

APPLICATION FOR MINOR
MODIFICATION TO A DTV BROADCAST
STATION CONSTRUCTION PERMIT
FCC FILE NUMBER: BPEDT-20000428ACL
WITV-DT CHANNEL 49 ERP 400.0 KW
(MAX-DA) AT 521 METERS AAT,
SOUTH CAROLINA EDUCATIONAL
TELEVISION COMMISSION
CHARLESTON, SOUTH CAROLINA

KESSLER & GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS

20030529

Prepared by Ryan Wilhour

KG&A

507 N.W. 60th Street, Suite C
Gainesville, Florida 32607

KESSLER AND GEHMAN ASSOCIATES, INC.

WITV-DT CHARLESTON, SC

PAGE 1

ENGINEERING STATEMENT OF RYAN WILHOUR OF THE FIRM KESSLER AND
GEHMAN ASSOCIATES, INC., CONSULTING ENGINEERS IN CONNECTION WITH
AN APPLICATION FOR MINOR MODIFICATION TO A DTV BROADCAST STATION
CONSTRUCTION PERMIT FCC FILE NUMBER BPEDT-20000428ACL LICENSED TO
SOUTH CAROLINA EDUCATIONAL TELEVISION COMMISSION
WITV-DT
CHARLESTON, SOUTH CAROLINIA

PROCLAMATION OF ENGINEER

I, Ryan Wilhour, am an associate of Kessler and Gehman Associates, Inc. with offices in Gainesville, Florida. I am a graduate of the University of Florida with a Bachelor of Science degree in electrical engineering.

This firm has been employed by South Carolina Educational Television Commission (hereinafter referred to as "SCETV") to make engineering studies and to prepare a minor modification application to FCC file number BPEDT-20000428ACL. It is herein proposed to decrease the ERP, and change the broadcast antenna. No other changes are proposed.

ATTACHED FIGURES

In carrying out the engineering studies the following attached figures were prepared by me:

1. Engineering Specifications (Exhibit E1)
2. Elevation drawing of the antenna system (Exhibit E2)
3. USGS 7.5 minute topographic quadrangle showing the proposed transmitter location and the coordinate lines (Exhibit E3)
4. Antenna elevation, azimuth, and ERP – dBk patterns (Exhibit E4)
5. Map showing the predicted DTV coverage contour. Tabulation of the predicted contour distances, along with relevant elevations and ERPs (Exhibit E5)
6. Allocation Analysis (Exhibit E6)
7. Environmental Impact/ RFR Hazard Analysis (Exhibit E7)

TRANSMITTER LOCATION

SCETV proposes to operate the DTV facilities of WITV-DT on an existing tower. The FCC tower registration number is 1051231. It is herein proposed to side mount the antenna as demonstrated in Exhibit E2.

INTERFERENCE ANALYSIS

The applicant accepts full responsibility for the elimination of any objectionable interference including that caused by intermodulation to facilities in existence or authorized prior to the grant of this application.

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations exist.

Evaluation toward Landmobile Stations

No landmobile spacing violations exist.

FCC Monitoring Stations

The proposed station is compliant with regard to FCC Monitoring Stations.

West Virginia quite zone

The proposed station is compliant with regard to West Virginia quite zone.

Table Mountain

The proposed station is compliant with regard to Table Mountain.

Canadian coordination distance

The proposed facility is within the Canadian coordination distance.

Mexican coordination distance

The proposed facility is beyond the Mexican coordination distance.

AM broadcast stations

The proposed station is compliant with regard to AM broadcast stations.

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WITV-DT CHARLESTON, SC

PAGE 3

NTSC and DTV

The following DTV and NTSC stations were analyzed for potential interference as demonstrated in Exhibit E6:

Chan	Call	City/State	Dist(km)	Status	Application.	Ref. No.
41	960628KO	GEORGETOWN SC	69.1	APP	BPET	-19960628KO
48	WACH-DT	COLUMBIA SC	165.2	LIC	BLCDT	-20021204ABB
48	WACH-DT	COLUMBIA SC	173.1	PLN	DTVPLN	-DTVP1400
49	WRAZ-DT	RALEIGH NC	324.1	CP MOD	BMPCDT	-19990713KJ
49	WRAZ-DT	RALEIGH NC	324.0	PLN	DTVPLN	-DTVP1424
49	WRET-TV	SPARTANBURG SC	292.9	LIC	BLET	-19810706KG
50	WCBD-TV	CHARLESTON SC	1.8	GRANT	BPRM	-20010827ABK
50	WCBD-DT	CHARLESTON SC	1.8	CP MOD	BMPCDT	-20020621AAK

None of the stations above are predicted to receive unique interference from the instant application.

ENVIRONMENTAL IMPACT/RFR HAZARD ANALYSIS

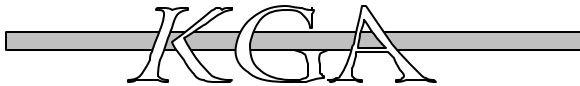
An analysis has been made of the human exposure to RFR using the calculation methodology described in OET Bulletin 65, Edition, 97-01. Exhibit E7 is a RFR study demonstrating compliance within 5% of the most restrictive permissible exposure at any location 2 meters above the ground. Exhibit E7 calculations were made using a frequency of 680 MHz, which is the lower edge of the proposed channel. To account for ground reflections, a coefficient of 1.6 was included in the calculations.

Pursuant to OET Bulletin 65 concerning multiple-user transmitter sites only those licensees whose transmitters produce power density levels greater than 5.0% of the exposure limit are considered significant contributors to RFR. Since the proposed operation is well within 5% of the most permissible exposure at any location 2 meters above the ground, it is not considered a significant contributor to RFR exposure. Thus, contributions to exposure from other RF sources in the vicinity of WITV-DT were not taken into account. The instant proposal complies with the FCC limits for human exposure to RF radiation and thus is excluded from further environmental processing.

A chain link fence shall encompass the WITV -DT support structure if it is not already. The applicant will cooperate with any other users of the tower by reducing the power to the antenna or if necessary completely cutting it off in order to protect maintenance workers on the tower.

DECLARATION OF ENGINEER

The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge. Executed on May 28, 2003.

The logo for Kessler and Gehman Associates, Inc. (KGA) features the letters "KGA" in a stylized, serif font. The letters are white with a black outline and are positioned in the center of a thick, solid black horizontal bar.

Ryan Wilhour

A handwritten signature in blue ink that reads "Ryan Wilhour". The signature is written in a cursive, flowing style.

Consulting Engineer

WITV-DT

CHARLESTON, SOUTH CAROLINA

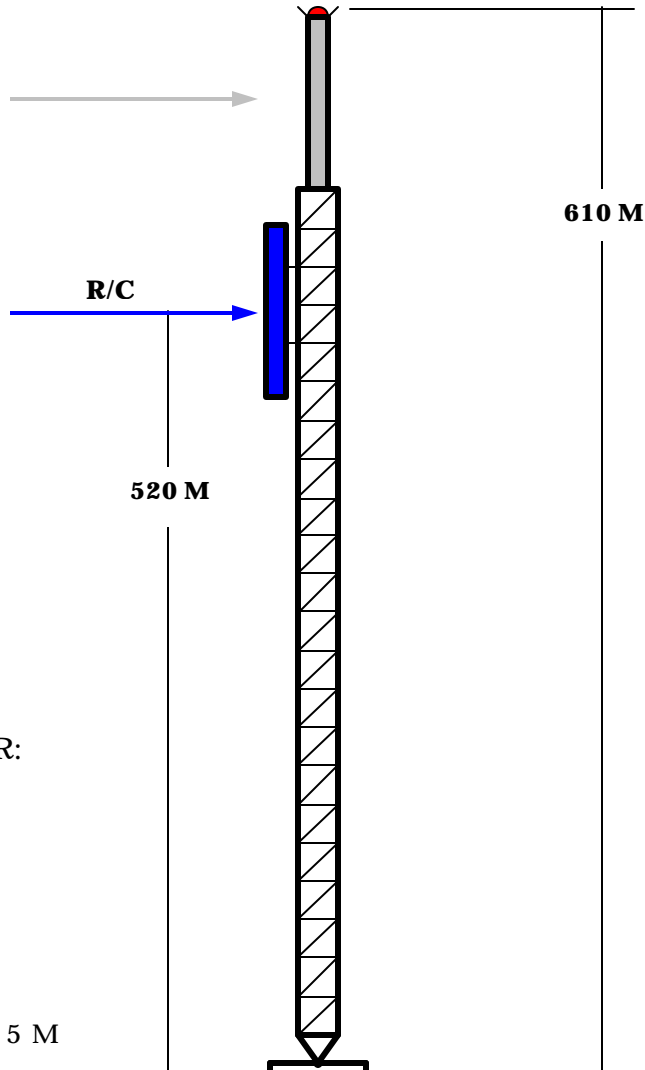
ENGINEERING SPECIFICATIONS

- A. Transmitter Site (NAD 27)
- | | |
|----------------|----------------|
| North Latitude | 32 ° 55 ' 28 " |
| West Longitude | 79 ° 41 ' 58 " |
- Street Address or Location
- 3.4 Miles NE of Ten Mile, Charleston County
South Carolina
- B. Proposed Facility
- DTV Channel
- | | |
|-----------|-------------|
| Number | 49 |
| Frequency | 680-686 MHz |
- C. Elevations
- | | |
|---|-------|
| Height of Site Above Mean Sea Level (AMSL) | 5 m |
| Overall Height of Structure Above Ground
(including all appurtenances) | 610 m |
| Overall Height of Structure Above Mean Sea Level
(including all appurtenances) | 615 m |
| Effective Height of Antenna Above Ground | 520 m |
| Effective Height of Antenna Above Average Terrain | 521 m |
| Effective Height of Antenna Above Mean Sea Level | 525 m |
- D. Antenna Parameters – Horizontal Polarization
- | | |
|--|-----------|
| Maximum Antenna Gain in Beam Maximum | 16.43 dB |
| Maximum Antenna Gain in Horizontal Plane | 14.94 dB |
| Maximum Effective Radiated Power | 26.02 dBk |
| In Beam Maximum | 400.0 kW |
| Maximum Effective Radiated Power | 24.53 dBk |
| In Horizontal Plane | 283.8 kW |

ELEVATION VIEW

EXISTING TOP
MOUNTED
BROADCAST
ANTENNA

WITV-DT CH 49
DIELECTRIC
TUP-C3-10-1
DIRECTIONAL
ANTENNA



FCC TOWER
REGISTRATION
NUMBER: 1051231

FAA STUDY NUMBER:
85-ASO-1515-OE

SITE ELEVATION: 5 M

OVERALL HEIGHT AGL:	610 M
OVERALL HEIGHT AMSL:	615 M
RADIATION CENTER AGL:	520 M
RADIATION CENTER AMSL	525 M
RADIATION CENTER HAAT	521 M

