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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

Angostia Park

Rx Site No.

19

p1

Set:

1/1

Re: Rx Condx Ref. No.

1

Date / Time:

08/16/97

EDT

Re: Tx Condx Ref. No.

1

Operator:

JPW / A. duna

Data Measurements:

NPTx Carrier Freq. (GHz) 12.47

Disk Filename

X

(1) NP Signal – NPTx ON:

NP Ant: DBS 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

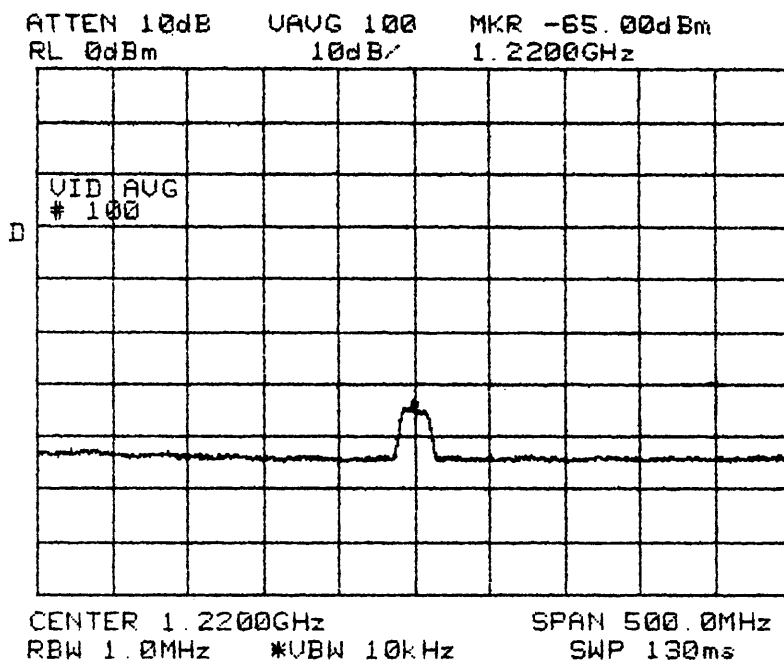
(4) NPTx OFF.

