

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-14-2004 Time: 13:14:33

Record Selected for Analysis

NEW6+ USERRECORD-01 SOMEWHERE NY US
 Channel 06 ERP 3. kW HAAT 213. m RCAMSL 00213 m
 Latitude 040-44-50 Longitude 0073-56-38
 Status APP Zone 1 Border Offset +
 Dir Antenna Make CDB Model 00000000080012 Beam tilt N Ref Azimuth 0.

Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	62.0 dBu F(50,50) (km)
0.0	2.595	194.3	28.3
45.0	0.072	208.8	12.3
90.0	0.607	196.9	20.4
135.0	2.679	198.4	28.8
180.0	0.188	201.2	15.2
225.0	0.000	212.9	2.2
270.0	0.000	203.7	2.2
315.0	0.811	199.4	22.0

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Station inside contour of station

WNYW 5 NEW YORK NY BLCT 19800328KE

Station inside contour of station

WNYW 5 NEW YORK NY BPCT 20040304ACO

Station inside contour of station

WNYW 5 NEW YORK1 NY BXPCT 20040304ACT

Contour overlap to station

WEDY 6 NEW HAVEN CT BMPEDT 20020305AAU

Contour overlap to station

WLNE-TV 6 NEW BEDFORD MA BLCT 19920604KF

Contour overlap to station

WRGB 6 SCHENECTADY NY BLCT 2492

Contour overlap to station

WPVI-TV 6 PHILADELPHIA PA BLCT 2282

EXHIBIT 2-1

WNYZ-LP Channel 49

New York, NY 7/29/04

V-Soft Communications Population Report

WNYW.A (05+) New York, NY - BPCT20040304ACO

TV Incoming Interference Study

Signal Resolution: 1 km

Consider NTSC Taboo: Yes

KWX error points are considered as possible interference points.

of radials computed for contours: 36

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 0.1 km

Interference considered within the reference station's noise limited contour.

Using NTSC lptv/translators D/U rules.

Threshold for reception: 47.0

Study Date: 7/14/2004

TV Database Date: 07-06-04

Population Database: 1990 US Census

Percentages calculated using a baseline population of 18,045,009.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WEDY-D.C (06)	181	498	0.003	0.92
WTTG (05-)	169963	436078	2.417	1740.29
WCVBTV (05-)	143427	392057	2.173	1835.43
WTVH (05-)	27681	73171	0.405	645.88
WTVH.C (05+)	30884	81823	0.453	708.45
WPVITV (06-)	178645	481630	2.669	1520.58

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WEDY-D.C (06)	498	0.003	0	0.000
WTTG (05-)	436078	2.417	97087	0.538
WCVBTV (05-)	392057	2.173	378931	2.100
WTVH (05-)	73171	0.405	0	0.000
WTVH.C (05+)	81823	0.453	5126	0.028
WPVITV (06-)	481630	2.669	147431	0.817

Stations considered which do not cause interference:

Trial 6 040713 version (6+)

Stations which were not considered:

WNYW (05+)

Call Letters	City	State	Dist	Bear
WEDY-D.C (06)	New Haven	CT	111.3	54.3
WTTG (05-)	Washington	DC	331.3	234.1
WCVBTV (05-)	Boston	MA	287.6	52.0
WTVH (05-)	Syracuse	NY	301.9	325.0
WNYW (05+)	New York	NY	4.7	209.9
WTVH.C (05+)	Syracuse	NY	301.9	325.0
WPVITV (06-)	Philadelphia	PA	132.1	234.1
Trial 6 040713 version (6+) NY			NY	3.6 92.0

Totals for WNYW.A (05+)

Calculation Area Population:	18,641,622	(31698.7 sq. km)
Not Affected by Terrain Loss:	18,045,009	(27375.2 sq. km)
Total NTSC Interference:	1,037,156	(4500.4 sq. km)
DTV Only Interference:	0	(-0.0 sq. km)
Total DTV Interference:	498	(0.9 sq. km)
Interfered Population:	1,037,156	(4500.4 sq. km)
Interference Free:	17,007,853	(22874.8 sq. km)

Percent Interference: 5.75

Terrain Blocked Population: 596,613 (4323.5 sq. km)

Contour Area Population: 18,637,229

EXHIBIT 2-2

WNYZ-LP Channel 49

New York, NY 7/29/04

V-Soft Communications Population Report**WNYW.A (05+) New York, NY - EXPC20040304ACT**

TV Incoming Interference Study

Signal Resolution: 1 km

Consider NTSC Taboo: Yes

KWK error points are considered as

possible interference points.

of radials computed for contours: 36

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 0.1 km

Interference considered within the
reference station's noise limited contour.

Using NTSC lptv/translators D/U rules.

