

COMMENTS FROM SITE 1A

Site 1A Theodore Roosevelt Island

Date: August 4, 1999

Weather Conditions: Hazy sky; Dusk; Temp 90°

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

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Data Log

Theodore Roosevelt Island

Rx Site No.

1A

p1

Set:

1/1

Re: Rx Condx Ref. No.

1

Date / Time:

08/04/99 18:55 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:

		Ant: DBS1	Cable1		
Power (Px)	-51.00dB	TV Pix		Plot ID	1A-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	X

Sat 2	DTV (101)	Ant: NP3			
Power (Px)	-64.67dB	TV Pix		Plot ID	1A-2b
				File Rec	X

Sat 3	ES (119)	Ant: NP2			
Power (Px)	-63.67dB	TV Pix		Plot ID	1A-2c
				File Rec	X

Sat 4	ES (61.5)	Ant: NP4			
Power (Px)	-65.33dB	TV Pix		Plot ID	1A-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)	-64.83dB	TV Pix		Plot ID	1A-3b
				File Rec	X

Sat 3	ES (119)	Ant: NP2			
Power (Px)	-64.17dB	TV Pix		Plot ID	1A-3c
				File Rec	X

Sat 4	ES (61.5)	Ant: NP4			
Power (Px)	-66.17dB	TV Pix	OK	Plot ID	1A-3d
				File Rec	X

(4) NPTx OFF.

Northpoint Technology – DBS Compatiblilty Test – Washington DC Area

Rx Site Data Log

Rx Site No.

14

p2

Set:

11

Signal Strength Pointer (ssp) Data --

(2a) NPTx OFF:

Sat 1	T-											Avg:	
Sat 2	T-18	82	83	85	84	81	79	83	85	85	81	Avg:	82.3
Sat 3	T-18	97	96	96	95	95	95	96	95	97	95	Avg:	95.7
Sat 4	T-18	86	86	86	85	85	86	86	84	84	84	Avg:	85.2

(3a) NPTx ON:

Sat 1	T-											Avg:	
Sat 2	T-18	81	81	79	84	81	80	82	81	80	80	Avg:	80.9
Sat 3	T-18	96	96	96	96	95	96	97	97	95	96	Avg:	96.1
Sat 4	T-18	81	79	81	80	82	81	81	81	81	81	Avg:	80.8

Legend // Comments:

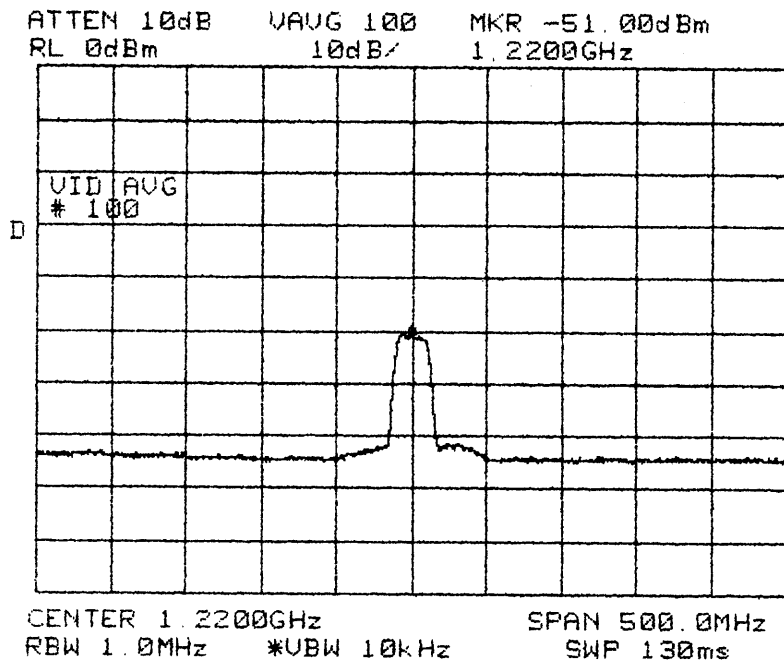
NPTx – Northpoint Transmitter.

