

LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Summary of Waiver Requests

The proposed operation on Channel N51 of LPTV Station WDMR-LP, Springfield, Massachusetts, would result in overlaps of its applicable interfering contours with the protected contours of three full-service NTSC television, three Digital Television, and three Low Power Television / TV Translator stations. As summarized in the results of the OET-69 terrain-sensitive interference analysis, no significant additional interference is expected to any station. Waiver of Sections 74.705, 74.706, and 74.707 is respectfully requested, as appropriate, for the following stations:

NTSC (Full Service): WSBE-TV, Channel N36, Providence, Rhode Island; WNYA, Channel N51, Pittsfield, Massachusetts, and WPXT, Channel N51, Portland, Maine.

DTV: WJAR-DT, Channel D51, Providence, Rhode Island, WNJN-DT, Channel D51, Montclair, New Jersey, and WEDW-DT, Channel D52, Bridgeport, Connecticut.

LPTV: WRDM-LP, Channel N50, Hartford, Connecticut, W51AE, Channel N51, Adams, Massachusetts, and W51BZ, Channel N51, New Haven, Connecticut.

Applicable Results of OET-69 Analysis

tv_process Date: 07-07-2003 Time: 17:08:49

Record Selected for Analysis

WDMR-LP USERRECORD-01 SPRINGFIELD MA US
Channel 51 ERP 150. kW HAAT 192. m RCAMSL 00232 m
Latitude 042-05-07 Longitude 0072-42-12
Status APP Zone 1 Border Offset Z
Dir Antenna Make CDB Model 00000000019136 Beam tilt N Ref Azimuth 100.

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Maximum height/power limits not checked

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	105.840	147.5	30.8
45.0	128.344	180.0	34.3
90.0	47.040	187.7	28.9
135.0	75.615	191.8	31.9
180.0	144.060	172.9	34.6
225.0	39.784	142.6	24.9
270.0	19.440	69.1	14.1
315.0	10.935	125.8	16.9



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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
51	WDMR-LP	SPRINGFIELD MA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	WSBE-TV	PROVIDENCE RI	106.4	LIC	BLET	-19860926KP
48	WYDN	WORCESTER MA	70.7	LIC	BLET	-20001226AAM
49	WEDW	BRIDGEPORT CT	98.2	LIC	BLET	-19870908KE
50	WRDM-LP	HARTFORD CT	33.0	APP	BPTTA	-20021118AAJ
50	WNDS	DERRY NH	129.5	LIC	BLCT	-19831012KG
51	WNYA	PITTSFIELD MA	68.5	CP	BNPCT	-20020320ABU
51	960724LI	PITTSFIELD MA	70.0	APP	BPCT	-19960724LI
51	WPXT	PORTLAND ME	275.4	LIC	BLCT	-19860925KG
51	WNJN	MONTCLAIR NJ	184.3	CP	BPEDT	-20000425AAH
51	WNJN-DT	MONTCLAIR NJ	184.3	PLN	DTVPLN	-DTVP1486
51	WTVE	READING PA	329.2	LIC	BLCT	-19800521KW
51	WTVE	READING PA	318.1	CP MOD	BMPCT	-19940811KL
51	940630KG	READING PA	333.5	APP	BPCT	-19940630KG
51	WTVE	READING PA	329.2	APP	BMPCT	-20010430AAL
51	WJAR-DT	PROVIDENCE RI	119.5	PLN	DTVPLN	-DTVP1492
52	WEDW	BRIDGEPORT CT	98.2	CP	BPEDT	-20000419AAT
52	WEDW-DT	BRIDGEPORT CT	98.2	PLN	DTVPLN	-DTVP1502
52	WEKW-TV	KEENE NH	108.9	LIC	BMLET	-19901018KE
53	WEDN	NORWICH CT	76.9	CP	BPET	-20011003ABH
53	WEDN	NORWICH CT	76.9	LIC	BLET	-19860124KI
54	WTBY	POUGHKEEPSIE NY	114.4	LIC	BLCT	-19921016KF
51	W51AE	ADAMS MA	72.3	APP	BPTT	-20021023AA
51	W51BZ	NEW HAVEN CT	74.0	APP	BLTTL	-19950413IF