08/16/99

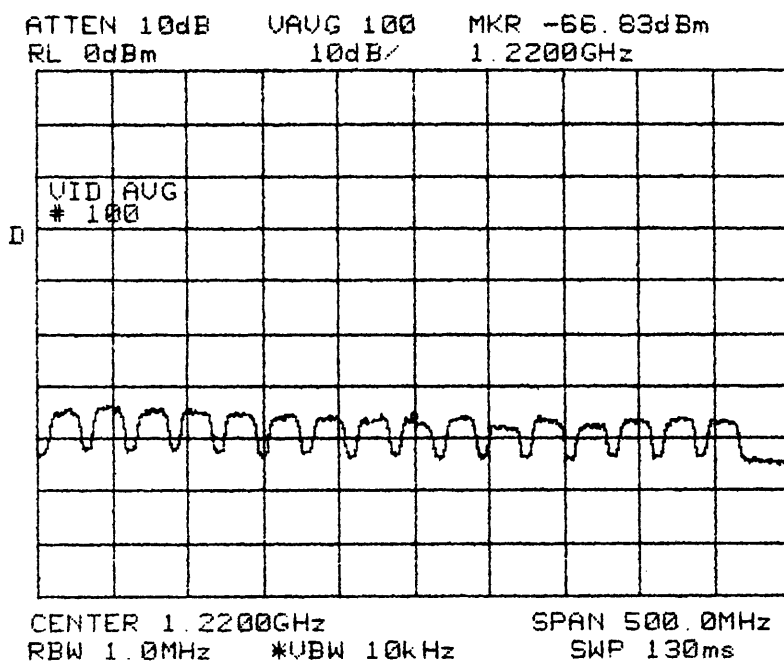
19-1

Adura

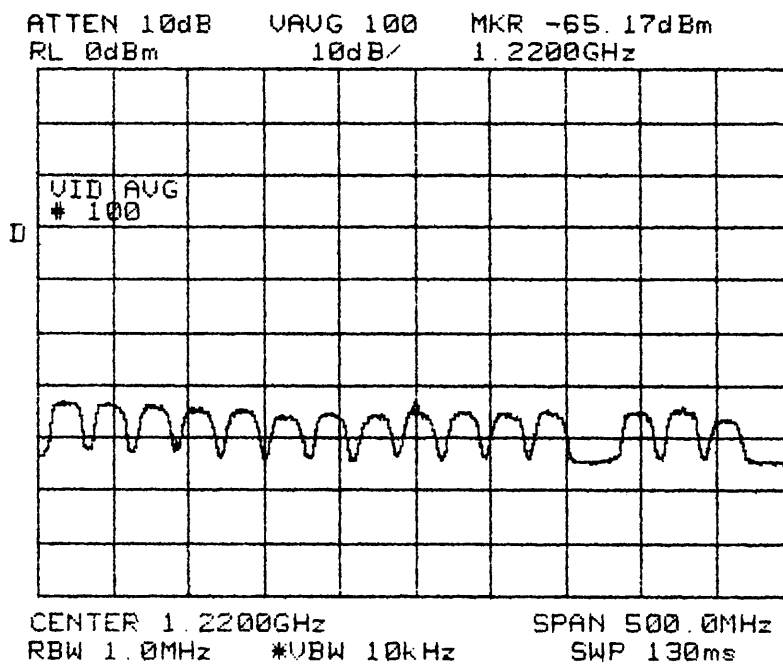
NPTX



08/16/99
19-26 found



8/16/99
19-2C
Adum



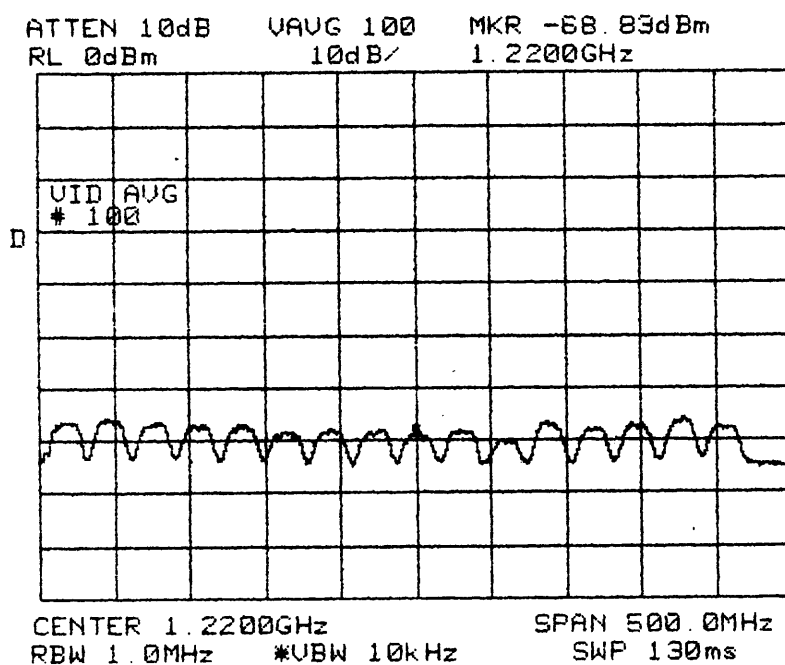
08/16/99

19-2d

Adura

ES (119)