Reception of signal on ES(61.5) is affected by trees blocking

NPTx 505

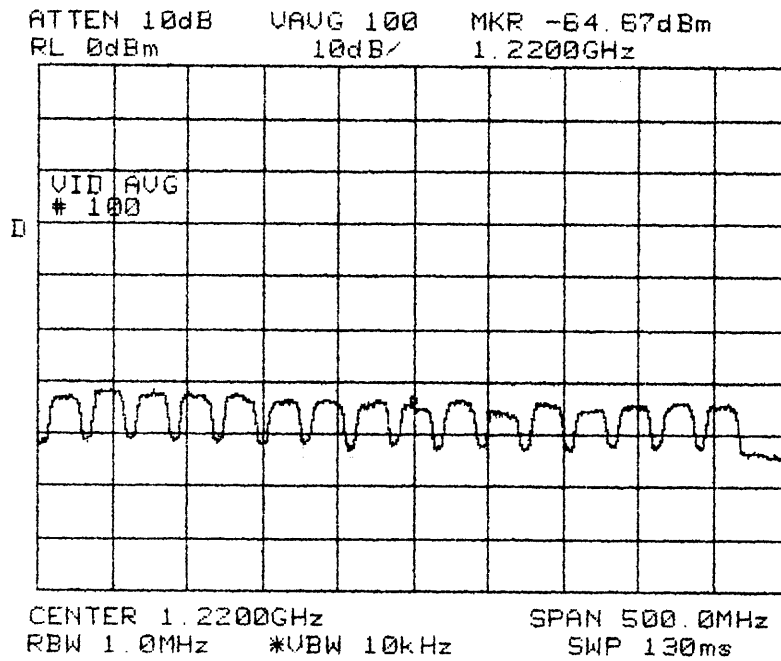
1A-7

8/4/99 De
Adura



NPTx - OFF

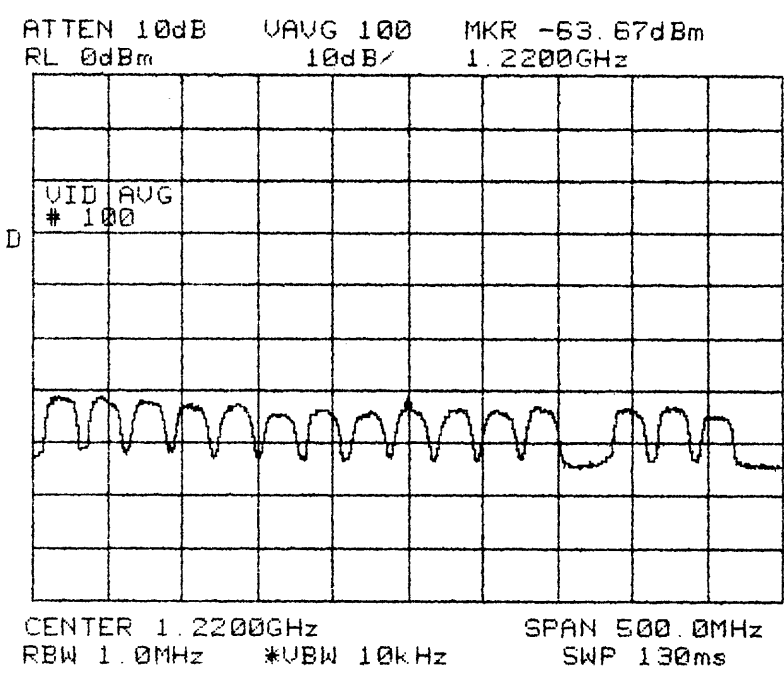
8/4/95 De
Adura
1A-26



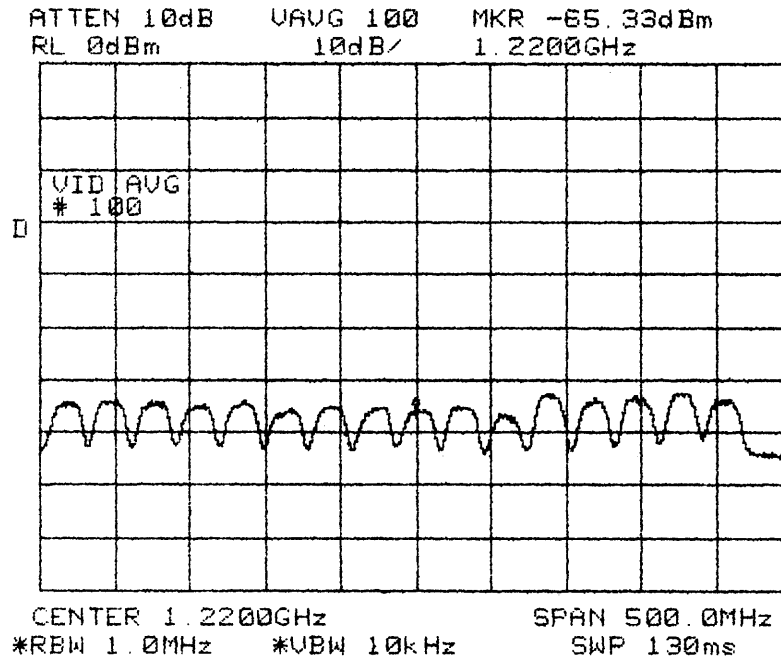
8/4/99

1A-2C

Adura

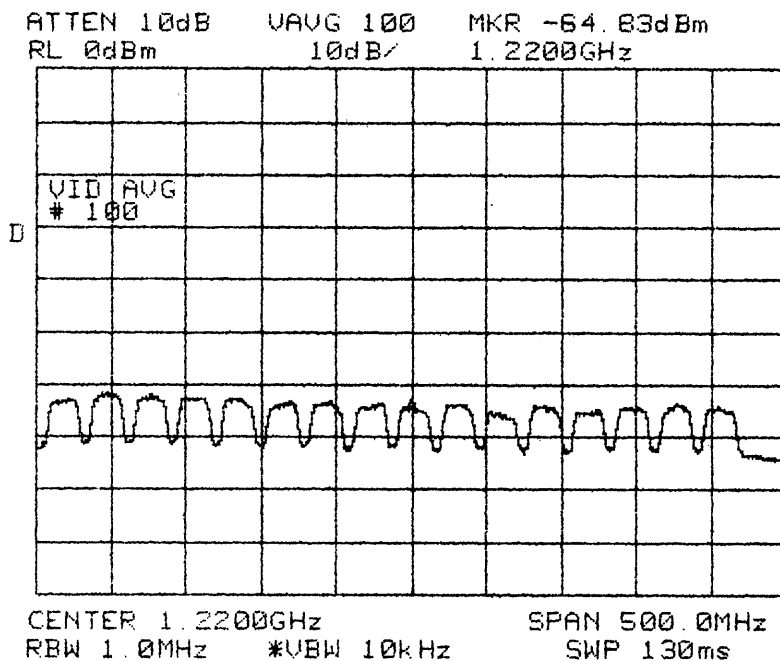