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
36	WSBETV	PROVIDENCE RI	DTVPLN	-NPLN1528

Results for: 36N RI PROVIDENCE	DTVPLN	NPLN1528	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3224156	12242.8	
not affected by terrain losses	3041955	11796.6	
lost to NTSC IX	472468	663.2	
lost to additional IX by ATV	101735	980.7	
lost to all IX	574203	1643.9	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	WSBE-TV	PROVIDENCE RI	BLET	-19860926KP

Proposal causes no interference

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HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

030702
Exhibit 6-2

LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	WRDM-LP	HARTFORD CT	BPTTA	-20021118AAJ

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	960724LI	PITTSFIELD MA	BPCT	-19960724LI

Total scenarios = 24

Result key: 41

Scenario 1 Affected station 6

Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	52649	1084.2	
lost to all IX	107560	1373.3	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	48133	718.8	
lost to all IX	108652	1485.8	

Result key: 42

Scenario 2 Affected station 6

Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	52400	1076.2	
lost to all IX	107311	1365.3	



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After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	48133	718.8	
lost to all IX	108652	1485.8	

Result key: 43
 Scenario 3 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	53682	1120.4	
lost to all IX	108593	1409.5	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	49166	754.9	
lost to all IX	109685	1521.9	

Result key: 44
 Scenario 4 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	53604	1116.3	
lost to all IX	108515	1405.5	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	49166	754.9	
lost to all IX	109685	1521.9	



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Result key: 45
Scenario 5 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	12299	734.9	
lost to all IX	67210	1024.0	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	7783	369.4	
lost to all IX	68302	1136.4	

Result key: 46
Scenario 6 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	12050	726.8	
lost to all IX	66961	1016.0	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	7783	369.4	
lost to all IX	68302	1136.4	



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Allocation Conditions (Question 13)

Result key: 47
Scenario 7 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	13332	771.0	
lost to all IX	68243	1060.1	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	8816	405.6	
lost to all IX	69335	1172.6	

Result key: 48
Scenario 8 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	13254	767.0	
lost to all IX	68165	1056.1	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	8816	405.6	
lost to all IX	69335	1172.6	



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Result key: 49
 Scenario 9 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	66372	1128.4	
lost to all IX	121283	1417.5	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	61856	763.0	
lost to all IX	122375	1530.0	

Result key: 50
 Scenario 10 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	66123	1120.4	
lost to all IX	121034	1409.5	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	61856	763.0	
lost to all IX	122375	1530.0	



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Result key: 51
Scenario 11 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	67405	1164.5	
lost to all IX	122316	1453.7	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	62889	799.1	
lost to all IX	123408	1566.1	

Result key: 52
Scenario 12 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	67327	1160.5	
lost to all IX	122238	1449.6	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	62889	799.1	
lost to all IX	123408	1566.1	



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Result key: 53
Scenario 13 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	26150	783.0	
lost to all IX	81061	1072.2	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	21634	417.6	
lost to all IX	82153	1184.6	

51N MA SPRINGFIELD USERRECORD01 APP

Result key: 54
Scenario 14 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	25901	775.0	
lost to all IX	80812	1064.1	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	21634	417.6	
lost to all IX	82153	1184.6	



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Result key: 55
 Scenario 15 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	27183	819.2	
lost to all IX	82094	1108.3	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	22667	453.8	
lost to all IX	83186	1220.8	

Result key: 56
 Scenario 16 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	27105	815.2	
lost to all IX	82016	1104.3	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	22667	453.8	
lost to all IX	83186	1220.8	

Potential Interfering Stations Included in above Scenario 16



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Result key: 57
 Scenario 17 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	52649	1084.2	
lost to all IX	107560	1373.3	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	48133	718.8	
lost to all IX	108652	1485.8	

Result key: 58
 Scenario 18 Affected station 6
 Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	52400	1076.2	
lost to all IX	107311	1365.3	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	48133	718.8	
lost to all IX	108652	1485.8	



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Result key: 59
Scenario 19 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	53682	1120.4	
lost to all IX	108593	1409.5	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	49166	754.9	
lost to all IX	109685	1521.9	

