

COMMENTS FROM SITE 7

Site 7 Arlington Cemetery

Date: August 23, 1999

Weather Conditions: Partly cloudy; mild breeze; Temp 85-90°

Comments:

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Repeat *

Rx Site Data Log

Arlington Cen.

Rx Site No.

7

p1

Set:

5'1

Re: Rx Condx Ref. No.

1

Date / Time:

8/23/99 13:30 EDT

Re: Tx Condx Ref. No.

1

Operator:

Aclura

Data Measurements: * special ssp test - with & without splitter in det.

NPTx Carrier Freq. (GHz) 12.47

Disk Filename X

(1) NP Signal – NPTx ON: Max value obtained as antenna signal was picked carefully.

NP _s	Ant: DBS1	Plot ID	File Rec
Power (Px) -51.17dB	TV Pix ok	7-1	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: NP3	Plot ID	File Rec
Power (Px) -66.17dB	TV Pix		7-2b	X

Sat 3	ES (61.5)	Ant: NP2	Plot ID	File Rec
Power (Px) -65.83dB	TV Pix		7-2c	X

Sat 4	ES (119)	Ant: NP4	Plot ID	File Rec
Power (Px) -67.67dB	TV Pix		7-2d	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: NP3	Plot ID	File Rec
Power (Px) -66.50dB	TV Pix		7-3b	X

Sat 3	ES (61.5)	Ant: NP2	Plot ID	File Rec
Power (Px) -66.33dB	TV Pix		7-3c	X

Sat 4	ES (119)	Ant: NP4	Plot ID	File Rec
Power (Px) -67.50dB	TV Pix		7-3d	X

(4) NPTx OFF.

Northpoint Technology – DBS Compatiblilty Test – Washington DC Area

Rx Site Data Log

Rx Site No.

7

p2

Set:

1

Signal Strength Pointer (ssp) Data –

(2a) NPTx OFF:

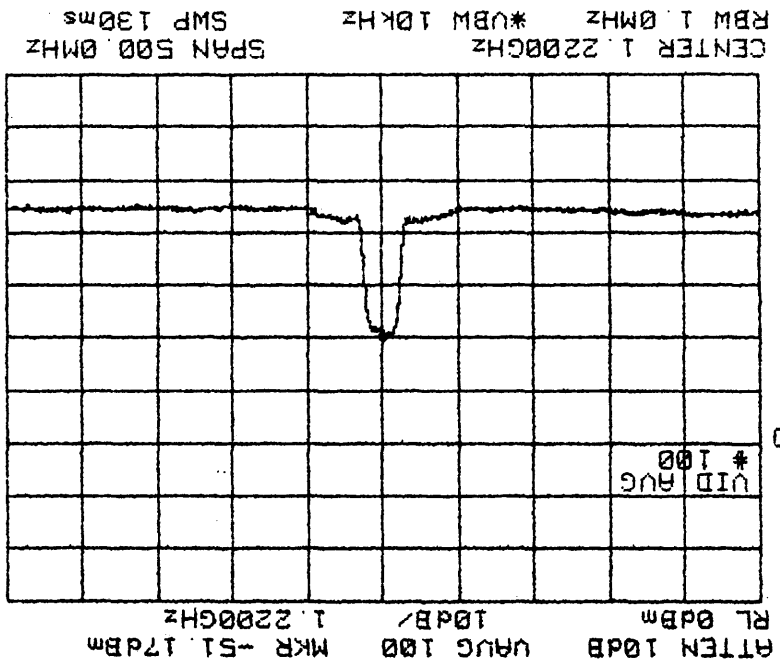
Sat 1	T-											Avg:	
Sat 2	T-18	81	78	83	79	82	85	83	84	76	78	Avg:	80.6
Sat 3	T-18	95	95	95	95	96	96	95	96	95	96	Avg:	95.4
Sat 4	T-18	89	90	89	89	89	89	89	90	89	89	Avg:	89.2

(3a) NPTx ON:

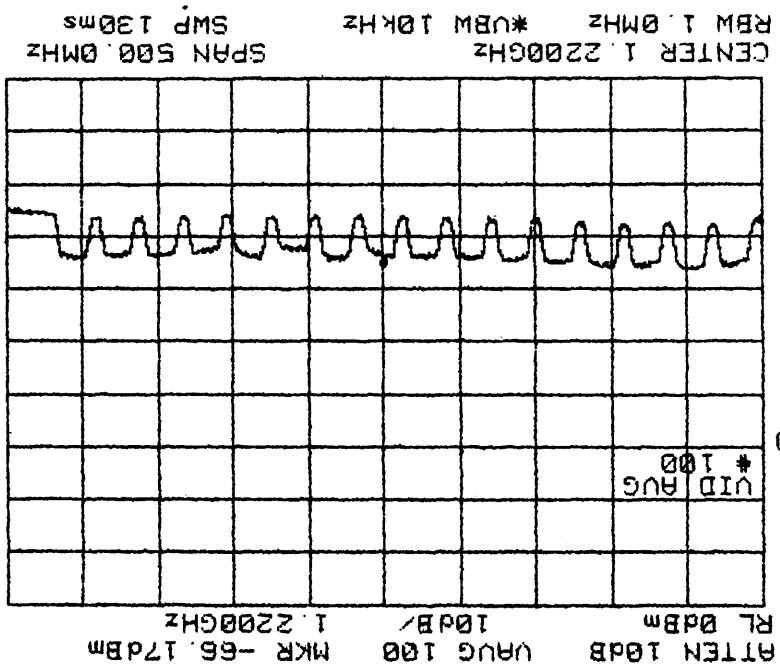
Sat 1	T-											Avg:	
Sat 2	T-18	80	82	79	82	81	78	79	81	84	80	Avg:	80.7
Sat 3	T-18	95	96	96	96	97	95	96	96	96	95	Avg:	95.7
Sat 4	T-18	89	89	89	89	88	89	89	89	88	88	Avg:	88.7

Legend // Comments:

NPTx – Northpoint Transmitter.