NP Tx OFF

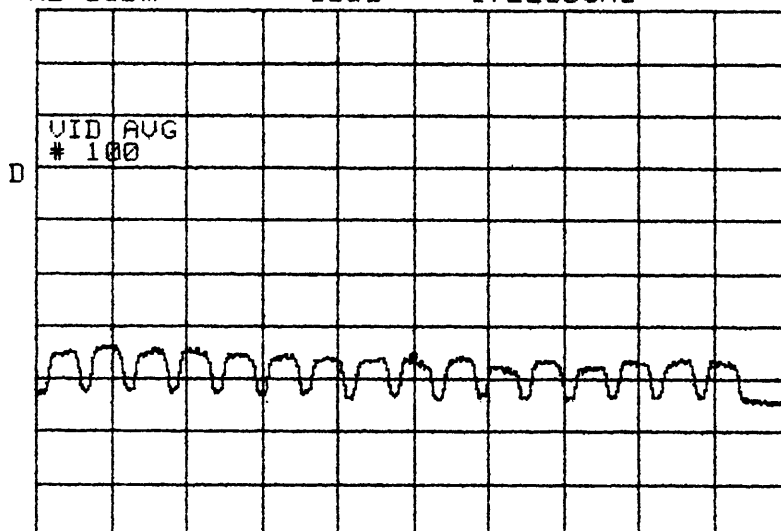


8/16/99

19-86

Adura

ATTEN 10dB VAUG 100 MKR -66.83dBm
RL 0dBm 10dB/ 1.2200GHz

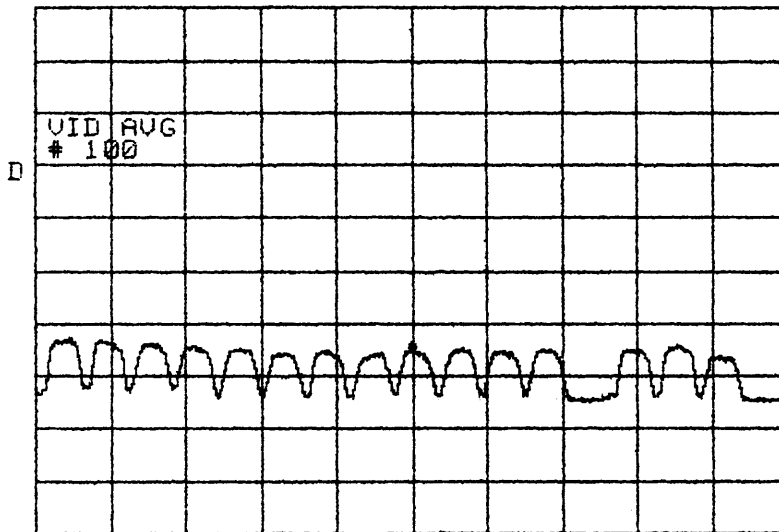


CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *VBW 10kHz SWP 130ms

08/16/99

Adura
19-3C

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

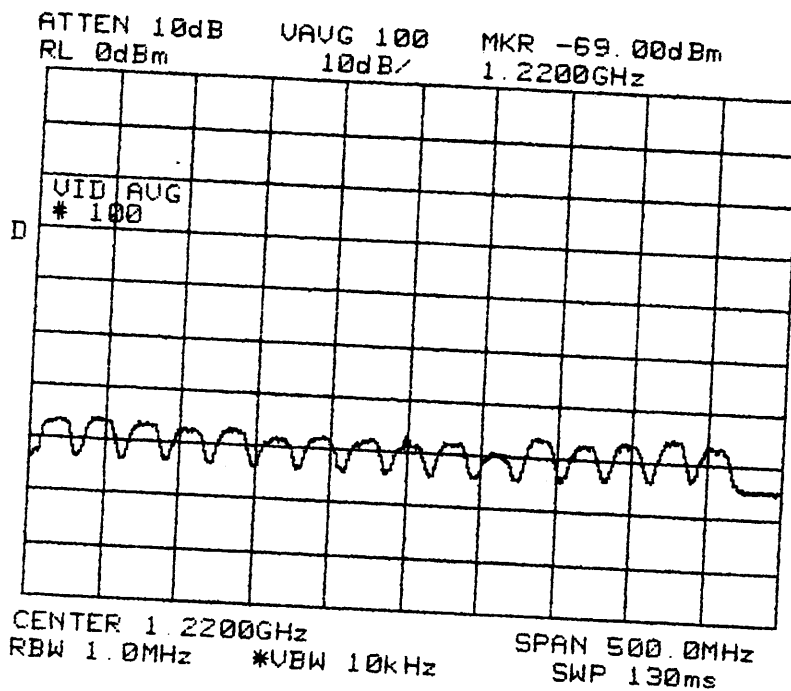


CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *VBW 10kHz SWP 130ms

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 / 1

Site Name:

Date / Time:

8/16/99 13:00 EDT

Anacostia Park

Operator:

Don

GPS Receiver Reading at Site:

Lat: N 38° 52.093'