Threshold for reception: 47.0

Study Date: 7/14/2004

TV Database Date: 07-06-04

Population Database: 1990 US Census

Percentages calculated using a baseline population of 17,987,286.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WEDY-D.C (06)	473	1151	0.006	0.92
WTTG (05-)	174359	438883	2.440	1772.36
WCVBTV (05-)	149065	411362	2.287	1927.91
WTVH (05-)	25379	67972	0.378	605.50
WTVH.C (05+)	29955	79678	0.443	668.02
WPVITV (06-)	176160	475156	2.642	1504.61

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WEDY-D.C (06)	1151	0.006	0	0.000
WTTG (05-)	438883	2.440	107432	0.597
WCVBTV (05-)	411362	2.287	394884	2.195
WTVH (05-)	67972	0.378	0	0.000
WTVH.C (05+)	79678	0.443	9754	0.054
WPVITV (06-)	475156	2.642	147576	0.820

Stations considered which do not cause interference:**Trial 6 040713 version (6+)****Stations which were not considered:**

WNYW (05+)

Call Letters	City	State	Dist	Bear		
WEDY-D.C (06)	New Haven	CT	111.3	54.3		
WTTG (05-)	Washington	DC	331.3	234.1		
WCVBTV (05-)	Boston	MA	287.6	52.0		
WTVH (05-)	Syracuse	NY	301.9	325.0		
WNYW (05+)	New York	NY	4.7	209.9		
WTVH.C (05+)	Syracuse	NY	301.9	325.0		
WPVITV (06-)	Philadelphia	PA	132.1	234.1		
Trial 6 040713 version (6+)	NY				NY	3.6 92.0

Totals for WNYW.A (05+)

Calculation Area Population:	18,636,957	(31667.8 sq. km)
Not Affected by Terrain Loss:	17,987,286	(27106.3 sq. km)
Total NTSC Interference:	1,055,247	(4572.4 sq. km)
DTV Only Interference:	0	(-0.0 sq. km)
Total DTV Interference:	1,151	(0.9 sq. km)
Interfered Population:	1,055,247	(4572.3 sq. km)
Interference Free:	16,932,039	(22534.0 sq. km)

Percent Interference: 5.87

Terrain Blocked Population: 649,671 (4561.4 sq. km)