Result key: 60
Scenario 20 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	53604	1116.3	
lost to all IX	108515	1405.5	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	49166	754.9	
lost to all IX	109685	1521.9	



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Result key: 61
Scenario 21 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	12299	734.9	
lost to all IX	67210	1024.0	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	7783	369.4	
lost to all IX	68302	1136.4	

Result key: 62
Scenario 22 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	12050	726.8	
lost to all IX	66961	1016.0	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	7783	369.4	
lost to all IX	68302	1136.4	



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Result key: 63
Scenario 23 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	13332	771.0	
lost to all IX	68243	1060.1	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	8816	405.6	
lost to all IX	69335	1172.6	

Result key: 64
Scenario 24 Affected station 6
Before Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	54911	289.1	
lost to additional IX by ATV	13254	767.0	
lost to all IX	68165	1056.1	

After Analysis

Results for: 51N MA PITTSFIELD	BPCT	19960724LI	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1332082	18415.7	
not affected by terrain losses	1060063	13516.6	
lost to NTSC IX	60519	767.0	
lost to additional IX by ATV	8816	405.6	
lost to all IX	69335	1172.6	

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Allocation Conditions (Question 13)

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	WNYA	PITTSFIELD MA	BNPCT	-20020320ABU

Total scenarios = 16

Result key: 65
Scenario 1 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	42260	780.0	
lost to all IX	85335	1033.3	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	40592	595.1	
lost to all IX	85958	1069.5	

Result key: 66
Scenario 2 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	42206	772.0	
lost to all IX	85281	1025.3	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	40538	587.0	
lost to all IX	85904	1061.5	



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Allocation Conditions (Question 13)

Result key: 67
Scenario 3 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	45145	820.2	
lost to all IX	88220	1073.5	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	43477	631.2	
lost to all IX	88843	1105.7	

Result key: 68
Scenario 4 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	45091	812.2	
lost to all IX	88166	1065.5	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	43423	623.2	
lost to all IX	88789	1097.6	



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Allocation Conditions (Question 13)

Result key: 69
 Scenario 5 Affected station 7
 Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	22297	619.2	
lost to all IX	65372	872.5	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	20629	434.2	
lost to all IX	65995	908.7	

Result key: 70
 Scenario 6 Affected station 7
 Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	22243	611.1	
lost to all IX	65318	864.4	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	20575	426.2	
lost to all IX	65941	900.6	



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Allocation Conditions (Question 13)

Result key: 71
Scenario 7 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	25182	659.4	
lost to all IX	68257	912.7	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	23514	470.4	
lost to all IX	68880	944.9	

Result key: 72
Scenario 8 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	25128	651.3	
lost to all IX	68203	904.6	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	23460	462.4	
lost to all IX	68826	936.8	



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Allocation Conditions (Question 13)

Result key: 73
 Scenario 9 Affected station 7
 Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	58638	800.1	
lost to all IX	101713	1053.4	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	56970	615.2	
lost to all IX	102336	1089.6	

Result key: 74
 Scenario 10 Affected station 7
 Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	58584	792.1	
lost to all IX	101659	1045.4	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	56916	607.1	
lost to all IX	102282	1081.6	



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Allocation Conditions (Question 13)

Result key: 75
 Scenario 11 Affected station 7
 Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	61523	840.3	
lost to all IX	104598	1093.6	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	59855	651.3	
lost to all IX	105221	1125.8	

Result key: 76
 Scenario 12 Affected station 7
 Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	61469	832.3	
lost to all IX	104544	1085.6	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	59801	643.3	
lost to all IX	105167	1117.7	



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Allocation Conditions (Question 13)

Result key: 77
Scenario 13 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	38772	643.3	
lost to all IX	81847	896.6	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	37104	458.4	
lost to all IX	82470	932.8	

Result key: 78
Scenario 14 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	38718	635.3	
lost to all IX	81793	888.6	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	37050	450.3	
lost to all IX	82416	924.8	



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Allocation Conditions (Question 13)

Result key: 79
Scenario 15 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	41657	683.5	
lost to all IX	84732	936.8	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	39989	494.5	
lost to all IX	85355	969.0	