COORDINATES (NAD27):
N. LATITUDE 32° 55' 28"
W. LONGITUDE 79° 41' 58"

NOTE: NOT TO SCALE

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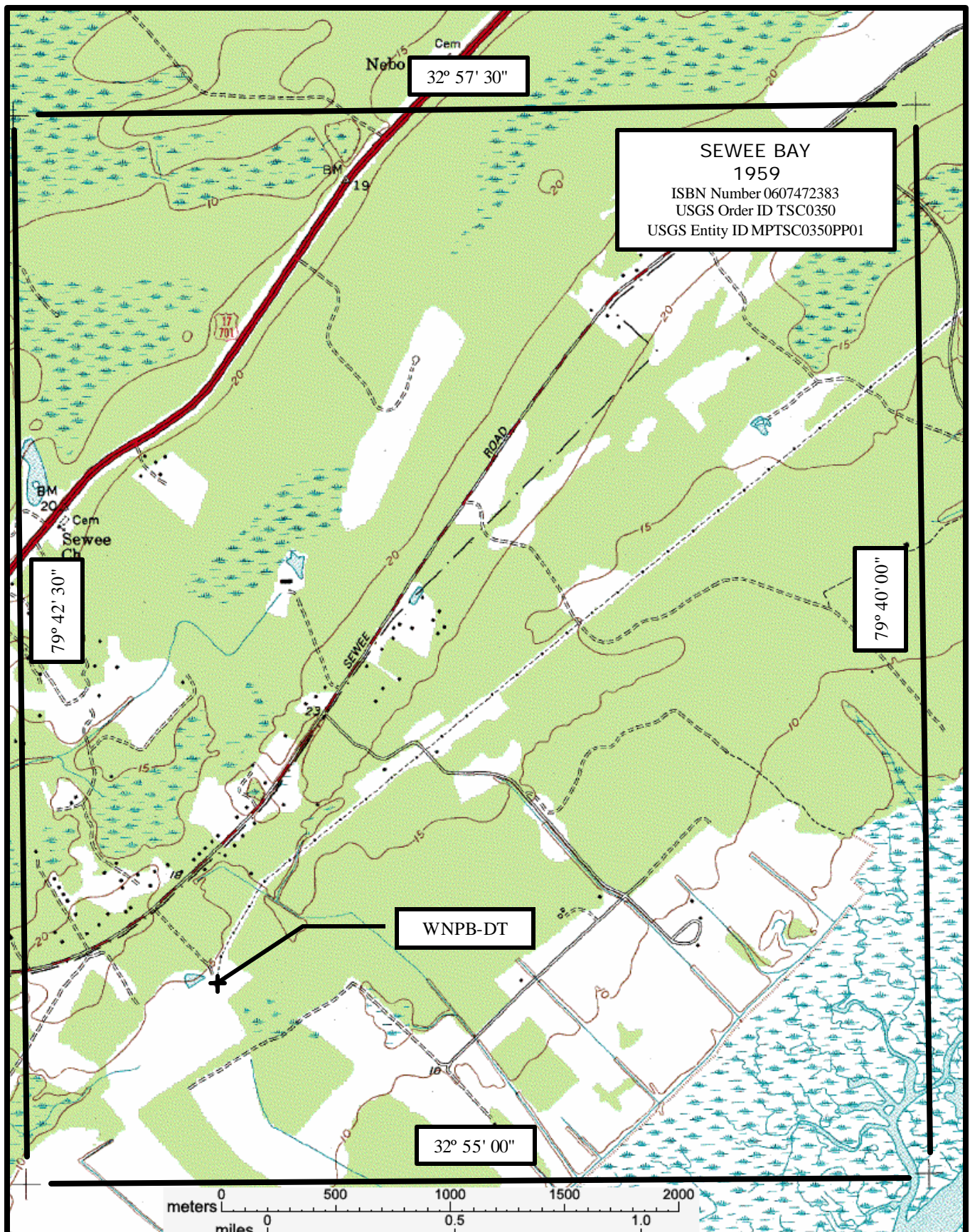
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EXHIBIT E2



SEWEE BAY
1959
ISBN Number 0607472383
USGS Order ID TSC0350
USGS Entity ID MPTSC0350PP01

WNPB-DT

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EXHIBIT E3

WITV-DT

CHARLESTON, SOUTH CAROLINA

TABULATION OF RELATIVE FIELD FOR PROPOSED DIRECTIONAL ANTENNA

<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>	<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>
N000°E	0.827	N180°E	0.405
N005°E	0.797	N185°E	0.482
N010°E	0.740	N190°E	0.569
N015°E	0.686	N195°E	0.662
N020°E	0.678	N200°E	0.755
N025°E	0.737	N205°E	0.835
N030°E	0.832	N210°E	0.908
N035°E	0.918	N215°E	0.957
N040°E	0.966	N220°E	0.987
N045°E	1.000	N225°E	1.000
N050°E	0.991	N230°E	0.974
N055°E	0.966	N235°E	0.929
N060°E	0.919	N240°E	0.850
N065°E	0.852	N245°E	0.762
N070°E	0.771	N250°E	0.697
N075°E	0.683	N255°E	0.703
N080°E	0.588	N260°E	0.749
N085°E	0.499	N265°E	0.801
N090°E	0.421	N270°E	0.827
N095°E	0.344	N275°E	0.797
N100°E	0.280	N280°E	0.740
N105°E	0.225	N285°E	0.686
N110°E	0.164	N290°E	0.678
N115°E	0.112	N295°E	0.737
N120°E	0.076	N300°E	0.832
N125°E	0.044	N305°E	0.918
N130°E	0.034	N310°E	0.966
N135°E	0.000	N315°E	1.000
N140°E	0.029	N320°E	0.974
N145°E	0.042	N325°E	0.929
N150°E	0.070	N330°E	0.850
N155°E	0.104	N335°E	0.762
N160°E	0.155	N340°E	0.697
N165°E	0.214	N345°E	0.703
N170°E	0.268	N350°E	0.749
N175°E	0.332	N355°E	0.801

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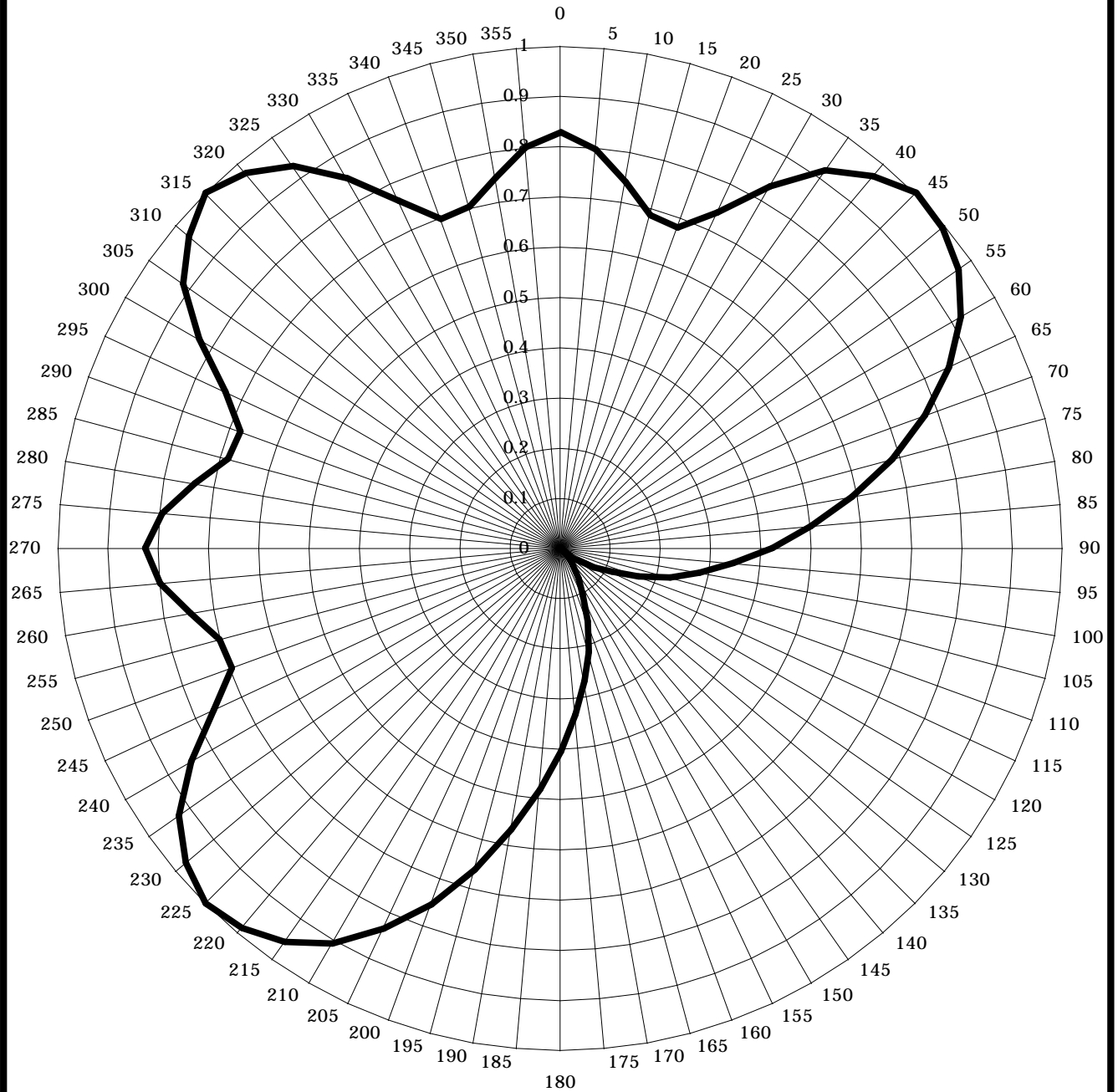
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EXHIBIT E4A

RELATIVE FIELD AZIMUTH PATTERN



DIELECTRIC TUP-C3-10-1
ORIENTED WITH BEAM MAXIMA AT 45°, 225°, 315°
AZIMUTH GAIN: 2.00 (3.01 dB)