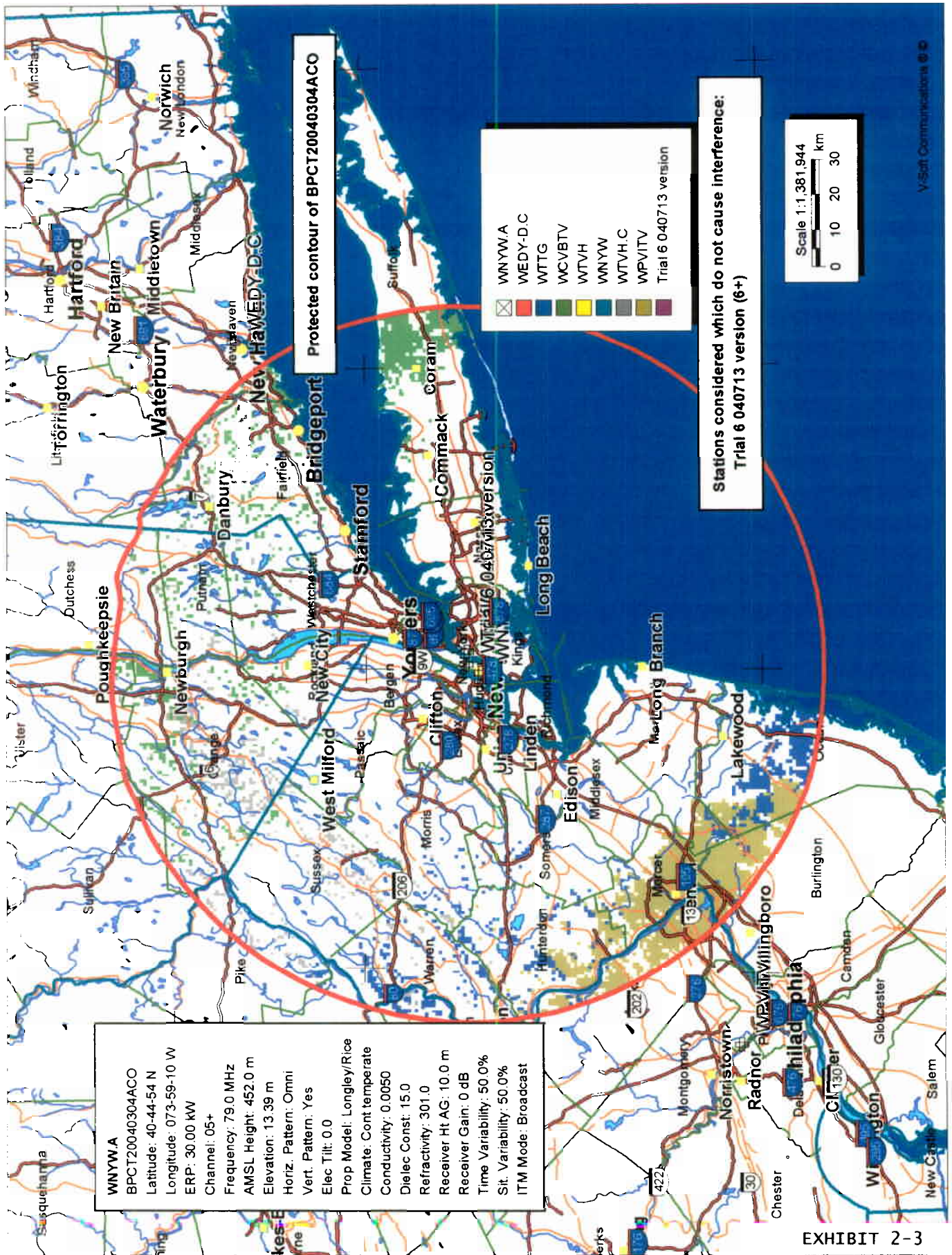
Contour Area Population: 18,633,645

EXHIBIT 2-2

WNYZ-LP Channel 49

New York, NY 7/29/04

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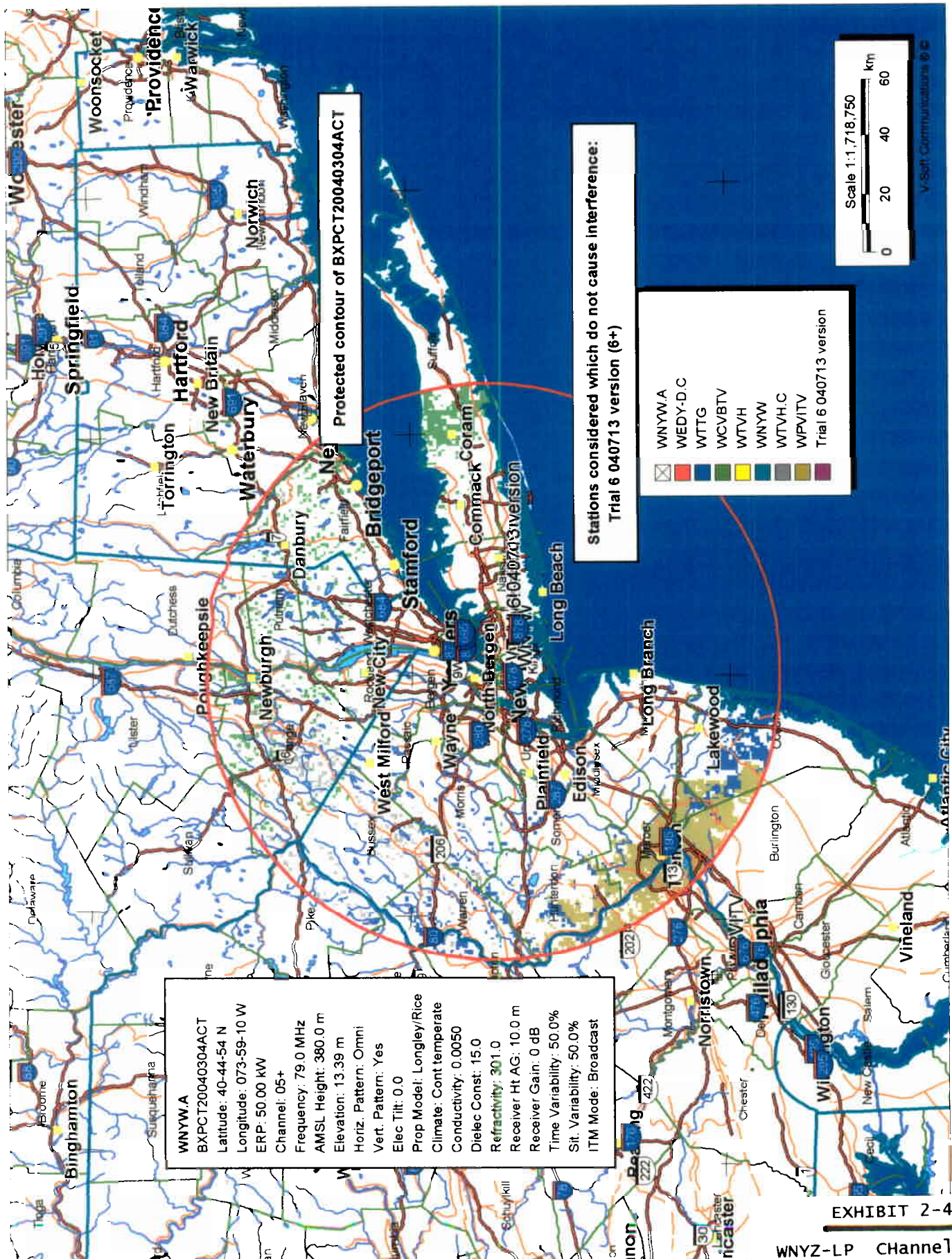


EXHIBIT 2-4

WNYZ-LP Channel 49
 New York, NY 7/29/04