8/4/99 Du
1A-2 of
Adena

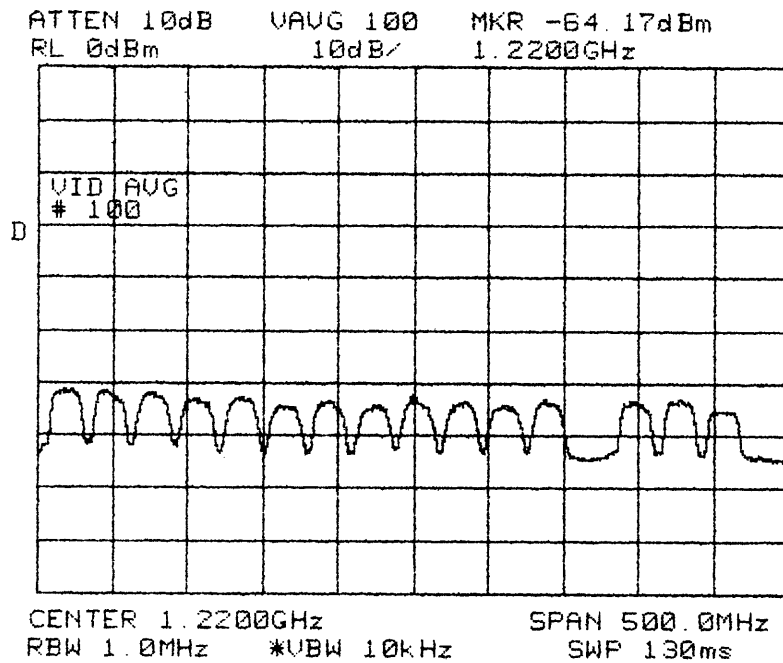


NPTx - 2N

8/4/99 *De*
Adura
1A-36

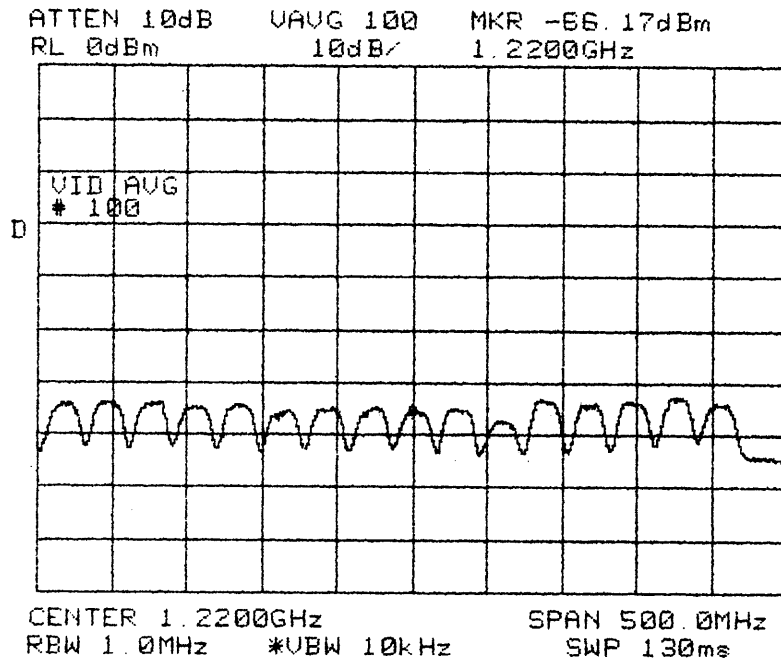


8/4/99 Dr
Alura
P-3C



8/4/95 Dr -
Adura

7A-39



Northpoint Technology – DBS Compatiblilty Test – Washington DC Area

Rx Site Location Log

Rx Site No.