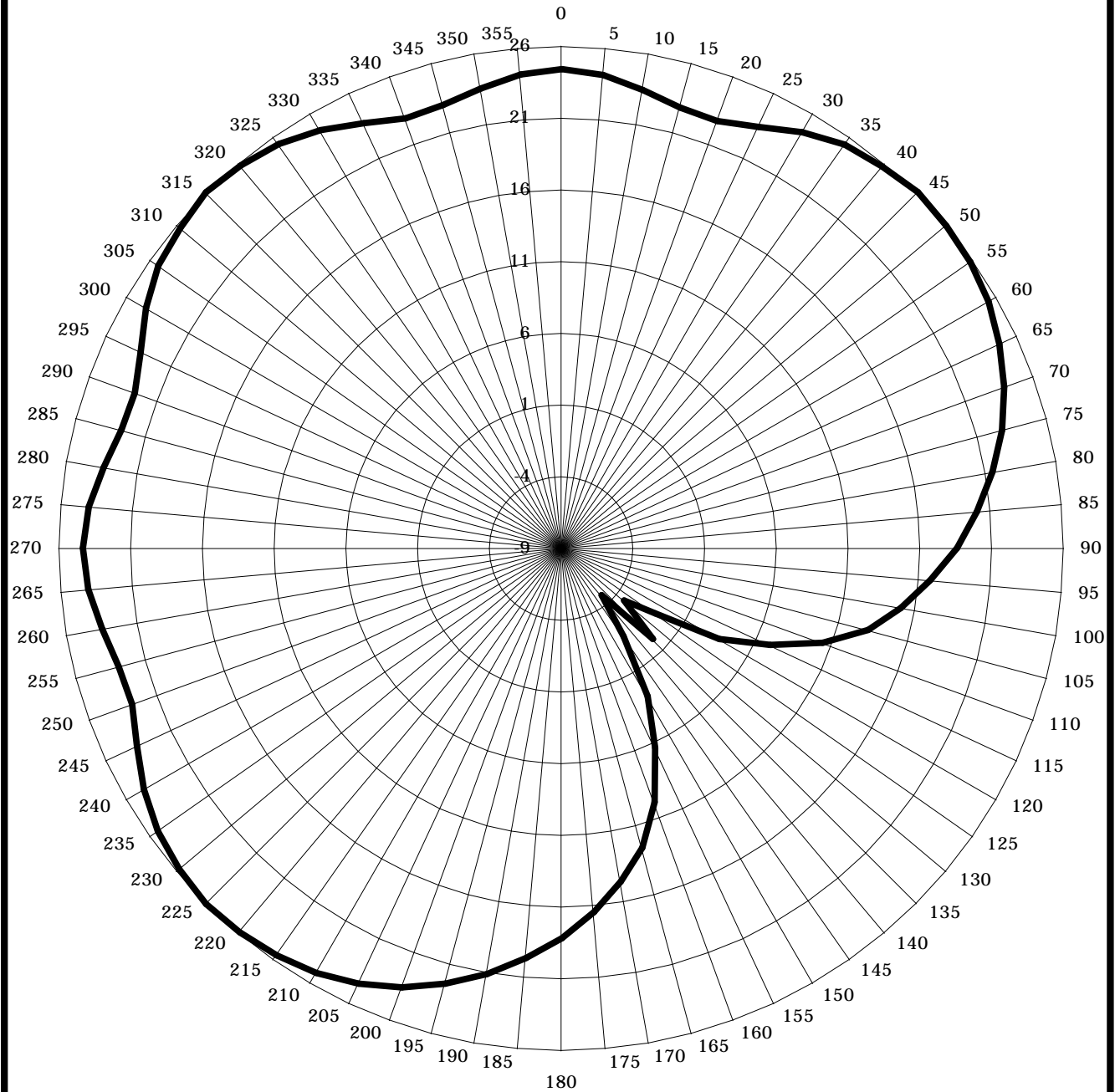
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EXHIBIT E4B

ERP - dBk



DIELECTRIC TUP-C3-10-1
ORIENTED WITH BEAM MAXIMA AT 45°, 225°, 315°
AZIMUTH GAIN: 2.00 (3.01 dB)

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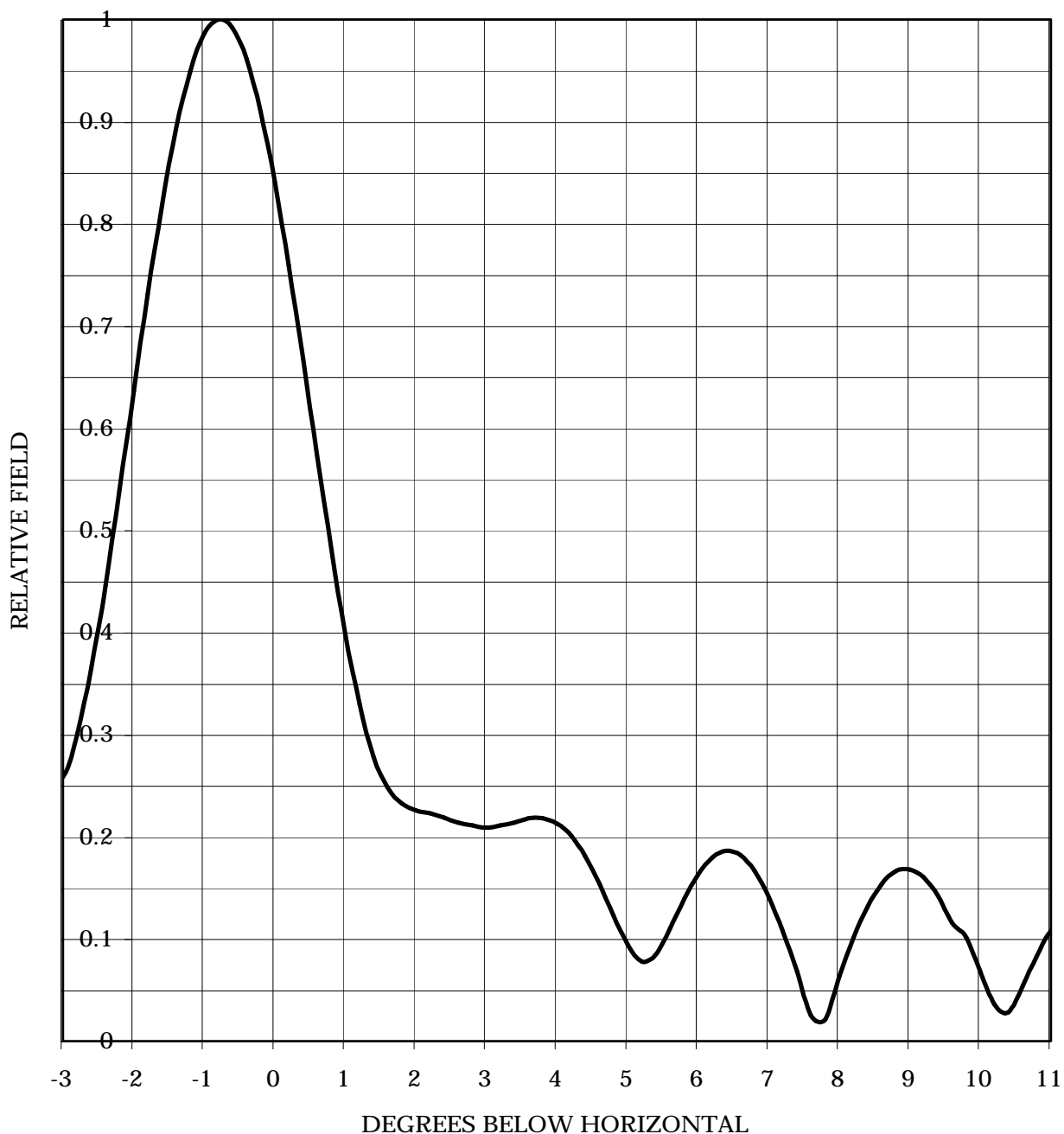
EXHIBIT E4C

ELEVATION PATTERN

DIELECTRIC TUP-C3-10-1

RMS Gain at Main Lobe 22.0 (13.42 dB)
RMS Gain at Horizontal 15.60 (11.93 dB)

Beam Tilt 0.75 deg
Frequency 683.0 MHz



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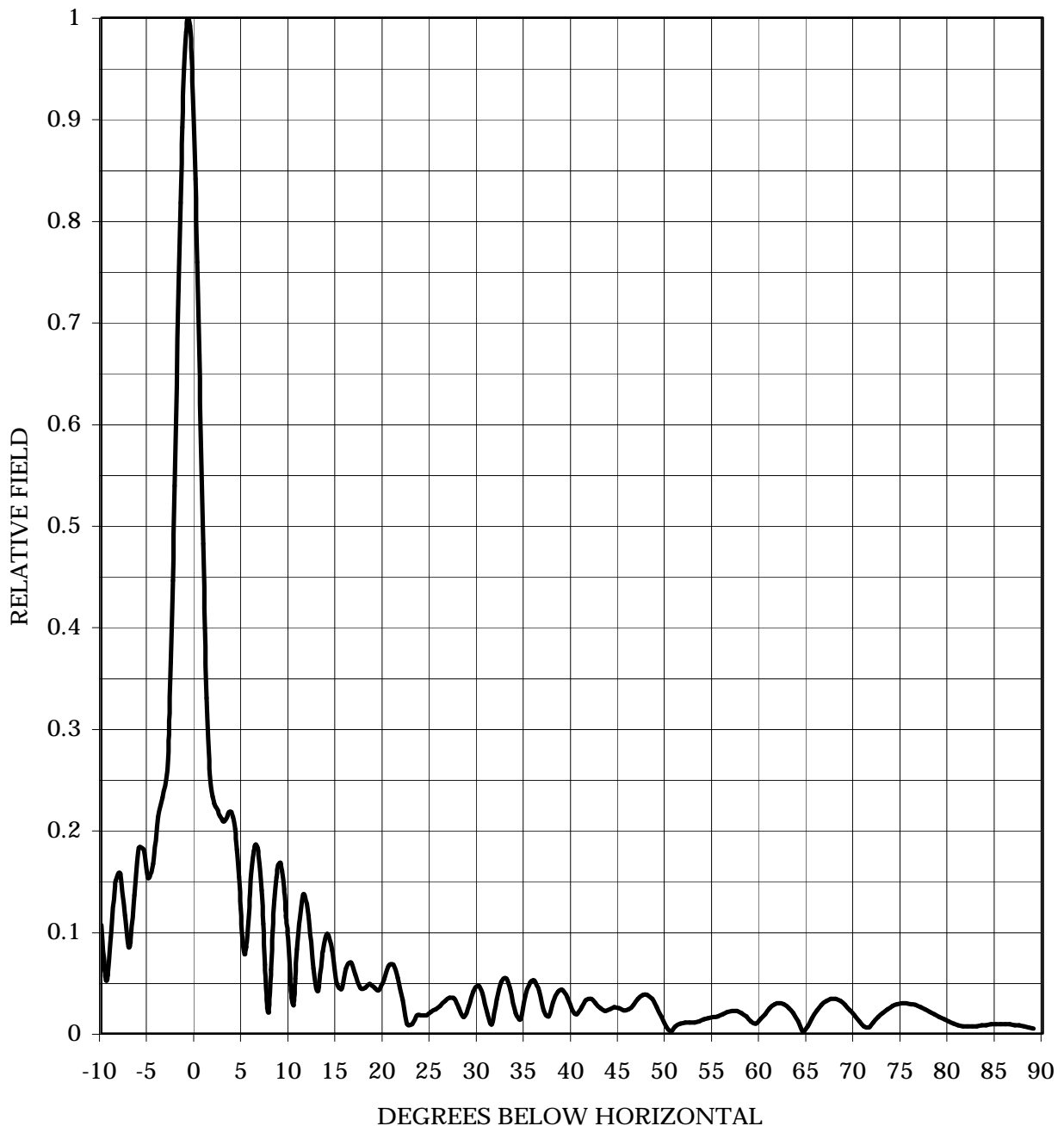
EXHIBIT E4D