Result key: 80
Scenario 16 Affected station 7
Before Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	43075	253.3	
lost to additional IX by ATV	41603	675.5	
lost to all IX	84678	928.8	

After Analysis

Results for: 51N MA PITTSFIELD	BNPCT	20020320ABU	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1081369	13425.0	
not affected by terrain losses	891678	9553.1	
lost to NTSC IX	45366	474.4	
lost to additional IX by ATV	39935	486.5	
lost to all IX	85301	960.9	

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Allocation Conditions (Question 13)

Analysis of Interference to Affected Station 8

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
51	WPXT	PORTLAND ME	DTVPLN	-NPLN1796

Results for: 51N ME PORTLAND	DTVPLN	NPLN1796	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	1374	60.3	
lost to additional IX by ATV	6145	237.3	
lost to all IX	7519	297.6	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	WPXT	PORTLAND ME	BLCT	-19860925KG

Total scenarios = 4

Result key: 81
Scenario 1 Affected station 8
Before Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	1374	60.3	
lost to additional IX by ATV	6145	237.3	
lost to all IX	7519	297.6	

After Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	3098	96.5	
lost to additional IX by ATV	4533	209.1	
lost to all IX	7631	305.7	

Result key: 82
Scenario 2 Affected station 8
Before Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	1374	60.3	
lost to additional IX by ATV	6541	265.4	
lost to all IX	7915	325.8	



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Allocation Conditions (Question 13)

After Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	3098	96.5	
lost to additional IX by ATV	4929	237.3	
lost to all IX	8027	333.8	

Result key: 83
 Scenario 3 Affected station 8
 Before Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	1374	60.3	
lost to additional IX by ATV	6145	237.3	
lost to all IX	7519	297.6	

After Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	3098	96.5	
lost to additional IX by ATV	4533	209.1	
lost to all IX	7631	305.7	

Result key: 84
 Scenario 4 Affected station 8
 Before Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	1374	60.3	
lost to additional IX by ATV	6541	265.4	
lost to all IX	7915	325.8	

After Analysis

Results for: 51N ME PORTLAND	BLCT	19860925KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	621396	14281.2	
not affected by terrain losses	600232	13215.4	
lost to NTSC IX	3098	96.5	
lost to additional IX by ATV	4929	237.3	
lost to all IX	8027	333.8	



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Allocation Conditions (Question 13)

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Analysis of Interference to Affected Station 9

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
51	WNJN-DT	MONTCLAIR NJ	DTVPLN -DTVP1486

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN

HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	337499	1612.6
lost to additional IX by ATV	16394	48.4
lost to ATV IX only	40513	116.9
lost to all IX	353893	1661.0

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
50	WNJN	MONTCLAIR NJ	DTVPLN -NPLN1779

Results for: 50N NJ MONTCLAIR DTVPLN NPLN1779 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018357	17633.6
not affected by terrain losses	15737183	15323.5
lost to NTSC IX	433262	1116.7
lost to additional IX by ATV	18777	84.7
lost to all IX	452039	1201.4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	WNJN-DT	MONTCLAIR NJ	DTVPLN -DTVP1486

Total scenarios = 8

Result key: 85

Scenario 1 Affected station 9

Before Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN

HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	5129	16.1
lost to ATV IX only	24872	92.7
lost to all IX	366325	1818.2



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Allocation Conditions (Question 13)

After Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
 HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	5129	16.1
lost to ATV IX only	24872	92.7
lost to all IX	366325	1818.2

Result key: 86
 Scenario 2 Affected station 9
 Before Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
 HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	15304	36.3
lost to ATV IX only	40934	125.0
lost to all IX	376500	1838.3

After Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
 HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	15304	36.3
lost to ATV IX only	40934	125.0
lost to all IX	376500	1838.3

Result key: 87
 Scenario 3 Affected station 9
 Before Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
 HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	5129	16.1
lost to ATV IX only	24451	84.7
lost to all IX	366325	1818.2



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Allocation Conditions (Question 13)

After Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	5129	16.1
lost to ATV IX only	24451	84.7
lost to all IX	366325	1818.2

Result key: 88
Scenario 4 Affected station 9
Before Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	15304	36.3
lost to ATV IX only	40513	116.9
lost to all IX	376500	1838.3

After Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	15304	36.3
lost to ATV IX only	40513	116.9
lost to all IX	376500	1838.3

Result key: 89
Scenario 5 Affected station 9
Before Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	5129	16.1
lost to ATV IX only	24872	92.7
lost to all IX	366325	1818.2



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

After Analysis

Results for: 51A NJ MONTCLAIR	DTVPLN	DTVP1486	PLN
HAAT 243.0 m, ATV ERP 179.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	16018662	17637.6	
not affected by terrain losses	15821909	16037.1	
lost to NTSC IX	361196	1802.1	
lost to additional IX by ATV	5129	16.1	
lost to ATV IX only	24872	92.7	
lost to all IX	366325	1818.2	

Result key: 90
 Scenario 6 Affected station 9
 Before Analysis

Results for: 51A NJ MONTCLAIR	DTVPLN	DTVP1486	PLN
HAAT 243.0 m, ATV ERP 179.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	16018662	17637.6	
not affected by terrain losses	15821909	16037.1	
lost to NTSC IX	361196	1802.1	
lost to additional IX by ATV	15304	36.3	
lost to ATV IX only	40934	125.0	
lost to all IX	376500	1838.3	

After Analysis

Results for: 51A NJ MONTCLAIR	DTVPLN	DTVP1486	PLN
HAAT 243.0 m, ATV ERP 179.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	16018662	17637.6	
not affected by terrain losses	15821909	16037.1	
lost to NTSC IX	361196	1802.1	
lost to additional IX by ATV	15304	36.3	
lost to ATV IX only	40934	125.0	
lost to all IX	376500	1838.3	

Result key: 91
 Scenario 7 Affected station 9
 Before Analysis

Results for: 51A NJ MONTCLAIR	DTVPLN	DTVP1486	PLN
HAAT 243.0 m, ATV ERP 179.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	16018662	17637.6	
not affected by terrain losses	15821909	16037.1	
lost to NTSC IX	361196	1802.1	
lost to additional IX by ATV	5129	16.1	
lost to ATV IX only	24451	84.7	
lost to all IX	366325	1818.2	



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

After Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	5129	16.1
lost to ATV IX only	24451	84.7
lost to all IX	366325	1818.2

Result key: 92
Scenario 8 Affected station 9
Before Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	15304	36.3
lost to ATV IX only	40513	116.9
lost to all IX	376500	1838.3

After Analysis

Results for: 51A NJ MONTCLAIR DTVPLN DTVP1486 PLN
HAAT 243.0 m, ATV ERP 179.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16018662	17637.6
not affected by terrain losses	15821909	16037.1
lost to NTSC IX	361196	1802.1
lost to additional IX by ATV	15304	36.3
lost to ATV IX only	40513	116.9
lost to all IX	376500	1838.3

#####

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	WNJN	MONTCLAIR NJ	BPEDT	-20000425AAH

Total scenarios = 8



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LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Result key: 93
Scenario 1 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44327	157.2
lost to all IX	346412	1991.4

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44327	157.2
lost to all IX	346412	1991.4

Result key: 94
Scenario 2 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49661	169.3
lost to all IX	349717	1999.5

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49661	169.3
lost to all IX	349717	1999.5



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Result key: 95
Scenario 3 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44229	153.2
lost to all IX	346412	1991.4

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44229	153.2
lost to all IX	346412	1991.4

Result key: 96
Scenario 4 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49563	165.3
lost to all IX	349717	1999.5

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49563	165.3
lost to all IX	349717	1999.5



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Result key: 97
Scenario 5 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44327	157.2
lost to all IX	346412	1991.4

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44327	157.2
lost to all IX	346412	1991.4

Result key: 98
Scenario 6 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49661	169.3
lost to all IX	349717	1999.5

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49661	169.3
lost to all IX	349717	1999.5



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Result key: 99
Scenario 7 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44229	153.2
lost to all IX	346412	1991.4

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	0	4.0
lost to ATV IX only	44229	153.2
lost to all IX	346412	1991.4

Result key: 100
Scenario 8 Affected station 10
Before Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49563	165.3
lost to all IX	349717	1999.5