1a

p1

Set:

1

Site Name:

Date / Time:

08/10/99 7:45pm EDT

Theodore Roosevelt Island

Operator:

Akin Falodun

GPS Receiver Reading at Site:

8/16/99 Du

Lat: N 38° 53.770'

done after the fact

Time Read 1447 EDT

Lon: N 77 04.028'

Elev:

Weather:

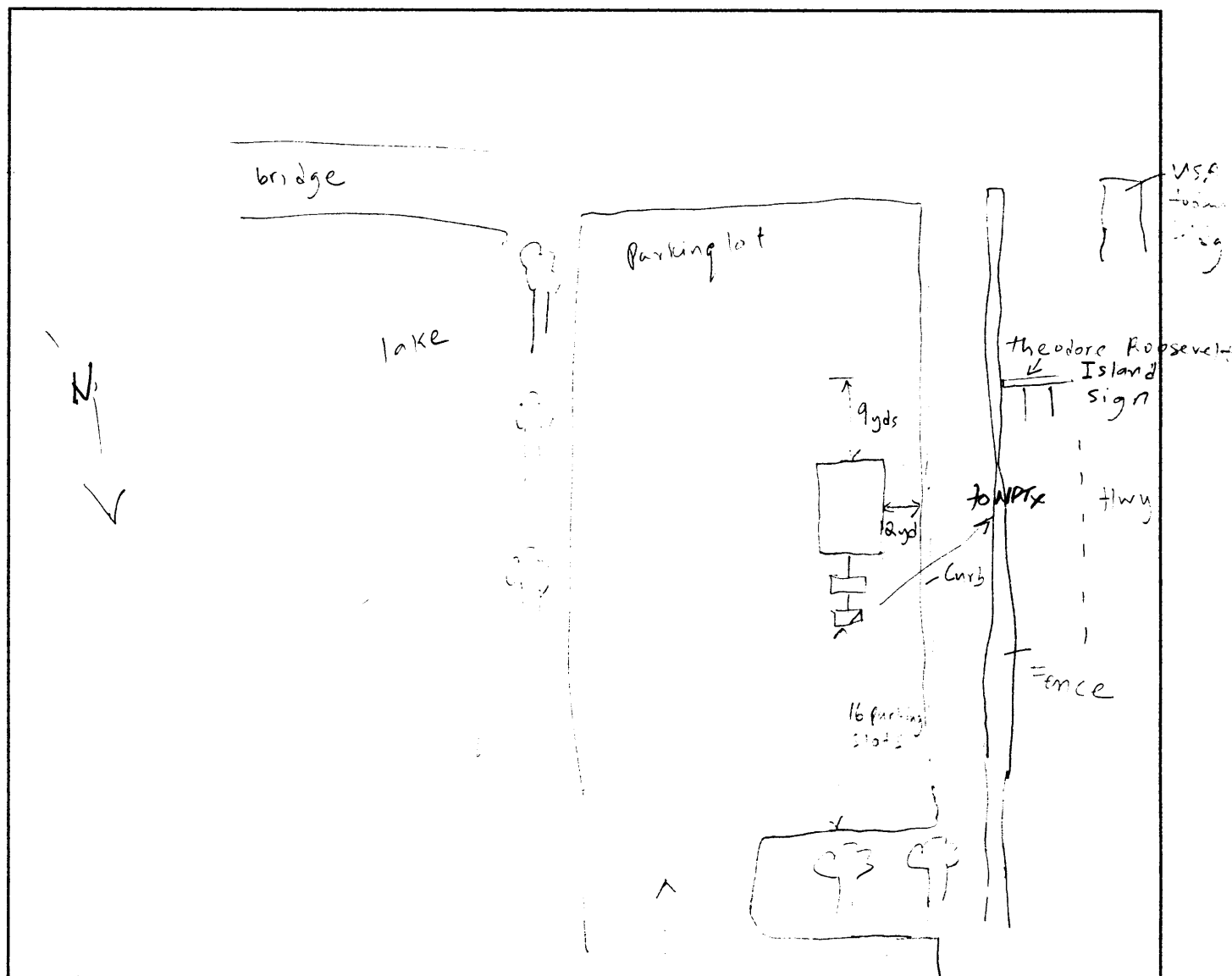
Hazy Blue Sky

It is getting dark

temp ~ mid 70's

? (prob 90°+ DFW)

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



COMMENTS FROM SITE 1A

Site 1A Roosevelt Island #2

Date: August 17, 1999

Weather Conditions: Sunny, slightly hazy

Comments: Moved across parking lot from Site 1A to gain better access for Eschostar (119). Note: Echostar (61.5) is blocked by trees.

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Data Log

Roosevelt Island 2

Rx Site No.

1AX

p1

Set:

1/

Re: Rx Condx Ref. No.

1

Date / Time:

8 / 17 / 99 14:20 EDT

Re: Tx Condx Ref. No.