empty
 7-1
 8/23/99



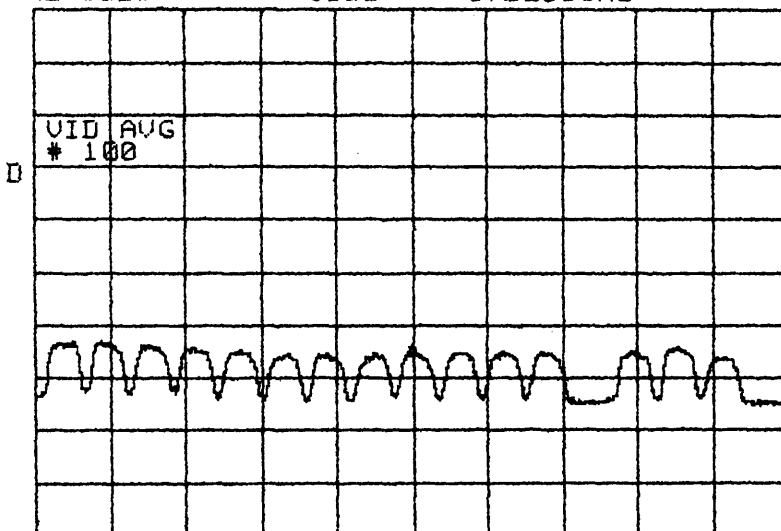
8/23/99
 7-26
 Avura

8/23/99

7-2c

Adura

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

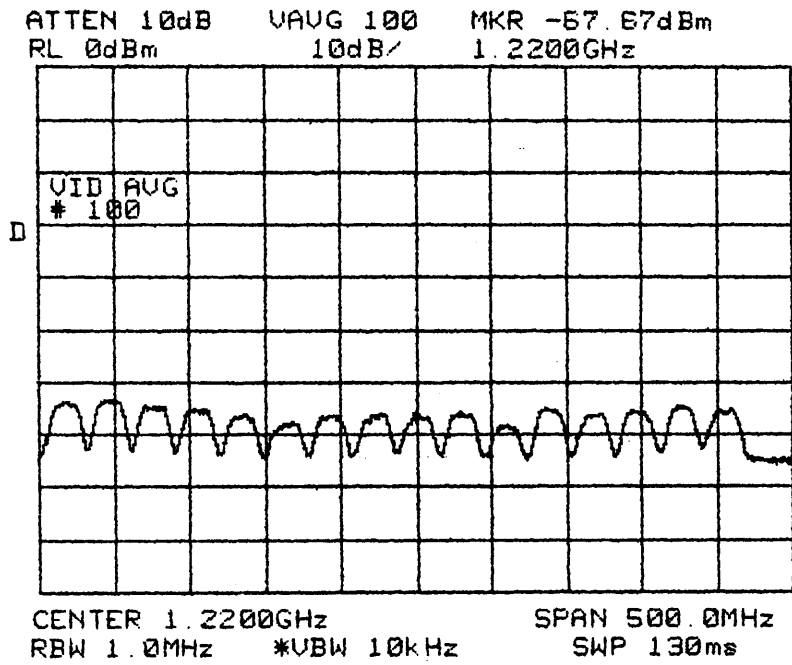


CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *VBW 10kHz SWP 130ms

8/23/99

7-2d

Adura

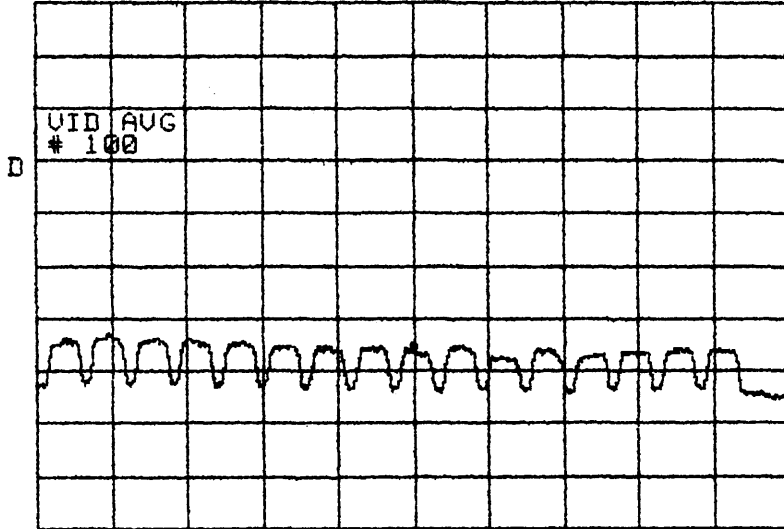


8/23/99

7-3b

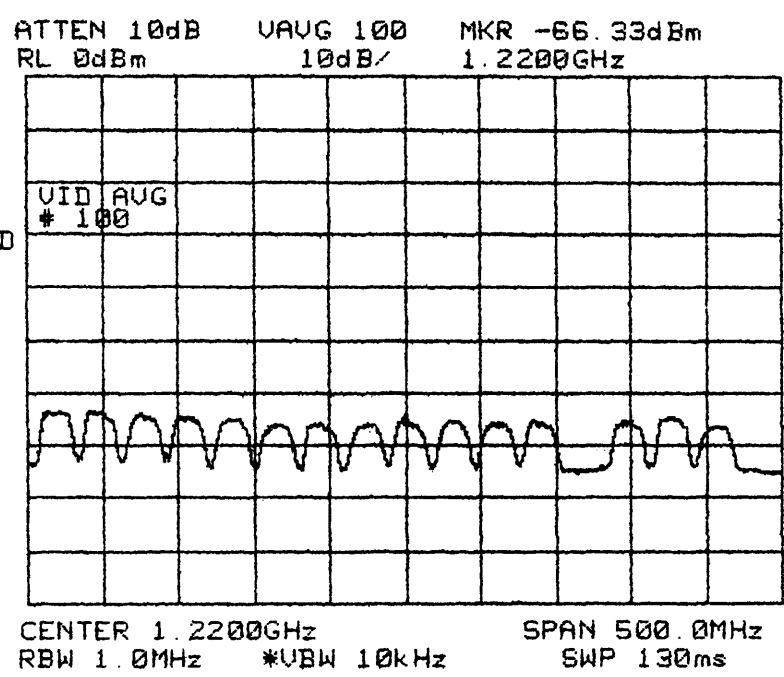
Adura

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

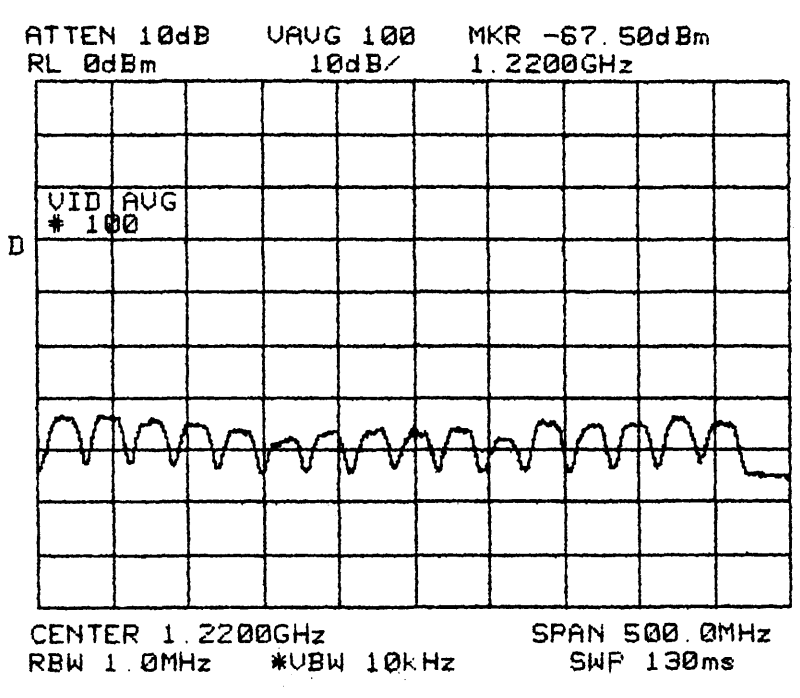


CENTER 1.2200GHz SPAN 500.0MHz
RBW 1.0MHz *VBW 10kHz SWP 130ms

8/23/99
7-3C
Adura



8/23/99
7-3d
A₂ a



~~Northpoint~~ Northpoint Technology - DBS Compatibility Test - Washington DC Area

repeat

Rx Site Condx/Event Log -- BER Data

Rx Site No. 7 p1

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

Arlington Cam.

Set: 1

Re: Rx Condx Ref. No. 1

Date / Time: 8/23/99 17:30 EDT

Re: Tx Condx Ref. No. 1

Operator: Dw

Data Measurements:

NPTx Carrier Freq. (GHz)	12.47	NTC Filename	log 8-23-99.dat
Satellite Monitored	ES 119	Transponder	T- 13

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

Note - this is just a short run w/ newest software version *

#	Time - EDT	Condition / Event
	17:34	NPTx ^(on) (shortly ago) - wx: PE; variable HV overcast; 85-90%.
	17:39:30	large plane to west,
	17:40:30	" " going down River to land. ≠