After Analysis

Results for: 51A NJ MONTCLAIR BPEDT 20000425AAH CP
HAAT 238.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16143514	18229.3
not affected by terrain losses	15933607	16778.0
lost to NTSC IX	346412	1987.4
lost to additional IX by ATV	3305	12.1
lost to ATV IX only	49563	165.3
lost to all IX	349717	1999.5

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LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Analysis of Interference to Affected Station 15

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
51	WJAR-DT	PROVIDENCE RI	DTVPLN -DTVP1492

Stations Potentially Affecting This Station

Results for: 51A RI PROVIDENCE DTVPLN DTVP1492 PLN

HAAT 305.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6350135	28870.5
not affected by terrain losses	6240604	28055.4
lost to NTSC IX	54254	188.7
lost to additional IX by ATV	14407	68.3
lost to ATV IX only	15735	96.4
lost to all IX	68661	257.0

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
10	WJAR	PROVIDENCE RI	DTVPLN -NPLN0679

Results for: 10N RI PROVIDENCE DTVPLN NPLN0679 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	6350135	28870.5
not affected by terrain losses	5997004	27031.5
lost to NTSC IX	730191	3477.3
lost to additional IX by ATV	189360	3276.5
lost to all IX	919551	6753.9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	WJAR-DT	PROVIDENCE RI	DTVPLN -DTVP1492

Total scenarios = 4

Result key: 101

Scenario 1 Affected station 15

Before Analysis

Results for: 51A RI PROVIDENCE DTVPLN DTVP1492 PLN

HAAT 305.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6350135	28870.5
not affected by terrain losses	6240604	28055.4
lost to NTSC IX	63697	313.2
lost to additional IX by ATV	59974	337.3
lost to ATV IX only	71813	429.6
lost to all IX	123671	650.5



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

After Analysis

Results for: 51A RI PROVIDENCE	DTVPLN	DTVP1492	PLN
HAAT 305.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6350135	28870.5	
not affected by terrain losses	6240604	28055.4	
lost to NTSC IX	89579	586.2	
lost to additional IX by ATV	54491	333.3	
lost to ATV IX only	71813	429.6	
lost to all IX	144070	919.5	

Result key: 102
 Scenario 2 Affected station 15
 Before Analysis

Results for: 51A RI PROVIDENCE	DTVPLN	DTVP1492	PLN
HAAT 305.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6350135	28870.5	
not affected by terrain losses	6240604	28055.4	
lost to NTSC IX	63697	313.2	
lost to additional IX by ATV	61607	349.3	
lost to ATV IX only	74370	453.7	
lost to all IX	125304	662.5	

BMPCDT 20020208AAJ CP

After Analysis

Results for: 51A RI PROVIDENCE	DTVPLN	DTVP1492	PLN
HAAT 305.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6350135	28870.5	
not affected by terrain losses	6240604	28055.4	
lost to NTSC IX	89579	586.2	
lost to additional IX by ATV	56124	345.3	
lost to ATV IX only	74370	453.7	
lost to all IX	145703	931.6	

Result key: 103
 Scenario 3 Affected station 15
 Before Analysis

Results for: 51A RI PROVIDENCE	DTVPLN	DTVP1492	PLN
HAAT 305.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6350135	28870.5	
not affected by terrain losses	6240604	28055.4	
lost to NTSC IX	63697	313.2	
lost to additional IX by ATV	59974	337.3	
lost to ATV IX only	71813	429.6	
lost to all IX	123671	650.5	



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

After Analysis

Results for: 51A RI PROVIDENCE DTVPLN DTVP1492 PLN
HAAT 305.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6350135	28870.5
not affected by terrain losses	6240604	28055.4
lost to NTSC IX	89579	586.2
lost to additional IX by ATV	54491	333.3
lost to ATV IX only	71813	429.6
lost to all IX	144070	919.5

Result key: 104
Scenario 4 Affected station 15
Before Analysis

Results for: 51A RI PROVIDENCE DTVPLN DTVP1492 PLN
HAAT 305.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6350135	28870.5
not affected by terrain losses	6240604	28055.4
lost to NTSC IX	63697	313.2
lost to additional IX by ATV	61607	349.3
lost to ATV IX only	74370	453.7
lost to all IX	125304	662.5