Time Read 18:16:35 EDT

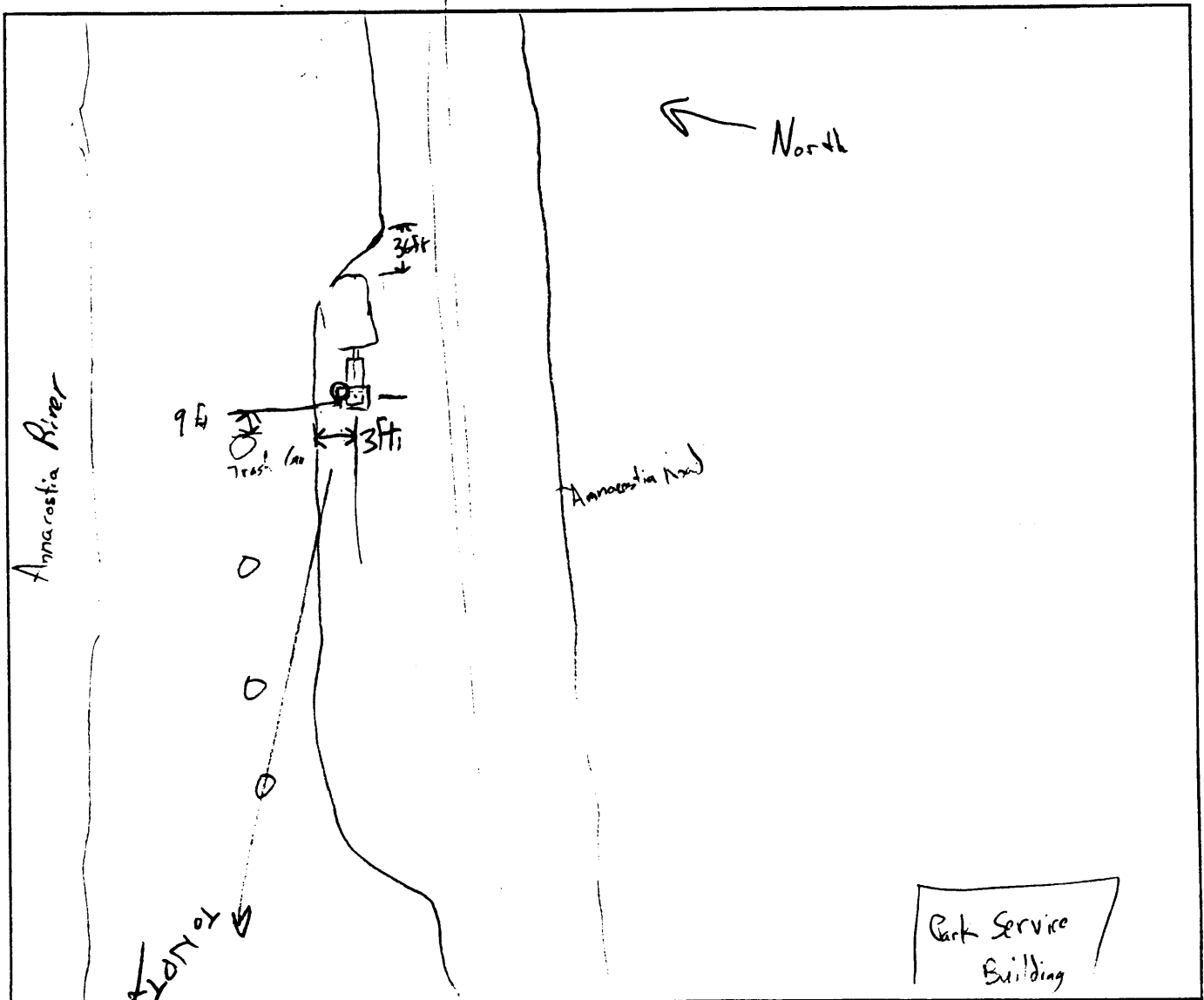
Lon: W 76° 59.85'

Elev:

27

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

p2

Set:

11

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.

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Data Log

Anacostia Park

Rx Site No.

19

p2 a

Set:

1/1

Signal Strength Pointer (ssp) Data –

LNB off 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 p1

Set: 1/1

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 → SW
	1:40	1 car → W
	11:31	1 car → E
	12:32	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 Compatibility 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:

8/9/99 14:50 EDT

Re: Tx Condx Ref. No.