ELEVATION PATTERN

DIELECTRIC TUP-C3-10-1

RMS Gain at Main Lobe 22.0 (13.42 dB)
RMS Gain at Horizontal 15.60 (11.93 dB)

Beam Tilt 0.75 deg
Frequency 683.0 MHz

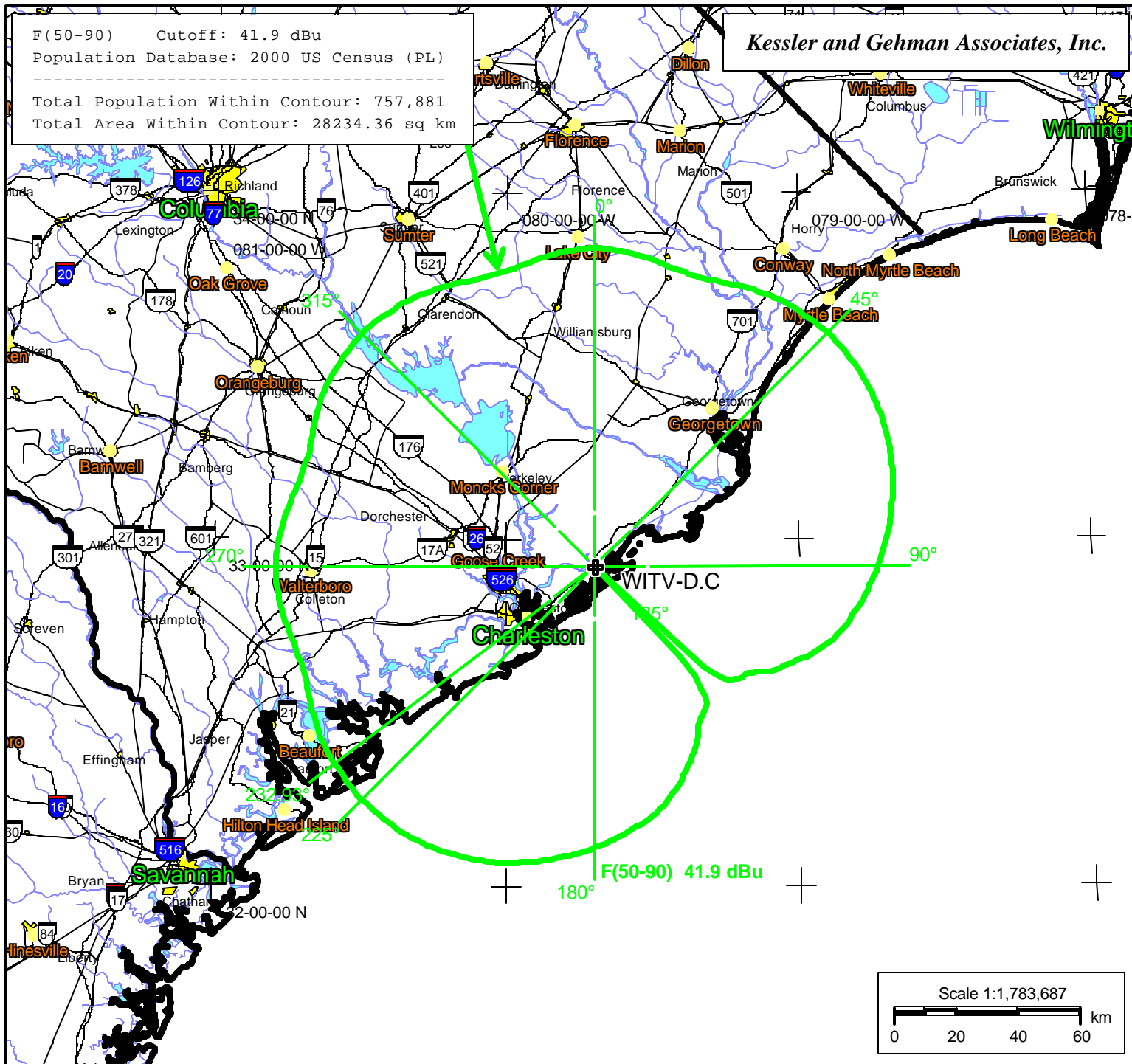


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EXHIBIT E4E



WITV-DT
Proposed
Latitude: 32-55-28 N
Longitude: 079-41-58 W
ERP: 400.00 kW
Channel: 49
Frequency: 683.0 MHz
AMSL Height: 525.0 m
Elevation: 3.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.75
Prop Model: None

EXHIBIT E5A

WITV-DT

DISTANCES TO THE PREDICTED 41.9 DBU CONTOUR, HAAT ELEVATIONS, AND ERP

DISTANCE TO 41.9 DBU				DISTANCE TO 41.9 DBU			
ERP	CONTOUR	HAAT		ERP	CONTOUR	HAAT	
AZIMUTH	(KW)	(KM)	(M)	AZIMUTH	(KW)	(KM)	(M)
N000°E	273.6	101.7	518.6	N180°E	65.6	90.1	525.0
N015°E	254.1	101.1	519.2	N185°E	92.9	92.9	525.0
N010°E	219.0	99.8	520.0	N190°E	129.5	95.6	524.4
N015°E	188.2	98.5	519.9	N195°E	175.3	98.2	524.6
N020°E	183.9	98.3	520.0	N200°E	228.0	100.6	524.8
N025°E	217.3	99.8	520.3	N205°E	278.9	102.4	524.7
N030°E	276.9	101.9	519.5	N210°E	329.8	103.9	524.7
N035°E	337.1	103.7	519.3	N215°E	366.3	104.9	524.4
N040°E	373.3	104.6	519.0	N220°E	389.7	105.3	523.3
N045°E	400.0	105.4	521.1	N225°E	400.0	105.4	521.2
N050°E	392.8	105.4	523.6	N230°E	379.5	104.8	519.6
N055°E	373.3	105.0	524.3	N235°E	345.2	104.1	521.2
N060°E	337.8	104.1	524.7	N240°E	289.0	102.5	522.6
N065°E	290.4	102.8	524.9	N245°E	232.3	100.6	523.3
N070°E	237.8	101.0	524.9	N250°E	194.3	99.1	523.6
N075°E	186.6	98.8	525.0	N255°E	197.7	99.2	524.0
N080°E	138.3	96.2	525.0	N260°E	224.4	100.4	524.2
N085°E	99.6	93.5	525.0	N265°E	256.6	101.6	524.1
N090°E	70.9	90.7	524.7	N270°E	273.6	102.1	523.2
N095°E	47.3	87.6	524.6	N275°E	254.1	101.3	521.7
N100°E	31.4	84.5	524.6	N280°E	219.0	99.9	520.8
N105°E	20.3	81.3	524.7	N285°E	188.2	98.5	520.1
N110°E	10.8	76.8	524.8	N290°E	183.9	98.1	518.7
N115°E	5.0	71.5	524.8	N295°E	217.3	99.7	518.9
N120°E	2.3	66.4	524.9	N300°E	276.9	101.9	519.1
N125°E	0.8	59.8	524.9	N305°E	337.1	103.7	519.7
N130°E	0.5	56.7	524.9	N310°E	373.3	104.5	517.4
N135°E	0.0	0.0	525.0	N315°E	400.0	105.1	517.3
N140°E	0.3	54.8	525.0	N320°E	379.5	104.6	517.5
N145°E	0.7	59.3	525.0	N325°E	345.2	103.7	517.1
N150°E	2.0	65.4	525.0	N330°E	289.0	102.1	517.0
N155°E	4.3	70.5	524.9	N335°E	232.3	100.1	517.1
N160°E	9.6	76.0	524.9	N340°E	194.3	98.6	517.8
N165°E	18.3	80.6	524.9	N345°E	197.7	98.7	517.9
N170°E	28.7	83.9	524.9	N350°E	224.4	99.9	517.9
N175°E	44.1	87.1	524.9	N355°E	256.6	101.1	518.1

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WITV-DT
CHARLESTON, SOUTH CAROLINA

20030529

EXHIBIT E5B

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-28-2003 Time: 18:55:56

Record Selected for Analysis

WITV-D.C CUR -PROPOSED Charleston SC US
Channel 49 ERP 400.0 kW HAAT 00521 m RCAMSL 00525 m
Latitude 032-55-28 Longitude 0079-41-58
Status P Zone Border
Dir Antenna Make CDB Model 00000000000001 Beam tilt N Ref Azimuth 0.0
Last update 00000000 Cutoff date 00000000 Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	273.572	518.6	103.7
45.0	386.516	521.6	107.1
90.0	70.896	524.6	92.5
135.0	0.397	524.9	57.0
180.0	65.610	525.0	91.9
225.0	384.552	521.3	107.0
270.0	273.572	523.3	104.1
315.0	376.360	517.3	106.5

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WITV-D.C 49 Charleston SC CUR PROPOSED

and station

SHORT TO: 960628KO 41 GEORGETOWN SC BPET 19960628KO
033-25-58 0079-16-16
Req. separation => 24.1 <= 96.6 Actual separation 69.1 Short 27.5(45.0) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

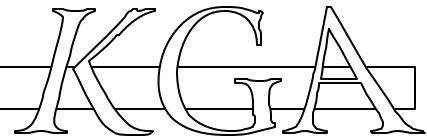
Channel	Proposed Station Call	City/State	ARN
49	WITV-D.C	Charleston SC	CUR PROPOSED

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	960628KO	GEORGETOWN SC	69.1	APP	BPET	-19960628KO
48	WACH-DT	COLUMBIA SC	165.2	LIC	BLCDDT	-20021204ABB
48	WACH-DT	COLUMBIA SC	173.1	PLN	DTVPLN	-DTVP1400
49	WRAZ-DT	RALEIGH NC	324.1	CP MOD	BMPCDDT	-19990713KJ
49	WRAZ-DT	RALEIGH NC	324.0	PLN	DTVPLN	-DTVP1424
49	WRET-TV	SPARTANBURG SC	292.9	LIC	BLET	-19810706KG
50	WCBD-TV	CHARLESTON SC	1.8	GRANT	BPRM	-20010827ABK
50	WCBD-DT	CHARLESTON SC	1.8	CP MOD	BMPCDDT	-20020621AAK

