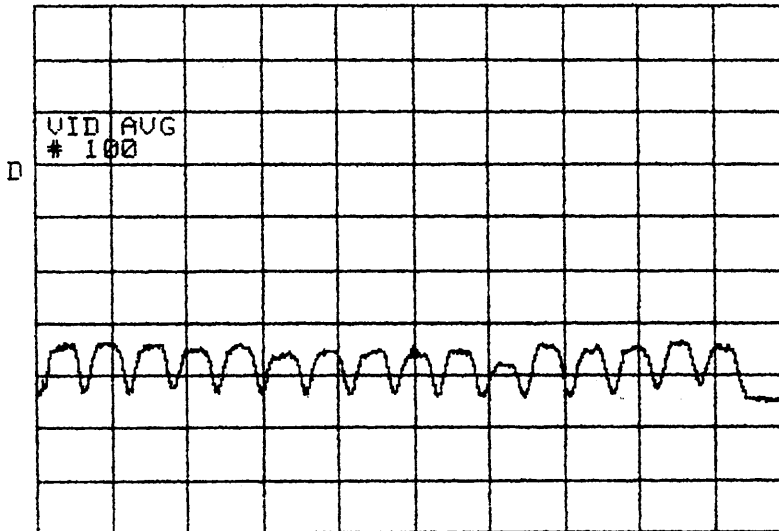
10AR-3d

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 Compatiblilty Test – Washington DC Area

Rx Site Location Log

Rx Site No.

10A R

p1

Set:

1/

Site Name: Construction Site

Date / Time:

8 / 16 / 99 5:42^{PM} EDT

Operator:

Jonathan

GPS Receiver Reading at Site:

Lat: N 38° 53.429'

Time Read 21:45:19 ^{GMT} ~~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: 1

Site Name:

Date / Time:

8/16/99 17:42 EDT

Construction Site

Operator:

Dr

GPS Receiver Reading at Site:

Lat: N 38 53.409

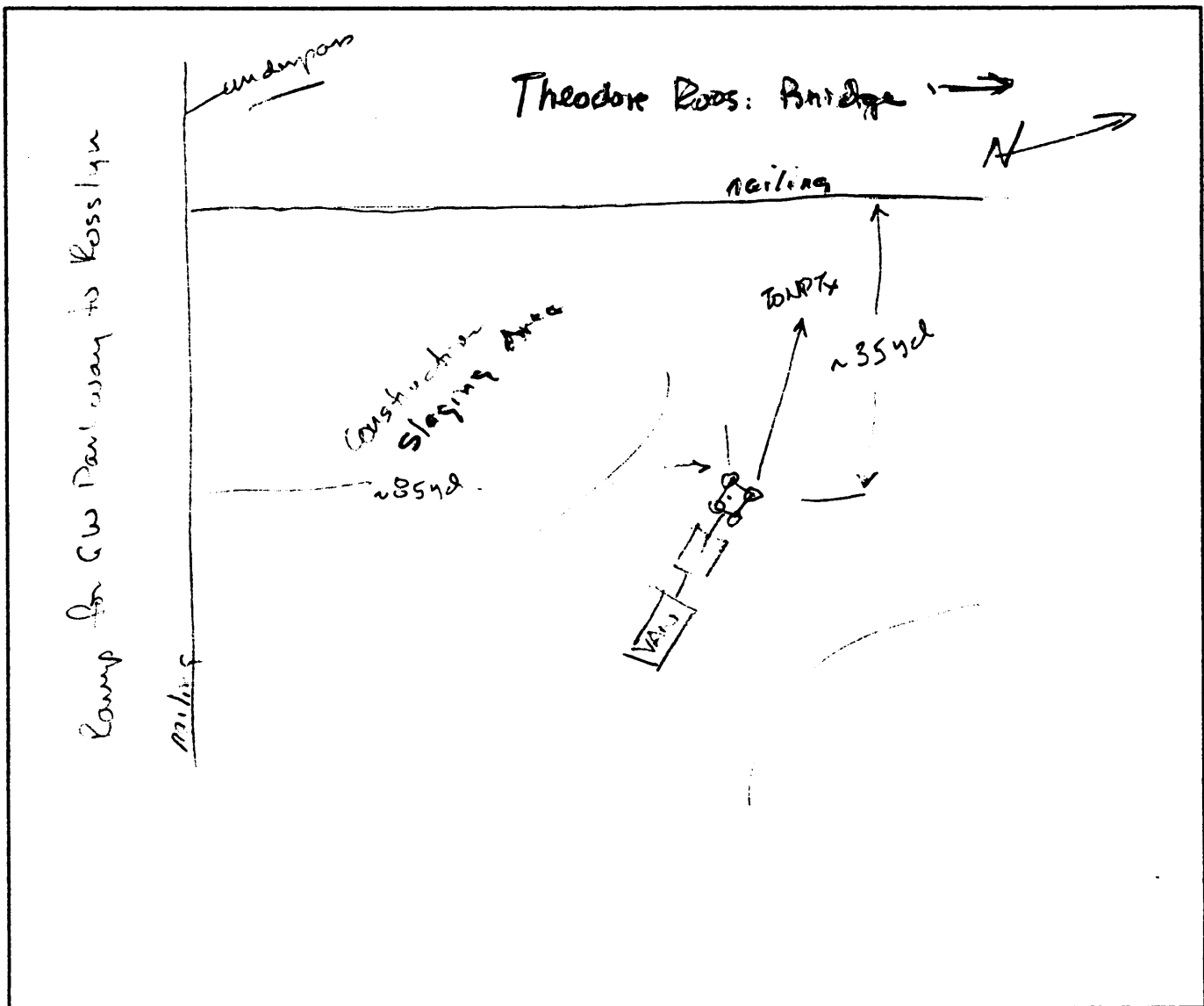
Time Read 22:46 GMT
EDT

Lon: W 077 03.937

Elev: 163'

Weather: Clear/Haze
~92°F

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



Northpoint Technology - DBS Compatibility Test - Washington DC Area

Rx Site Condx/Event Log -- BER Data

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

Rx Site No.

10AR

p1

Set:

1/1

Re: Rx Condx Ref. No.

1

Date / Time:

8/16/99 6:02pm 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 OFF.
	04:14	Airplane overhead
		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 ON
		Weather is still hazy w/ blue sky, 90-95° and a low sun
	:55	Airplane
	45:23	Airplane
	52:45	Airplane
	55:11	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 OFF