Operator:

Adura

Data Measurements:

NPTx Carrier Freq. (GHz) 12.47

Disk Filename

(1) NP Signal – NPTx ON:

Ant: NP

Power (Px) -61.83dB

TV Pix

Plot ID 20-1

File Rec

-62.33dB

(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) -65.00dB

TV Pix

Plot ID 20-2b

File Rec

Sat 3 ES (61.5) Ant:

Power (Px) -66.17dB

TV Pix

Plot ID 20-2c

File Rec

Sat 4 ES (119) Ant:

Power (Px) -63.83dB

TV Pix

Plot ID 20-2d

File Rec

(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:

Power (Px) -64.50dB

TV Pix

Plot ID 20-3b

File Rec

Sat 3 ES (61.5) Ant:

Power (Px) -66.54dB

TV Pix

Plot ID 20-3c

File Rec

Sat 4 ES (119) Ant:

Power (Px) -63.83dB

TV Pix

Plot ID 20-3d

File Rec

(4) NPTx OFF.

Northpoint Technology – DBS Compatibility 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

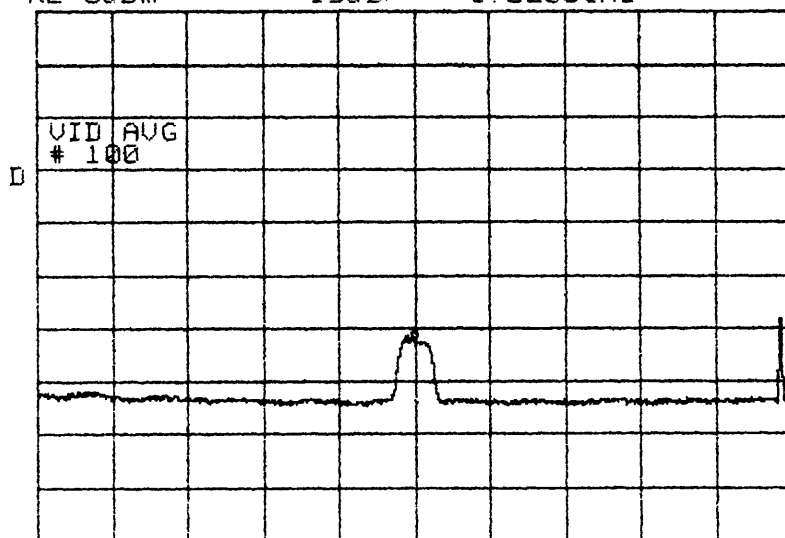
Legend // Comments:

NPTx – Northpoint Transmitter.