1

Operator:

Adura

Data Measurements:

Across Parking Lot from 10A – move to gain better access for ESC(119).

NPTx Carrier Freq. (GHz)

12.47

Disk Filename

X

NOTE – ES(61.5) is blocked by trees.

(1) NP Signal – NPTx ON:

		Ant: DBS 1					
Power (Px)	-51.1748	TV Pix		Plot ID	1AX-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)	-67.5048	TV Pix		Plot ID	1AX-26	File Rec	X

Sat 3	ES(61.5)	Ant: NP2	Blocked by trees				
Power (Px)		TV Pix		Plot ID	1AX-20	File Rec	X

Sat 4	ES(119)	Ant: NP4					
Power (Px)	-67.0048	TV Pix		Plot ID	1AX-29	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)	-67.0048	TV Pix		Plot ID	1AX-36	File Rec	X

Sat 3	ES(61.5)	Ant: NP2					
Power (Px)		TV Pix		Plot ID	1AX-3C	File Rec	X

Sat 4	ES(119)	Ant: NP4					
Power (Px)	-66.8348	TV Pix		Plot ID	1AX-3d	File Rec	X

(4) NPTx OFF.

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Data Log

Rx Site No.

1A×

p2

Set:

1/1

Signal Strength Pointer (ssp) Data –

(2a) NPTx OFF:

Sat 1	T-											Avg:	
Sat 2	T-18	76	75	75	76	72	71	73	74	78	77	Avg:	74.7
Sat 3	T-18											Avg:	
Sat 4	T-18	87	88	86	87	88	88	87	87	88	89	Avg:	87.5

(3a) NPTx ON:

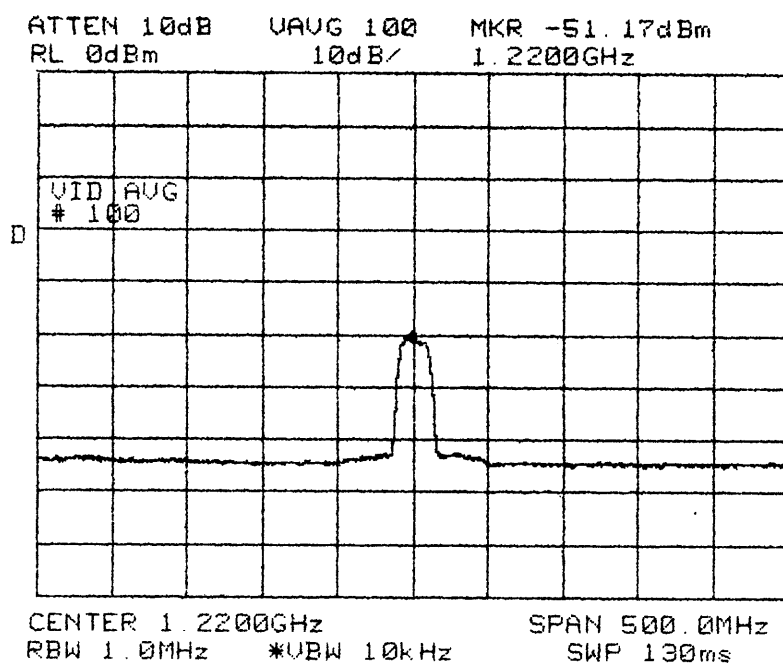
Sat 1	T-											Avg:	
Sat 2	T-18	71	70	73	72	72	71	74	71	72	71	Avg:	72.2
Sat 3	T-18											Avg:	
Sat 4	T-18	87	88	85	87	87	86	88	87	86	87	Avg:	86.8

Legend // Comments:

NPTx – Northpoint Transmitter.

Es (61.5) is blocked by trees.