	17:42:50	" " "
	17:43:30	wx: Sky ~ 60-70% clouds.
	45:27	Salem drove in in Van.
	47:43	large plane → down River, landing.
	50:02	" " "
	50:30	" " to west.
	51:15	" " → down River, landing
		WA probably missed a plane on tower / talking w/ Salem.
	18:01:35	" " " "
	18:02:19	NPTx - OFF
	18:03:59	Transport plane → south over head, landing approach.
	18:08:30	plane → down River, landing.
	18:10:36	" " "
	18:12:55	" " "
	18:14:16	" " "
	18:16:20	" " "
	18:20:20	small " (jet) " "
	18:23:15	NPTx ON - For Salem tests -
	18:24:00	Stop NTC logging ←
		≠ planes logged at points " down East or west.

* primary purpose of this session was to get special SSP data w/ of what system - new version of ntc software was avail of this is a short test to see if it works.

Northpoint Technology – DBS Compatibility Test – Washington DC Area

Rx Site Location Log

Rx Site No.

7

p1

Repeat

Set:

1

Site Name:

Date / Time:

8/23/99 13:30 EDT

Arlington Cemetery

Operator:

AW

GPS Receiver Reading at Site:

Lat: see prev. logs

Time Read _____ EDT

Lon: _____

Elev: _____

Weather:

9

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

→ WX condx — PC ; mild breeze ; ~ 85-90°F

Fairly Heavy Overcast, with variable percent of clear sky during the day;

clouds are generally thick cumulus with blue / grey bottoms

Some haze