Power
8/9/99

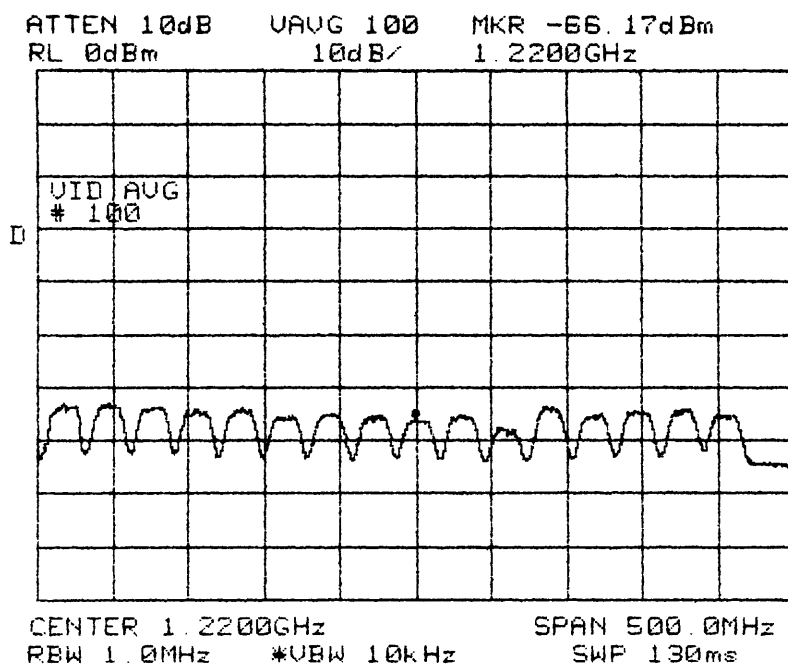
20-1

ATTEN 10dB VAUG 100 MKR -62.33dBm
RL 0dBm 10dB/ 1.2200GHz



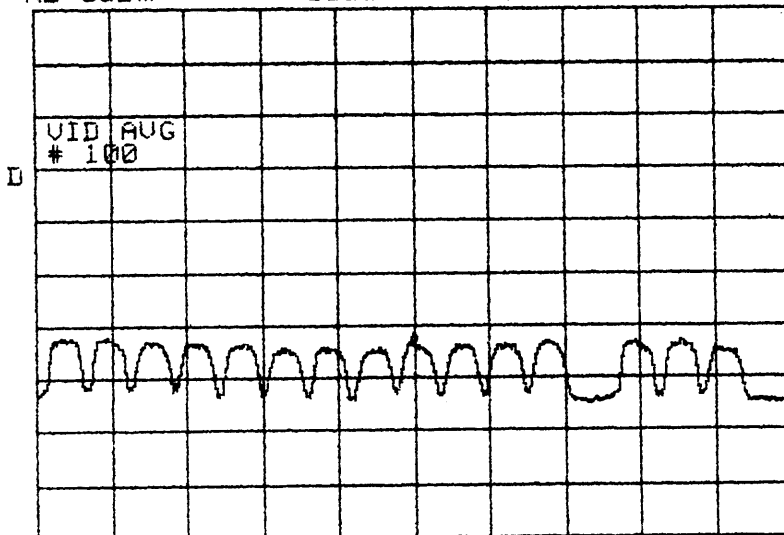
CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *VBW 10kHz SWP 130ms

Adura
08/09/99



20-2c

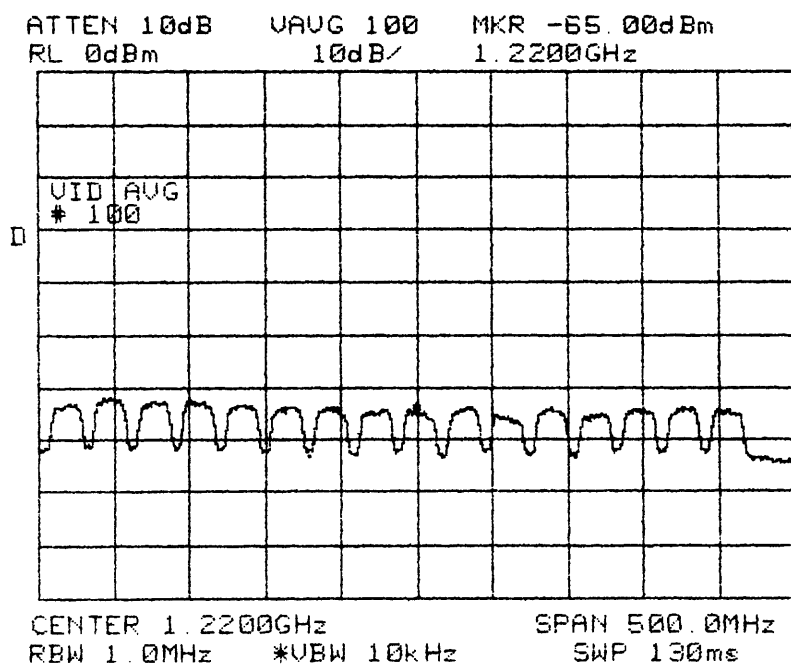
ATTEN 10dB UAUG 100 MKR -63.67dBm
RL 0dBm 10dB/ 1.2200GHz