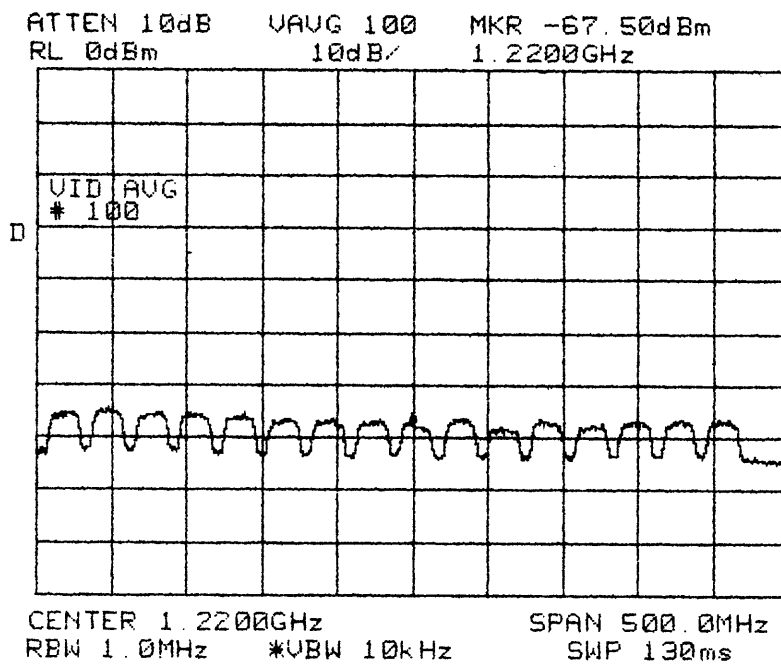
8/17/99
Adura
1AY



8/17/99

10X-26

Adler

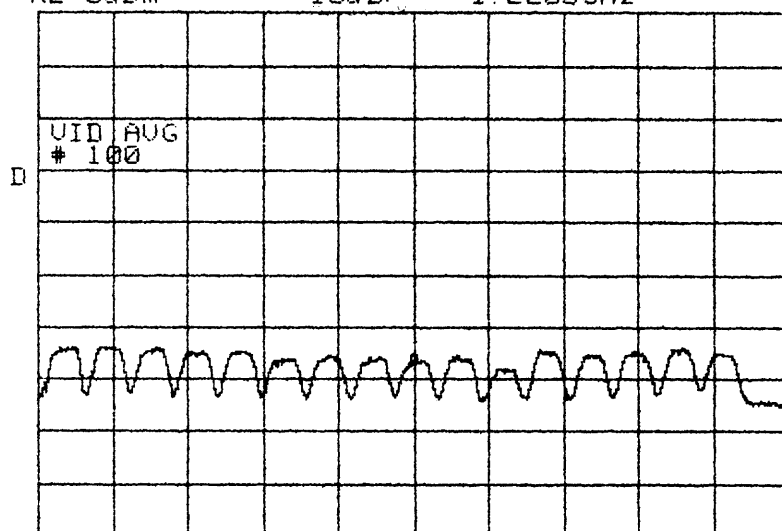


8/17/99

1AX-2d

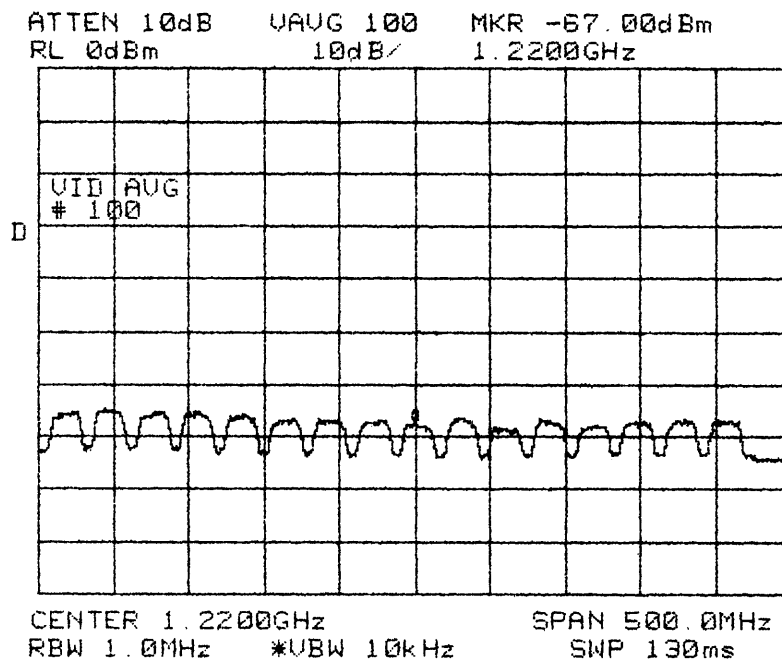
Adv

ATTEN 10dB VAUG 100 MKR -67.00dBm
RL 0dBm 10dB/ 1.2200GHz



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

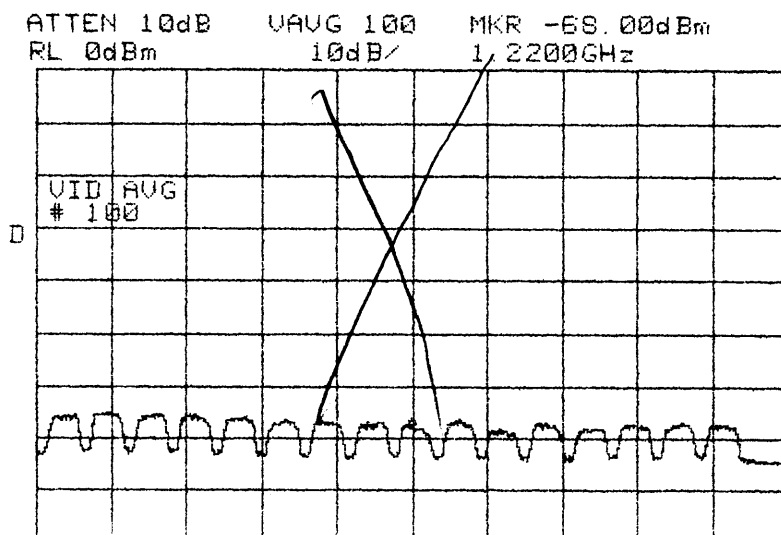