Analysis of Interference to Affected Station 1

KESSLER & GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS



Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	960628KO	GEORGETOWN SC	BPET	-19960628KO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WJPM-TV	FLORENCE SC	103.7	LIC	BLET	-191
34	WCIV-TV	CHARLESTON SC	69.1	GRANT	BPRM	-20010313ABO
34	WCIV-DT	CHARLESTON SC	69.1	CP MOD	BMPCDT	-20020423AAI
38	NEW	GEORGETOWN SC	0.0	GRANT	BPRM	-20000919AAM
38	960628KO	GEORGETOWN SC	0.0	APP	BPEDT	-20020819ABX
38	WQHB-DT	SUMTER SC	108.7	PLN	DTVPLN	-DTVP1066
39	WUNJ-TV	WILMINGTON NC	137.9	CP	BPET	-20020124ADI
40	WTAT-DT	CHARLESTON SC	67.5	PLN	DTVPLN	-DTVP1139
40	WTAT-DT	CHARLESTON SC	67.5	CP	BPCDT	-19991101AIN
41	WMGT	MACON GA	406.7	CP	BPCT	-19870615KE
41	WIS -DT	COLUMBIA SC	157.3	PLN	DTVPLN	-DTVP1173
41	WDRL-DT	DANVILLE VA	342.5	PLN	DTVPLN	-DTVP1177
43	WFXB	MYRTLE BEACH SC	84.4	LIC	BLCT	-19970711KE
44	WECT-TV	WILMINGTON NC	137.9	GRANT	BPRM	-20020423ABN
44	WECT-DT	WILMINGTON NC	137.9	CP MOD	BMPCDT	-20030327ADE
45	WJPM-DT	FLORENCE SC	103.7	PLN	DTVPLN	-DTVP1314
49	WITV-DT	CHARLESTON SC	69.1	PLN	DTVPLN	-DTVP1431
56	WBTW-DT	FLORENCE SC	104.0	PLN	DTVPLN	-DTVP1594
49	WITV-D.C	Charleston SC	69.1	P	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
48	WACH-DT	COLUMBIA SC	DTVPLN	-DTVP1400

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WJZY-DT	BELMONT NC	147.2	PLN	DTVPLN	-DTVP1365
48	WNGM-DT	ATHENS GA	263.5	PLN	DTVPLN	-DTVP1388
48	WUPNTV	GREENSBORO NC	228.7	PLN	DTVPLN	-NPLN1734
48	WCTI-DT	NEW BERN NC	355.1	PLN	DTVPLN	-DTVP1396
48	NEW	TAZEWELL TN	356.8	PLN	DTVPLN	-NPLN1740
48	WVSX-DT	LEWISBURG WV	415.3	PLN	DTVPLN	-DTVP1407
49	WITV-DT	CHARLESTON SC	173.1	PLN	DTVPLN	-DTVP1431
49	WRETTV	SPARTANBURG SC	120.2	PLN	DTVPLN	-NPLN1761

Results for: 48A SC COLUMBIA DTVPLN DTVP1400 PLN
 HAAT 193.0 m, ATV ERP 110.0 kW
 POPULATION AREA (sq km)

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within Noise Limited Contour	715700	13217.9
not affected by terrain losses	715445	13165.8
lost to NTSC IX	1309	76.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	86	12.0
lost to all IX	1309	76.1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
57	WACH	COLUMBIA SC	DTVPLN	-NPLN1884

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	WRETTV	SPARTANBURG SC	120.2	PLN	DTVPLN	-NPLN1761
50	WAXN-DT	KANNAPOLIS NC	137.5	PLN	DTVPLN	-DTVP1451
54	WFXG	AUGUSTA GA	104.2	PLN	DTVPLN	-NPLN1837
56	WBTW-DT	FLORENCE SC	158.1	PLN	DTVPLN	-DTVP1594
57	WATC	ATLANTA GA	318.3	PLN	DTVPLN	-NPLN1878
57	WYMTTV	HAZARD KY	401.8	PLN	DTVPLN	-NPLN1879
57	WHNS-DT	ASHEVILLE NC	199.4	PLN	DTVPLN	-DTVP1610
57	WLFL-DT	RALEIGH NC	272.0	PLN	DTVPLN	-DTVP1611
58	WUNGT	CONCORD NC	150.3	PLN	DTVPLN	-NPLN1895
58	WHMC-DT	CONWAY SC	174.4	PLN	DTVPLN	-DTVP1636
64	WAXN	KANNAPOLIS NC	137.5	PLN	DTVPLN	-NPLN1963

Results for: 57N SC COLUMBIA	DTVPLN	NPLN1884	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	715638	13209.9	
not affected by terrain losses	713934	13073.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	45509	2680.4	
lost to all IX	45509	2680.4	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WACH-DT	COLUMBIA SC	BLCDDT	-20021204ABB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WJZY-DT	BELMONT NC	143.0	CP	BPCDDT	-19990927AAK
47	WJZY-DT	BELMONT NC	143.0	PLN	DTVPLN	-DTVP1365
47	WCSC-DT	CHARLESTON SC	165.2	CP MOD	BMPCDDT	-20021206AAV
47	WCSC-TV	CHARLESTON SC	165.2	GRANT	BPRM	-20000731AAA
47	WCSC-DT	CHARLESTON SC	165.2	CP	BMPCDDT	-20000501ADT
47	NEW	COLUMBIA SC	22.9	APP	BNPCT	-20020320ACH
47	960722KG	COLUMBIA SC	22.9	APP	BPCT	-19960722KG
48	WUVG-DT	ATHENS GA	331.4	CP MOD	BMPCDDT	-20020118AAD
48	WNGM-DT	ATHENS GA	284.7	PLN	DTVPLN	-DTVP1388
48	WUPN-TV	GREENSBORO NC	212.7	CP	BPCT	-20000814ABU
48	WCTI-DT	NEW BERN NC	332.2	PLN	DTVPLN	-DTVP1396
48	WVLR	TAZEWELL TN	352.7	CP MOD	BMPCT	-20020326AAM

48	WVSX-DT	LEWISBURG WV	406.5	CP	BPCDT	-19990917AAK
48	WVSX-DT	LEWISBURG WV	406.5	PLN	DTVPLN	-DTVP1407
49	WITV-DT	CHARLESTON SC	165.2	PLN	DTVPLN	-DTVP1431
49	WRET-TV	SPARTANBURG SC	129.2	LIC	BLET	-19810706KG
49	WITV-D.C	Charleston SC	165.2	P	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WACH-DT	COLUMBIA SC	DTVPLN	-DTVP1400

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WJZY-DT	BELMONT NC	147.2	CP	BPCDT	-19990927AAK
47	WJZY-DT	BELMONT NC	147.2	PLN	DTVPLN	-DTVP1365
47	WCSC-DT	CHARLESTON SC	173.1	CP MOD	BMPCDT	-20021206AAV
47	WCSC-TV	CHARLESTON SC	173.1	GRANT	BPRM	-20000731AAA
47	WCSC-DT	CHARLESTON SC	173.1	CP	BMPCDT	-20000501ADT
47	NEW	COLUMBIA SC	0.1	APP	BNPCT	-20020320ACH
47	960722KG	COLUMBIA SC	0.0	APP	BPCT	-19960722KG
48	WUVG-DT	ATHENS GA	309.3	CP MOD	BMPCDT	-20020118AAD
48	WNGM-DT	ATHENS GA	263.5	PLN	DTVPLN	-DTVP1388
48	WUPN-TV	GREENSBORO NC	229.1	CP	BPCT	-20000814ABU
48	WCTI-DT	NEW BERN NC	355.1	PLN	DTVPLN	-DTVP1396
48	WVLR	TAZEWELL TN	343.1	CP MOD	BMPCT	-20020326AAM
48	WVSX-DT	LEWISBURG WV	415.3	CP	BPCDT	-19990917AAK
48	WVSX-DT	LEWISBURG WV	415.3	PLN	DTVPLN	-DTVP1407
49	WITV-DT	CHARLESTON SC	173.1	PLN	DTVPLN	-DTVP1431
49	WRET-TV	SPARTANBURG SC	120.2	LIC	BLET	-19810706KG
49	WITV-D.C	Charleston SC	173.1	P	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
49	WRAZ-DT	RALEIGH NC	DTVPLN	-DTVP1424

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WUPNTV	GREENSBORO NC	119.6	PLN	DTVPLN	-NPLN1734

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48	WCTI-DT	NEW BERN NC	125.8	PLN	DTVPLN	-DTVP1396
49	WITV-DT	CHARLESTON SC	324.0	PLN	DTVPLN	-DTVP1431
49	WRETTV	SPARTANBURG SC	310.7	PLN	DTVPLN	-NPLN1761
49	WLFG-DT	GRUNDY VA	342.5	PLN	DTVPLN	-DTVP1433
49	WHSV-DT	HARRISONBURG VA	325.2	PLN	DTVPLN	-DTVP1434
49	WJCB	NORFOLK VA	221.4	PLN	DTVPLN	-NPLN1764
50	WAXN-DT	KANNAPOLIS NC	203.7	PLN	DTVPLN	-DTVP1451
50	WRAZ	RALEIGH NC	0.0	PLN	DTVPLN	-NPLN1777

Results for: 49A NC RALEIGH DTVPLN DTVP1424 PLN

HAAT 548.0 m, ATV ERP 198.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2001584	31999.0
not affected by terrain losses	1997196	31854.0
lost to NTSC IX	1111	56.4
lost to additional IX by ATV	22200	149.0
lost to ATV IX only	22320	165.1
lost to all IX	23311	205.4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
50	WRAZ	RALEIGH NC	DTVPLN	-NPLN1777

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WRAY-DT	WILSON NC	39.1	PLN	DTVPLN	-DTVP1200
43	WFXB	MYRTLE BEACH SC	175.6	PLN	DTVPLN	-NPLN1648
47	WRMY	ROCKY MOUNT NC	56.7	PLN	DTVPLN	-NPLN1720
48	WUPNTV	GREENSBORO NC	119.6	PLN	DTVPLN	-NPLN1734
48	WCTI-DT	NEW BERN NC	125.8	PLN	DTVPLN	-DTVP1396
49	WRAZ-DT	RALEIGH NC	0.0	PLN	DTVPLN	-DTVP1424
50	WBDCTV	WASHINGTON DC	388.8	PLN	DTVPLN	-NPLN1771
50	WAXN-DT	KANNAPOLIS NC	203.7	PLN	DTVPLN	-DTVP1451
50	WOAY-DT	OAK HILL WV	344.2	PLN	DTVPLN	-DTVP1467
51	WFMY-DT	GREENSBORO NC	119.6	PLN	DTVPLN	-DTVP1484
52	WTVD-DT	DURHAM NC	1.0	PLN	DTVPLN	-DTVP1515
53	WRAL-DT	RALEIGH NC	0.0	PLN	DTVPLN	-DTVP1532
54	WECT-DT	WILMINGTON NC	122.3	PLN	DTVPLN	-DTVP1552
57	WLFL-DT	RALEIGH NC	25.7	PLN	DTVPLN	-DTVP1611
64	WAXN	KANNAPOLIS NC	203.7	PLN	DTVPLN	-NPLN1963