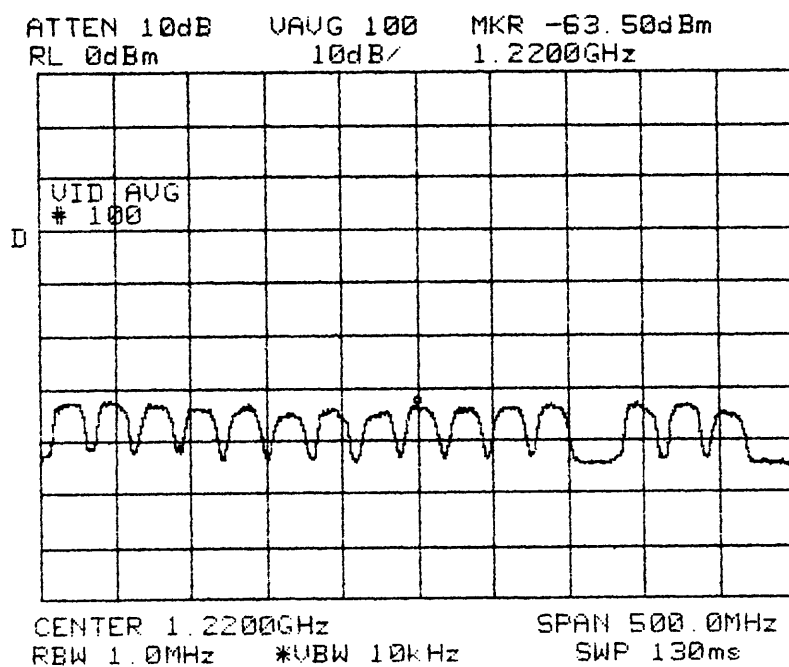
CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *VBW 10kHz SWP 130ms