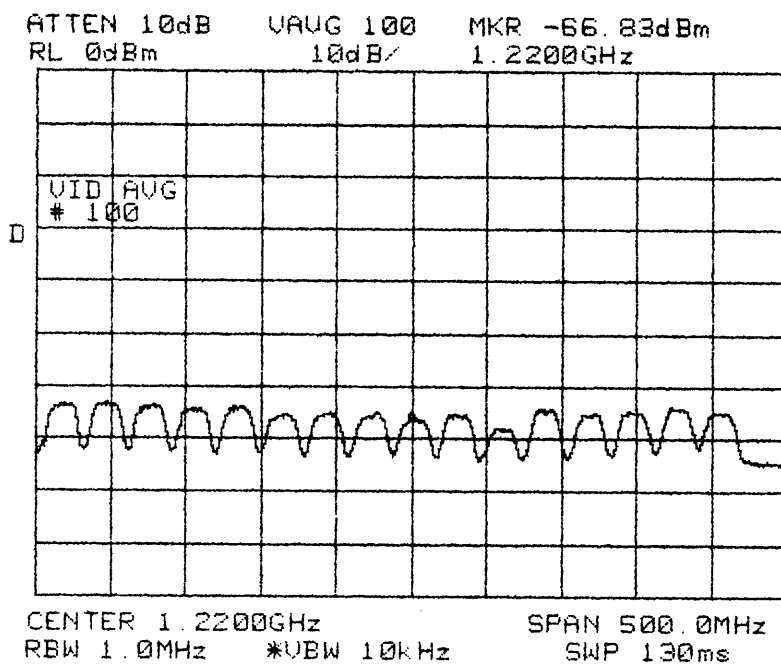
01/1/11
1Ax-3b
Adura



8/17/99

1AX-3d

Adura



Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Location Log

Rx Site No. 1A^x

p1

Set: 1/1

Site Name: T. Roosevelt Island

Date / Time: 8/17/99 2:40^{pm} EDT

Operator: Jonathan

GPS Receiver Reading at Site:

Lat: N 38 53.797

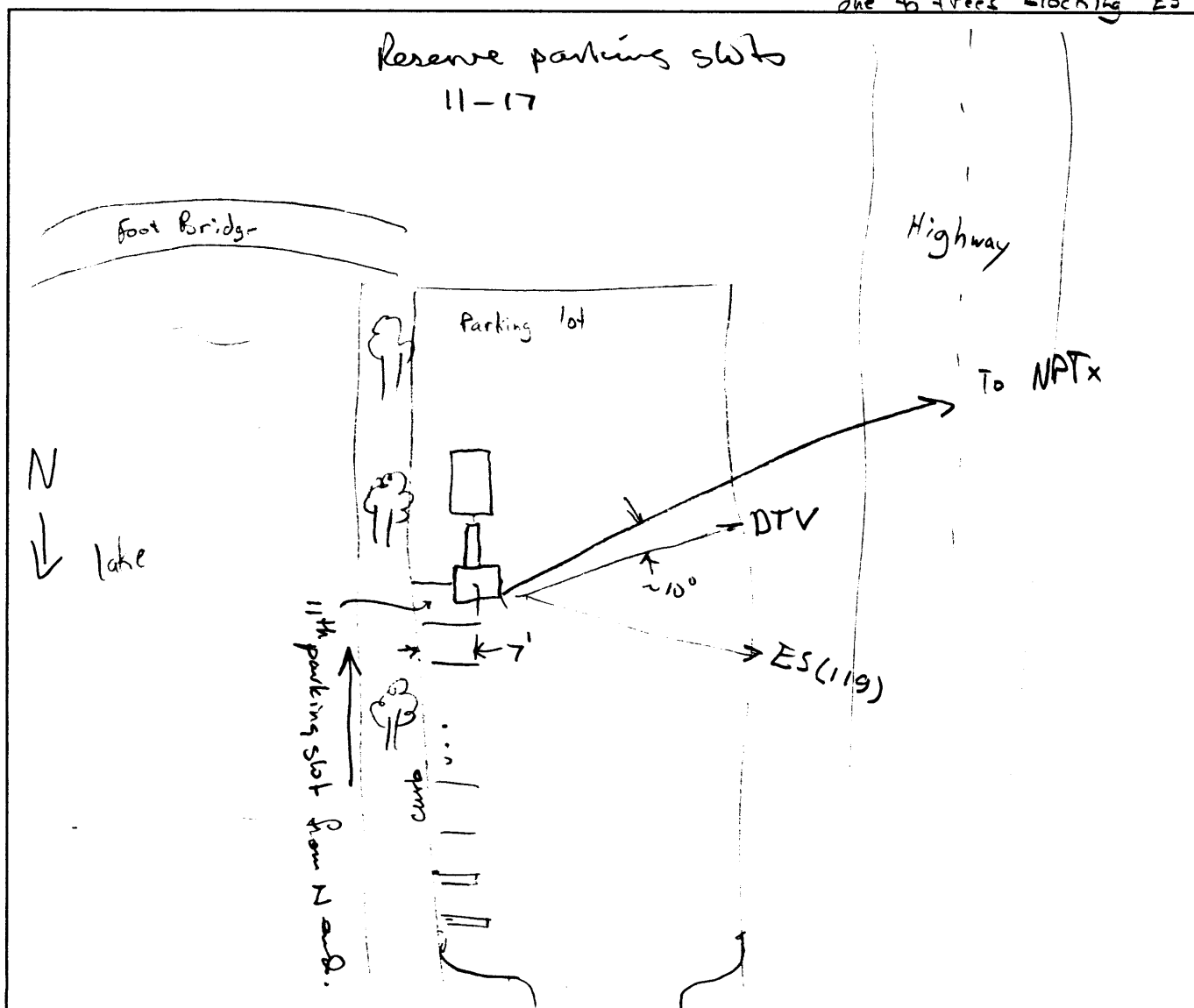
Time Read 1349 ~~EDT~~ ^{GMT}

Lon: W 077 04.002

Elev: _____

Weather: Sunny, slightly hazy, sparsely clouded (5%), cloud wisps

Map Sketch (show street reference and local benchmark features): *across the parking lot from 1A
due to trees blocking ES-119



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.

1AX

p1

Set:

1/1

Re: Rx Condx Ref. No.

1

Date / Time:

8/17/99 2:45pm EDT

Re: Tx Condx Ref. No.

1

Operator:

Jonathan

Data Measurements:

NPTx Carrier Freq. (GHz)	12.47	NTC Filename	log 8-17-99.dat
Satellite Monitored	ES-119	Transponder	T- 18

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

(Time - 12 hr)

#	Time -- EDT	Condition / Event	
1	2:46	Logging Began w/ NPTx ON	
		N/S Traffic on GW Mem. Parkway to the West of satellites at ~ 45 cars/min	each
		Weather - Sunny, hot ~ 95°, slightly cloudy (5%)	Dir:ec
	2:53:30	car turned around in parking lot in front of satellite	
	2:55:00	car turned around in parking lot	
	3:00:10	Dr. Ward walked in front of satellites	
	3:00:34	Car -> South in parking lot	
	3:00:15	Airplane overhead	
	3:02:25	2 Cars -> N	
	3:06:00	Car -> S	
	3:06:50	Car -> S	
	3:07:10	Car -> N	
	3:08:35	2 Cars -> N	
	3:11:40	Car -> S	
	3:18:47	Car -> S	
	3:19:34	Airplane	
	3:19:55	Same car -> N this time	
	3:22:10	Man walking South	
	3:22:50	Car -> N	
	3:25:50	Car -> S	
	3:28:30	Roger walked in front of satellites	
	3:30:35	Car -> S	
	3:31:47	Car -> N	
	3:32:25	Car -> S	
	3:34:04	Car -> S	
	3:34:40	Walkers -> S	
	3:35:58	Car -> S	
	3:40:14	NPTx OFF	
	4:01:54	Car -> N	
		Weather - Cloudier than earlier (40% clouds) Temp - 90-95°	
	4:03:24	Car + bike -> S	
	4:05:19	Car -> N	
	4:05:35	Bike -> N	
	4:06:00	Runner -> S	
	4:07:40	Car -> S	
	4:08:12	Car -> S	
	4:13:36	Walker -> N	

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.

LAX

pk 2

Set:

11

Re: Rx Condx Ref. No.

1

Date / Time:

8/17/99 2:45pm EDT

Re: Tx Condx Ref. No.

1

Operator:

Jonathan

Data Measurements:

NPTx Carrier Freq. (GHz)	12.47	NTC Filename	log 8-17-99.dat
Satellite Monitored	ES-119	Transponder	T- 18

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

#	Time -- EDT	Condition / Event
PM 3:49:35		Car → N
51:03		Car → N
52:01		2 Bikes → N
:15		Car → N
		Weather - Clouds are breaking up - 20% Clouds
34:40		Akin walked in front of satellites
1:58		Norman walked in front of satellites
56:30		Norman " " again
1:53		2 Walkers → N
58:52		Walker → N
4:02:33		Akin walked in front
3:32		Walker → N
9:40		2 Cars → S
12:03		Car and 2 Walkers → S
15:20		Tow truck stopped in front of dish + parked
20:36		Tow truck moved out of the way
21:43		Car → N @ Weather - Blue sky w/ almost no clouds, slightly hazy
25:02		Bike → N
29:36		Akin walked in front
31:40		Car → N
32:32		Walker → S
36:00		Bike → N
36:20		Car → S
:43		Car → N
37:08		Car → S
38:30		Car → S
39:00		Bike → N
41:14		Car → S
43:00		End of Logging