Results for: 50N NC RALEIGH DTVPLN NPLN1777 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	2001584	31994.9
not affected by terrain losses	1988735	31531.9
lost to NTSC IX	4068	177.2
lost to additional IX by ATV	100945	1143.5
lost to all IX	105013	1320.7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WRAZ-DT	RALEIGH NC	BMPCDT	-19990713KJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WUPN-TV	GREENSBORO NC	118.8	CP	BPCT	-20000814ABU
48	WCTI-DT	NEW BERN NC	125.1	PLN	DTVPLN	-DTVP1396
49	WITV-DT	CHARLESTON SC	324.1	PLN	DTVPLN	-DTVP1431
49	WRET-TV	SPARTANBURG SC	311.4	LIC	BLET	-19810706KG
49	WLFG-DT	GRUNDY VA	343.2	CP	BPCDT	-19991029AGK
49	WLFG-DT	GRUNDY VA	343.2	PLN	DTVPLN	-DTVP1433
49	WHSV-DT	HARRISONBURG VA	325.4	CP	BPCDT	-19991028ADT
49	WHSV-DT	HARRISONBURG VA	325.4	PLN	DTVPLN	-DTVP1434
49	WPXV	NORFOLK VA	220.9	LIC	BLCT	-20020225AAQ
50	WAXN-DT	KANNAPOLIS NC	204.3	LIC	BLCDT	-20020426AAN
50	WAXN-DT	KANNAPOLIS NC	204.3	PLN	DTVPLN	-DTVP1451
50	WRAZ	RALEIGH NC	0.8	LIC	BLCT	-19950925KE
50	WGNT	PORTSMOUTH VA	224.1	GRANT	BPRM	-20000413AAH
50	WGNT-DT	PORTSMOUTH VA	224.2	LIC	BLCDT	-20020718AAK
49	WITV-D.C	Charleston SC	324.1	P	CUR	-PROPOSED

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 4
Before Analysis

Results for: 49A NC RALEIGH BMPCDT 19990713KJ CP
HAAT 614.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2380775	43458.7
not affected by terrain losses	2375712	43208.9
lost to NTSC IX	24216	459.4
lost to additional IX by ATV	9034	519.9
lost to ATV IX only	9838	572.2
lost to all IX	33250	979.3

Potential Interferring Stations Included in above Scenario 1

48N NC GREENSBORO	BPCT	20000814ABU	CP
49N SC SPARTANBURG	BLET	19810706KG	LIC
49N VA NORFOLK	BLCT	20020225AAQ	LIC
48A NC NEW BERN	DTVPLN	DTVP1396	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
49A VA HARRISONBURG	BPCDT	19991028ADT	CP

After Analysis

Results for: 49A NC RALEIGH BMPCDT 19990713KJ CP
HAAT 614.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2380775	43458.7

not affected by terrain losses	2375712	43208.9
lost to NTSC IX	24216	459.4
lost to additional IX by ATV	9034	519.9
lost to ATV IX only	9838	572.2
lost to all IX	33250	979.3

Potential Interferring Stations Included in above Scenario 1

48N NC GREENSBORO	BPCT	20000814ABU	CP
49N SC SPARTANBURG	BLET	19810706KG	LIC
49N VA NORFOLK	BLCT	20020225AAQ	LIC
48A NC NEW BERN	DTVPLN	DTVP1396	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
49A VA HARRISONBURG	BPCDT	19991028ADT	CP
49A SC Charleston	CUR	PROPOSED	P
*Percent Service lost without proposal:		-18.0	to BMPCDT 19990713KJ
*Percent Service lost with proposal:		-18.0	to BMPCDT 19990713KJ

Result key: 2
 Scenario 2 Affected station 4
 Before Analysis

Results for: 49A NC RALEIGH BMPCDT 19990713KJ CP
 HAAT 614.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2380775	43458.7
not affected by terrain losses	2375712	43208.9
lost to NTSC IX	24216	459.4
lost to additional IX by ATV	9034	519.9
lost to ATV IX only	9838	572.2
lost to all IX	33250	979.3

Potential Interferring Stations Included in above Scenario 2

48N NC GREENSBORO	BPCT	20000814ABU	CP
49N SC SPARTANBURG	BLET	19810706KG	LIC
49N VA NORFOLK	BLCT	20020225AAQ	LIC
48A NC NEW BERN	DTVPLN	DTVP1396	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
49A VA HARRISONBURG	DTVPLN	DTVP1434	PLN

After Analysis

Results for: 49A NC RALEIGH BMPCDT 19990713KJ CP
 HAAT 614.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2380775	43458.7
not affected by terrain losses	2375712	43208.9
lost to NTSC IX	24216	459.4
lost to additional IX by ATV	9034	519.9

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lost to ATV IX only	9838	572.2
lost to all IX	33250	979.3

Potential Interfering Stations Included in above Scenario 2

48N NC GREENSBORO	BPCT	20000814ABU	CP
49N SC SPARTANBURG	BLET	19810706KG	LIC
49N VA NORFOLK	BLCT	20020225AAQ	LIC
48A NC NEW BERN	DTVPLN	DTVP1396	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
49A VA HARRISONBURG	DTVPLN	DTVP1434	PLN
49A SC Charleston	CUR	PROPOSED	P
*Percent Service lost without proposal:		-18.0	to BMPCDT 19990713KJ
*Percent Service lost with proposal:		-18.0	to BMPCDT 19990713KJ

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WRAZ-DT	RALEIGH NC	DTVPLN	-DTVP1424

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WUPN-TV	GREENSBORO NC	118.1	CP	BPCT	-20000814ABU
48	WCTI-DT	NEW BERN NC	125.8	PLN	DTVPLN	-DTVP1396
49	WITV-DT	CHARLESTON SC	324.0	PLN	DTVPLN	-DTVP1431
49	WRET-TV	SPARTANBURG SC	310.7	LIC	BLET	-19810706KG
49	WLFG-DT	GRUNDY VA	342.5	CP	BPCDT	-19991029AGK
49	WLFG-DT	GRUNDY VA	342.5	PLN	DTVPLN	-DTVP1433
49	WHSV-DT	HARRISONBURG VA	325.2	CP	BPCDT	-19991028ADT
49	WHSV-DT	HARRISONBURG VA	325.2	PLN	DTVPLN	-DTVP1434
49	WPXV	NORFOLK VA	221.4	LIC	BLCT	-20020225AAQ
50	WAXN-DT	KANNAPOLIS NC	203.7	LIC	BLCDDT	-20020426AAN
50	WAXN-DT	KANNAPOLIS NC	203.7	PLN	DTVPLN	-DTVP1451
50	WRAZ	RALEIGH NC	0.0	LIC	BLCT	-19950925KE
50	WGNT	PORTSMOUTH VA	224.6	GRANT	BPRM	-20000413AAH
50	WGNT-DT	PORTSMOUTH VA	224.7	LIC	BLCDDT	-20020718AAK
49	WITV-D.C	Charleston SC	324.0	P	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
49	WRETTV	SPARTANBURG SC	DTVPLN	-NPLN1761

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WIS -DT	COLUMBIA SC	129.1	PLN	DTVPLN	-DTVP1173
42	WTVI	CHARLOTTE NC	111.6	PLN	DTVPLN	-NPLN1623
45	WASV-DT	ASHEVILLE NC	76.1	PLN	DTVPLN	-DTVP1306
46	WJZY	BELMONT NC	80.4	PLN	DTVPLN	-NPLN1704
47	WJZY-DT	BELMONT NC	80.4	PLN	DTVPLN	-DTVP1365
48	WNGM-DT	ATHENS GA	204.9	PLN	DTVPLN	-DTVP1388
48	WACH-DT	COLUMBIA SC	120.2	PLN	DTVPLN	-DTVP1400
49	WXTX-DT	COLUMBUS GA	390.6	PLN	DTVPLN	-DTVP1416
49	WRAZ-DT	RALEIGH NC	310.7	PLN	DTVPLN	-DTVP1424
49	WITV-DT	CHARLESTON SC	292.9	PLN	DTVPLN	-DTVP1431
49	WLFG-DT	GRUNDY VA	217.3	PLN	DTVPLN	-DTVP1433
50	WAXN-DT	KANNAPOLIS NC	107.9	PLN	DTVPLN	-DTVP1451
53	WSPA-DT	SPARTANBURG SC	53.2	PLN	DTVPLN	-DTVP1537
56	WLOS-DT	ASHEVILLE NC	104.1	PLN	DTVPLN	-DTVP1588
57	WHNS-DT	ASHEVILLE NC	85.0	PLN	DTVPLN	-DTVP1610
57	WACH	COLUMBIA SC	120.2	PLN	DTVPLN	-NPLN1884
63	WQHB	SUMTER SC	176.8	PLN	DTVPLN	-NPLN1956
64	WAXN	KANNAPOLIS NC	107.9	PLN	DTVPLN	-NPLN1963

Results for: 49N SC SPARTANBURG	DTVPLN	NPLN1761	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	86351	686.7	
lost to additional IX by ATV	19068	429.7	
lost to all IX	105419	1116.4	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WRET-TV	SPARTANBURG SC	BLET	-19810706KG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WIS -DT	COLUMBIA SC	129.1	PLN	DTVPLN	-DTVP1173
42	WTVI	CHARLOTTE NC	111.6	LIC	BLET	-19920827KG
45	WASV-DT	ASHEVILLE NC	76.1	PLN	DTVPLN	-DTVP1306
45	WASV-DT	ASHEVILLE NC	76.1	CP	BPCDT	-19991101AGU
46	WJZY	BELMONT NC	80.4	LIC	BLCT	-19870320KU
47	WJZY-DT	BELMONT NC	80.4	CP	BPCDT	-19990927AAK
47	WJZY-DT	BELMONT NC	80.4	PLN	DTVPLN	-DTVP1365
47	NEW	COLUMBIA SC	120.2	APP	BNPCT	-20020320ACH
47	960722KG	COLUMBIA SC	120.2	APP	BPCT	-19960722KG