20-2d

Adura
8/9/99
20-20

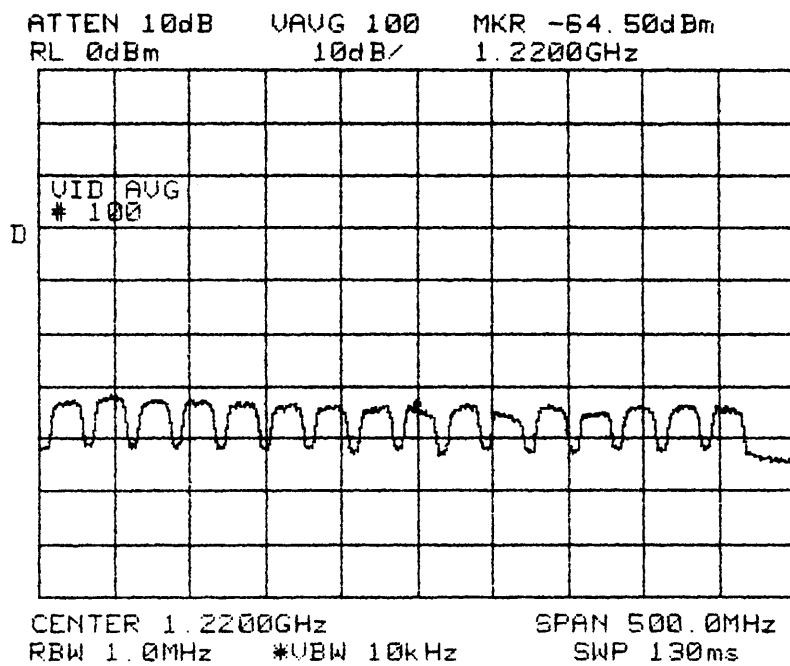


Adura
8/9/99
20-2d



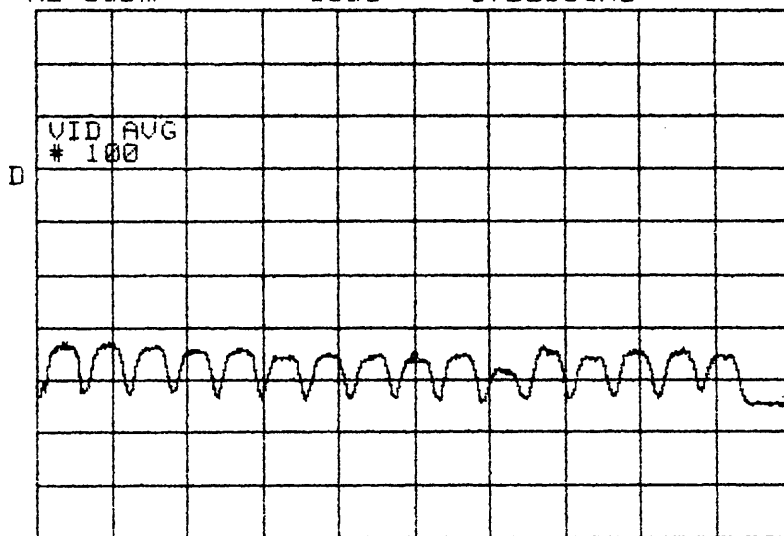
8/7/79 HAWK

20-36

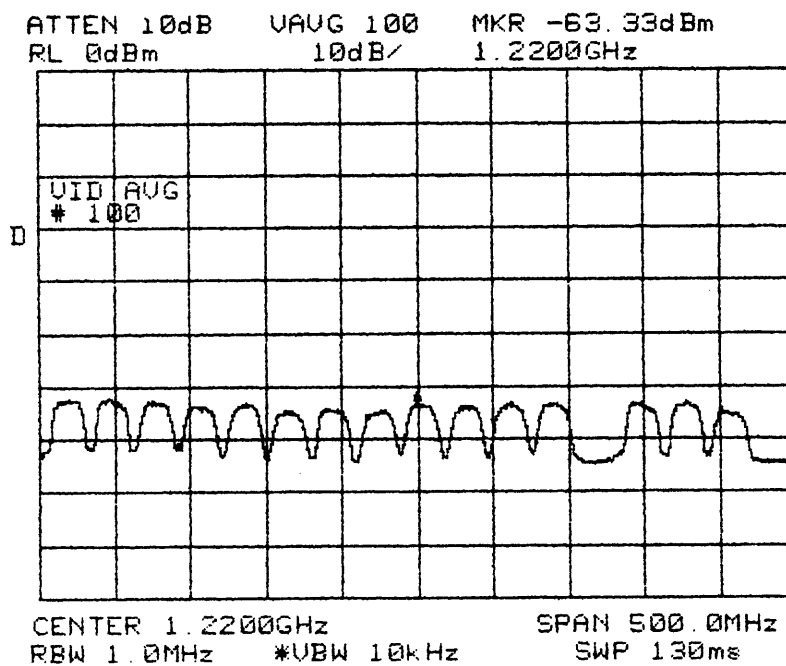


20-3c Arduino
8/9/99

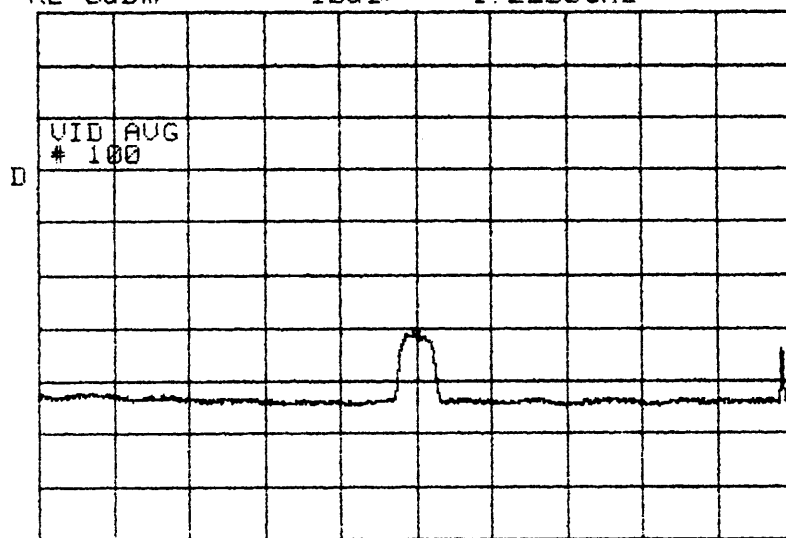
ATTEN 10dB VAUG 100 MKR -66.50dBm
RL 0dBm 10dB/ 1.2200GHz



8/9/11
20-3a



ATTEN 10dB UAUG 100 MKR -61.83dBm
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.

20

p1

Set:

1/1

Site Name:

Date / Time:

8/19/99 15:50 EDT

St. Elizabeths

Operator:

Am

GPS Receiver Reading at Site:

Time Read 1958 GMT

GMT

EDT

Lat: N 38° 51.466'

Lon: W 076° 59.946'

Elev: 123

8/16/99 Qc
confirmed OKWeather: clear
~ 50°F

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