After Analysis

Results for: 51A RI PROVIDENCE DTVPLN DTVP1492 PLN
HAAT 305.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6350135	28870.5
not affected by terrain losses	6240604	28055.4
lost to NTSC IX	89579	586.2
lost to additional IX by ATV	56124	345.3
lost to ATV IX only	74370	453.7
lost to all IX	145703	931.6

#####



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Analysis of Interference to Affected Station 16

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
52	WEDW-DT	BRIDGEPORT CT	DTVPLN -DTVP1502

Proposal causes no interference

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
52	WEDW-DT	BRIDGEPORT CT	DTVPLN -DTVP1502

Proposal causes no interference

#####

Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	W51AE	ADAMS MA	BPTT 20021023AAZ LIC

Total scenarios = 3

Result key: 129
Scenario 1 Affected station 22
Before Analysis

Results for: 51N MA ADAMS	BPTT	20021023AAZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	45485	994.8	
not affected by terrain losses	40758	806.3	
lost to NTSC IX	31497	553.6	
lost to additional IX by ATV	0	0.0	
lost to all IX	31497	553.6	

After Analysis

Results for: 51N MA ADAMS	BPTT	20021023AAZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	45485	994.8	
not affected by terrain losses	40758	806.3	
lost to NTSC IX	31497	553.6	
lost to additional IX by ATV	0	0.0	
lost to all IX	31497	553.6	



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Result key: 130
Scenario 2 Affected station 22
Before Analysis

Results for: 51N MA ADAMS	BPTT	20021023AAZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	45485	994.8	
not affected by terrain losses	40758	806.3	
lost to NTSC IX	31497	549.5	
lost to additional IX by ATV	0	4.0	
lost to all IX	31497	553.6	

After Analysis

Results for: 51N MA ADAMS	BPTT	20021023AAZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	45485	994.8	
not affected by terrain losses	40758	806.3	
lost to NTSC IX	31497	553.6	
lost to additional IX by ATV	0	0.0	
lost to all IX	31497	553.6	

Result key: 131
Scenario 3 Affected station 22
Before Analysis

Results for: 51N MA ADAMS	BPTT	20021023AAZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	45485	994.8	
not affected by terrain losses	40758	806.3	
lost to NTSC IX	31497	553.6	
lost to additional IX by ATV	0	0.0	
lost to all IX	31497	553.6	

After Analysis

Results for: 51N MA ADAMS	BPTT	20021023AAZ	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	45485	994.8	
not affected by terrain losses	40758	806.3	
lost to NTSC IX	31497	553.6	
lost to additional IX by ATV	0	0.0	
lost to all IX	31497	553.6	

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LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	W51BZ	NEW HAVEN CT	BLTTTL 19950413IF LIC

Total scenarios = 4

Result key: 132

Scenario 1 Affected station 23

Before Analysis

Results for: 51N CT NEW HAVEN	BLTTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	9167	8.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	9249	12.0	

After Analysis

Results for: 51N CT NEW HAVEN	BLTTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	10634	16.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	10716	20.0	

Result key: 133

Scenario 2 Affected station 23

Before Analysis

Results for: 51N CT NEW HAVEN	BLTTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	9167	8.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	9249	12.0	

After Analysis

Results for: 51N CT NEW HAVEN	BLTTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	10634	16.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	10716	20.0	



LPTV Station WDMR-LP • As NTSC Channel 51 • Springfield, Massachusetts

Allocation Conditions (Question 13)

Result key: 134
Scenario 3 Affected station 23
Before Analysis

Results for: 51N CT NEW HAVEN	BLTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	9167	8.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	9249	12.0	

After Analysis

Results for: 51N CT NEW HAVEN	BLTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	10634	16.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	10716	20.0	

Result key: 135
Scenario 4 Affected station 23
Before Analysis

Results for: 51N CT NEW HAVEN	BLTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	9167	8.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	9249	12.0	

After Analysis

Results for: 51N CT NEW HAVEN	BLTTL	19950413IF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	288994	404.0	
not affected by terrain losses	253558	384.0	
lost to NTSC IX	10634	16.0	
lost to additional IX by ATV	82	4.0	
lost to all IX	10716	20.0	