48	WNGM-DT	ATHENS GA	204.9	PLN	DTVPLN	-DTVP1388
48	WACH-DT	COLUMBIA SC	129.2	LIC	BLCDT	-20021204ABB
48	WACH-DT	COLUMBIA SC	120.2	PLN	DTVPLN	-DTVP1400
49	WXTX-DT	COLUMBUS GA	390.6	PLN	DTVPLN	-DTVP1416
49	WXTX	COLUMBUS GA	390.6	CP	BPCDT	-19991027ACY
49	WRAZ-DT	RALEIGH NC	311.4	CP MOD	BMPCDT	-19990713KJ
49	WRAZ-DT	RALEIGH NC	310.7	PLN	DTVPLN	-DTVP1424
49	WITV-DT	CHARLESTON SC	292.9	PLN	DTVPLN	-DTVP1431
49	WLFG-DT	GRUNDY VA	217.3	CP	BPCDT	-19991029AGK
49	WLFG-DT	GRUNDY VA	217.3	PLN	DTVPLN	-DTVP1433
50	WAXN-DT	KANNAPOLIS NC	107.9	LIC	BLCDT	-20020426AAN
50	WAXN-DT	KANNAPOLIS NC	107.9	PLN	DTVPLN	-DTVP1451
53	WSPA-DT	SPARTANBURG SC	53.2	CP MOD	BMPCDT	-20000428AAZ
53	WSPA-DT	SPARTANBURG SC	53.2	PLN	DTVPLN	-DTVP1537
53	WSPA-DT	SPARTANBURG SC	53.2	APP	BMPCDT	-20030408AAN
56	WLOS-DT	ASHEVILLE NC	104.1	PLN	DTVPLN	-DTVP1588
56	WLOS-DT	ASHEVILLE NC	104.1	CP	BPCDT	-19991018AAW
56	960919KV	FRANKLIN NC	146.3	APP	BPET	-19960919KV
57	WHNS-DT	ASHEVILLE NC	85.0	PLN	DTVPLN	-DTVP1610
57	WHNS-DT	ASHEVILLE NC	85.0	CP	BPCDT	-19991018AAX
57	WACH	COLUMBIA SC	129.2	CP	BPCT	-20020115AAF
63	WQHB	SUMTER SC	129.2	LIC	BLCT	-20020315AAF
63	NEW	ELIZABETHTON TN	166.4	ADD	BPRM	-19960725AAP
64	WAXN	KANNAPOLIS NC	107.9	LIC	BLCT	-20000211ABA
49	WITV-D.C	Charleston SC	292.9	P	CUR	-PROPOSED

Total scenarios = 24

Result key: 4
 Scenario 1 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG		BLET	19810706KG	LIC
	POPULATION	AREA (sq km)		
within Noise Limited Contour	1091226	16159.5		
not affected by terrain losses	1063092	15745.9		
lost to NTSC IX	80830	658.6		
lost to additional IX by ATV	21150	502.0		
lost to all IX	101980	1160.6		

Potential Interfering Stations Included in above Scenario 1

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDT	20020426AAN	LIC

53A SC SPARTANBURG BMPCDT 20000428AAZ CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21150	502.0	
lost to all IX	101980	1160.6	

Potential Interfering Stations Included in above Scenario 1

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P
*Percent new DTV interference without proposal:		1.9	BLET 19810706KG
*Percent new DTV interference with proposal:		1.9	BLET 19810706KG

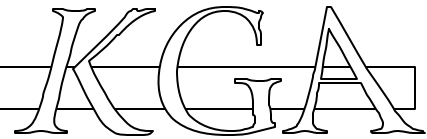
Result key: 5
 Scenario 2 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21149	502.0	
lost to all IX	101979	1160.6	

Potential Interfering Stations Included in above Scenario 2

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP

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50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21149	502.0	
lost to all IX	101979	1160.6	

Potential Interfering Stations Included in above Scenario 2

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDDT	19991101AGU	CP
47A NC BELMONT	BPCDDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 6
Scenario 3 Affected station 7
Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21150	502.0	
lost to all IX	101980	1160.6	

Potential Interfering Stations Included in above Scenario 3

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDDT	19991101AGU	CP
47A NC BELMONT	BPCDDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN

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49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21150	502.0	
lost to all IX	101980	1160.6	

Potential Interferring Stations Included in above Scenario 3

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDD	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P
*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 7
 Scenario 4 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21149	502.0	
lost to all IX	101979	1160.6	

Potential Interferring Stations Included in above Scenario 4

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDD	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP

49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21149	502.0	
lost to all IX	101979	1160.6	

Potential Interferring Stations Included in above Scenario 4

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 8
 Scenario 5 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21124	498.0	
lost to all IX	101954	1156.5	

Potential Interferring Stations Included in above Scenario 5

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC

49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21124	498.0	
lost to all IX	101954	1156.5	

Potential Interferring Stations Included in above Scenario 5

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P
*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 9
 Scenario 6 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21123	498.0	
lost to all IX	101953	1156.5	

Potential Interferring Stations Included in above Scenario 6

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP

48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21123	498.0	
lost to all IX	101953	1156.5	

Potential Interfering Stations Included in above Scenario 6

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P
*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 10
 Scenario 7 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21124	498.0	
lost to all IX	101954	1156.5	

Potential Interfering Stations Included in above Scenario 7

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP

47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21124	498.0	
lost to all IX	101954	1156.5	

Potential Interferring Stations Included in above Scenario 7

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P
*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 11
Scenario 8 Affected station 7
Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21123	498.0	
lost to all IX	101953	1156.5	

Potential Interferring Stations Included in above Scenario 8

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC

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45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	21123	498.0	
lost to all IX	101953	1156.5	

Potential Interferring Stations Included in above Scenario 8

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

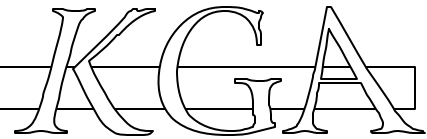
Result key: 12
 Scenario 9 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19534	465.8	
lost to all IX	100364	1124.4	

Potential Interferring Stations Included in above Scenario 9

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC

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64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19534	465.8	
lost to all IX	100364	1124.4	

Potential Interferring Stations Included in above Scenario 9

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P
*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 13
 Scenario 10 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19533	465.8	
lost to all IX	100363	1124.4	

Potential Interferring Stations Included in above Scenario 10

42N NC CHARLOTTE	BLET	19920827KG	LIC
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46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19533	465.8	
lost to all IX	100363	1124.4	

Potential Interfering Stations Included in above Scenario 10

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 14
 Scenario 11 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19534	465.8	
lost to all IX	100364	1124.4	

Potential Interfering Stations Included in above Scenario 11

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42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19534	465.8	
lost to all IX	100364	1124.4	

Potential Interfering Stations Included in above Scenario 11

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 15
 Scenario 12 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19533	465.8	
lost to all IX	100363	1124.4	

Potential Interfering Stations Included in above Scenario 12

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDD	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19533	465.8	
lost to all IX	100363	1124.4	

Potential Interfering Stations Included in above Scenario 12

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDD	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 16
 Scenario 13 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19508	461.8	
lost to all IX	100338	1120.4	

Potential Interferring Stations Included in above Scenario 13

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19508	461.8	
lost to all IX	100338	1120.4	

Potential Interferring Stations Included in above Scenario 13

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 17
 Scenario 14 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19507	461.8	
lost to all IX	100337	1120.4	

Potential Interferring Stations Included in above Scenario 14

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19507	461.8	
lost to all IX	100337	1120.4	

Potential Interferring Stations Included in above Scenario 14

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDT	20020426AAN	LIC
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 18
 Scenario 15 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19508	461.8	

lost to all IX 100338 1120.4

Potential Interferring Stations Included in above Scenario 15

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19508	461.8	
lost to all IX	100338	1120.4	

Potential Interferring Stations Included in above Scenario 15

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20000428AAZ	CP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 19
 Scenario 16 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	

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lost to additional IX by ATV	19507	461.8
lost to all IX	100337	1120.4

Potential Interferring Stations Included in above Scenario 16

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19507	461.8	
lost to all IX	100337	1120.4	

Potential Interferring Stations Included in above Scenario 16

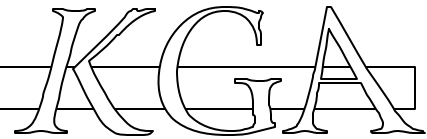
42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	DTVPLN	DTVP1537	PLN
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 20
Scenario 17 Affected station 7
Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	

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lost to NTSC IX	80830	658.6
lost to additional IX by ATV	20939	493.9
lost to all IX	101769	1152.5

Potential Interferring Stations Included in above Scenario 17

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	20939	493.9	
lost to all IX	101769	1152.5	

Potential Interferring Stations Included in above Scenario 17

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 21
 Scenario 18 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	

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not affected by terrain losses	1063092	15745.9
lost to NTSC IX	80830	658.6
lost to additional IX by ATV	20939	493.9
lost to all IX	101769	1152.5

Potential Interfering Stations Included in above Scenario 18

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDD	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	20939	493.9	
lost to all IX	101769	1152.5	

Potential Interfering Stations Included in above Scenario 18

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDD	20021204ABB	LIC
49A NC RALEIGH	BMPCDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 22
 Scenario 19 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	

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within Noise Limited Contour	1091226	16159.5
not affected by terrain losses	1063092	15745.9
lost to NTSC IX	80830	658.6
lost to additional IX by ATV	20913	489.9
lost to all IX	101743	1148.5

Potential Interfering Stations Included in above Scenario 19

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG

	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	20913	489.9	
lost to all IX	101743	1148.5	

Potential Interfering Stations Included in above Scenario 19

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.9	BLET	19810706KG
*Percent new DTV interference with proposal:	1.9	BLET	19810706KG

Result key: 23
 Scenario 20 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG

BLET	19810706KG	LIC
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	POPULATION	AREA (sq km)
within Noise Limited Contour	1091226	16159.5
not affected by terrain losses	1063092	15745.9
lost to NTSC IX	80830	658.6
lost to additional IX by ATV	20913	489.9
lost to all IX	101743	1148.5

Potential Interferring Stations Included in above Scenario 20

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	20913	489.9	
lost to all IX	101743	1148.5	

Potential Interferring Stations Included in above Scenario 20

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	BPCDT	19990927AAK	CP
48A SC COLUMBIA	BLCDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal: 1.9 BLET 19810706KG
 *Percent new DTV interference with proposal: 1.9 BLET 19810706KG

Result key: 24
 Scenario 21 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG BLET 19810706KG LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	1091226	16159.5
not affected by terrain losses	1063092	15745.9
lost to NTSC IX	80830	658.6
lost to additional IX by ATV	19323	457.8
lost to all IX	100153	1116.4

Potential Interferring Stations Included in above Scenario 21

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG BLET 19810706KG LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	1091226	16159.5
not affected by terrain losses	1063092	15745.9
lost to NTSC IX	80830	658.6
lost to additional IX by ATV	19323	457.8
lost to all IX	100153	1116.4

Potential Interferring Stations Included in above Scenario 21

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 25
 Scenario 22 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19323	457.8	
lost to all IX	100153	1116.4	

Potential Interferring Stations Included in above Scenario 22

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19323	457.8	
lost to all IX	100153	1116.4	

Potential Interferring Stations Included in above Scenario 22

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	BMPCDDT	19990713KJ	CP
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key:	26
Scenario	23 Affected station 7

Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19297	453.8	
lost to all IX	100127	1112.4	

Potential Interferring Stations Included in above Scenario 23

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19297	453.8	
lost to all IX	100127	1112.4	

Potential Interferring Stations Included in above Scenario 23

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	BLCDDT	20020426AAN	LIC
53A SC SPARTANBURG	BMPCDDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal:	1.8	BLET	19810706KG
*Percent new DTV interference with proposal:	1.8	BLET	19810706KG

Result key: 27

Scenario 24 Affected station 7
 Before Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19297	453.8	
lost to all IX	100127	1112.4	

Potential Interfering Stations Included in above Scenario 24

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20030408AAN	APP

After Analysis

Results for: 49N SC SPARTANBURG	BLET	19810706KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1091226	16159.5	
not affected by terrain losses	1063092	15745.9	
lost to NTSC IX	80830	658.6	
lost to additional IX by ATV	19297	453.8	
lost to all IX	100127	1112.4	

Potential Interfering Stations Included in above Scenario 24

42N NC CHARLOTTE	BLET	19920827KG	LIC
46N NC BELMONT	BLCT	19870320KU	LIC
64N NC KANNAPOLIS	BLCT	20000211ABA	LIC
45A NC ASHEVILLE	BPCDT	19991101AGU	CP
47A NC BELMONT	DTVPLN	DTVP1365	PLN
48A SC COLUMBIA	BLCDDT	20021204ABB	LIC
49A NC RALEIGH	DTVPLN	DTVP1424	PLN
49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
49A VA GRUNDY	BPCDT	19991029AGK	CP
50A NC KANNAPOLIS	DTVPLN	DTVP1451	PLN
53A SC SPARTANBURG	BMPCDT	20030408AAN	APP
49A SC Charleston	CUR	PROPOSED	P

*Percent new DTV interference without proposal: 1.8 BLET 19810706KG

*Percent new DTV interference with proposal: 1.8 BLET 19810706KG

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	WCBD-TV	CHARLESTON SC	BPRM	-20010827ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	WITV-DT	CHARLESTON SC	1.8	PLN	DTVPLN	-DTVP1431
50	WGNM-DT	MACON GA	361.4	PLN	DTVPLN	-DTVP1444
50	WAXN-DT	KANNAPOLIS NC	274.9	LIC	BLCDDT	-20020426AAN
50	WAXN-DT	KANNAPOLIS NC	274.9	PLN	DTVPLN	-DTVP1451
50	WRAZ	RALEIGH NC	322.2	LIC	BLCT	-19950925KE
51	WFXG-DT	AUGUSTA GA	205.9	CP	BPCDDT	-19991027AAX
51	WFXG-DT	AUGUSTA GA	205.9	PLN	DTVPLN	-DTVP1474
49	WITV-D.C	Charleston SC	1.8	P	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	WCBD-DT	CHARLESTON SC	BMPCDDT	-20020621AAK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	WITV-DT	CHARLESTON SC	1.8	PLN	DTVPLN	-DTVP1431
50	WGNM-DT	MACON GA	361.4	PLN	DTVPLN	-DTVP1444
50	WAXN-DT	KANNAPOLIS NC	274.9	LIC	BLCDDT	-20020426AAN
50	WAXN-DT	KANNAPOLIS NC	274.9	PLN	DTVPLN	-DTVP1451
50	WRAZ	RALEIGH NC	322.2	LIC	BLCT	-19950925KE
51	WFXG-DT	AUGUSTA GA	205.9	CP	BPCDDT	-19991027AAX
51	WFXG-DT	AUGUSTA GA	205.9	PLN	DTVPLN	-DTVP1474
49	WITV-D.C	Charleston SC	1.8	P	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

KESSLER & GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS



Channel Call City/State Application Ref. No.
 49 WITV-D.C Charleston SC CUR -PROPOSED

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WACH-DT	COLUMBIA SC	165.2	LIC	BLCDDT	-20021204ABB
48	WACH-DT	COLUMBIA SC	173.1	PLN	DTVPLN	-DTVP1400
49	WRAZ-DT	RALEIGH NC	324.1	CP MOD	BMPCDDT	-19990713KJ
49	WRAZ-DT	RALEIGH NC	324.0	PLN	DTVPLN	-DTVP1424
49	WITV-DT	CHARLESTON SC	0.0	PLN	DTVPLN	-DTVP1431
49	WRET-TV	SPARTANBURG SC	292.9	LIC	BLET	-19810706KG
50	WCBD-TV	CHARLESTON SC	1.8	GRANT	BPRM	-20010827ABK
50	WCBD-DT	CHARLESTON SC	1.8	CP MOD	BMPCDDT	-20020621AAK

Total scenarios = 2

Result key: 28
 Scenario 1 Affected station 10
 Before Analysis

Results for: 49A SC Charleston CUR PROPOSED P
 HAAT 521.0 m, ATV ERP 400.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	681215	28448.2
not affected by terrain losses	681215	28448.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	680977	27695.6
lost to ATV IX only	680977	27695.6
lost to all IX	680977	27695.6

Potential Interferring Stations Included in above Scenario 1

49A SC CHARLESTON	DTVPLN	DTVP1431	PLN
50A SC CHARLESTON	BMPCDDT	20020621AAK	CP
*Percent Service lost without proposal:	0.0	to CUR	PROPOSED
*Percent Service lost with proposal:	0.0	to CUR	PROPOSED

Result key: 29
 Scenario 2 Affected station 10
 Before Analysis

Results for: 49A SC Charleston CUR PROPOSED P
 HAAT 521.0 m, ATV ERP 400.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	681215	28448.2
not affected by terrain losses	681215	28448.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	680977	27695.6
lost to ATV IX only	680977	27695.6
lost to all IX	680977	27695.6



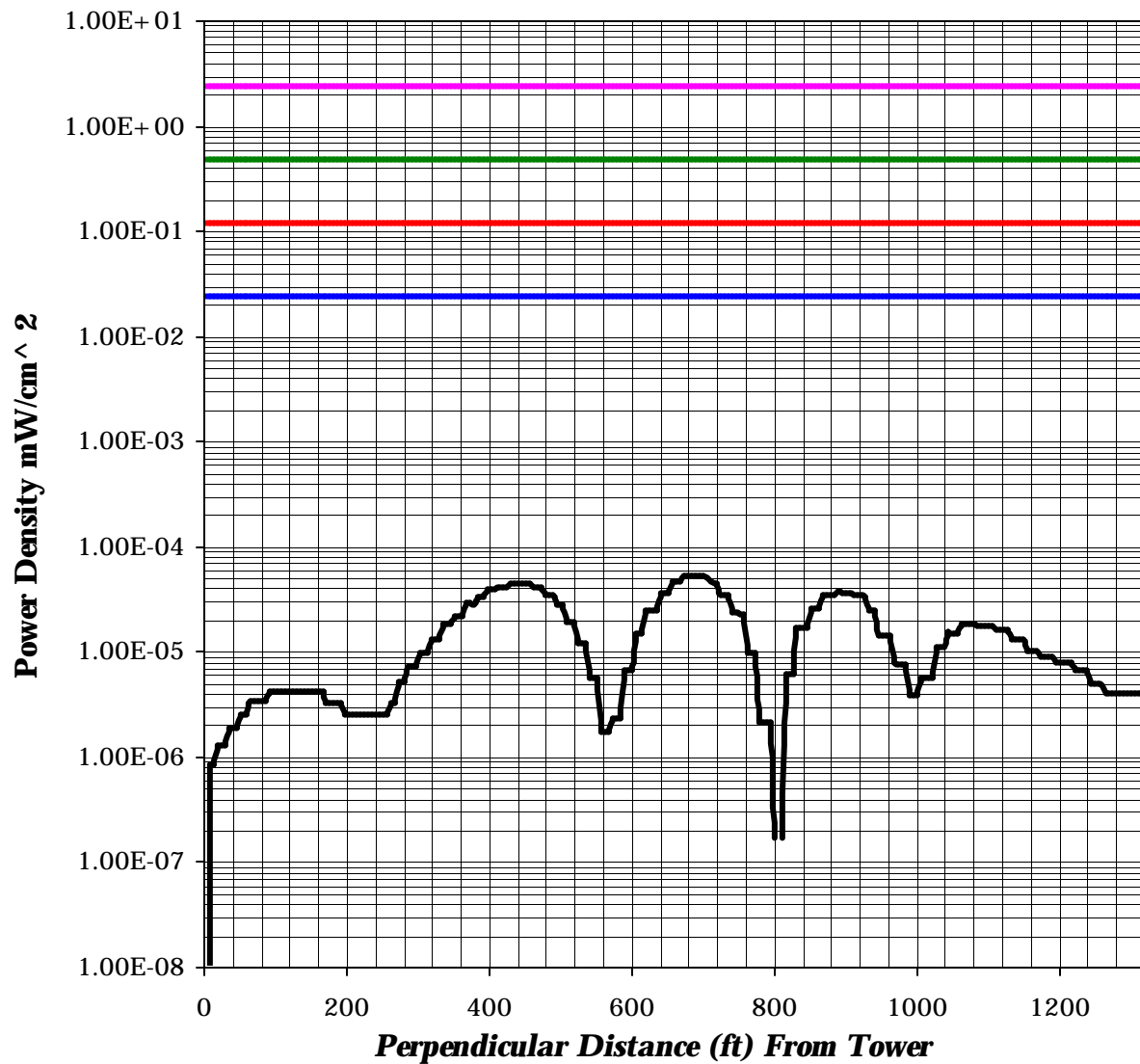
Potential Interferring Stations Included in above Scenario 2

49A SC CHARLESTON	DTVPLN	DTVP1431	PLN	
50A SC CHARLESTON	BPRM	20010827ABK	GRA	
*Percent Service lost without proposal:	0.0	to CUR	PROPOSED	
*Percent Service lost with proposal:	0.0	to CUR	PROPOSED	

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

FAR FIELD EXPOSURE TO RF EMISSIONS



- Maximum Occupational Controlled Exposure
- Maximum General Population or Uncontrolled Exposure
- 5% of Maximum Occupational Controlled Exposure
- 5% of Maximum General Population or Uncontrolled Exposure
- Proposed Power Density 2 Meters Above Ground Level

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EXHIBIT E7

METHODOLOGY AND EXPLANATION OF
ENVIRONMENTAL IMPACT / RADIO FREQUENCY RADIATION
HAZARD ANALYSIS

An analysis has been made of the human exposure to radio frequency radiation (“RFR”) using the calculation methodology described in *OET Bulletin 65, Edition, 97-01*. The resulting chart is conducted using the following methodology.

Methodology

Terrain¹ extraction is compiled from the proposed tower site through 0.25 miles in 0.001 mile increments for 360 radials. The power density is calculated for each terrain point at 6 feet above ground level using the elevation pattern of the proposed broadcast antenna. The power density calculations were conducted using the lower edge of the proposed channel frequency. To account for ground reflections, a coefficient of 1.6 was included in the calculation.

RFR Chart

For simplicity of display the following method was chosen to display the RFR values: Of the 360 radials the power density was analyzed and the maximum values were chosen for display for each 0.001 mile increment from the tower. The resulting maximum values were then charted as the black line.

The purple line represents the maximum occupational controlled exposure level for the given frequency.

The green line represents the maximum general population or uncontrolled exposure level for the given frequency.

The red line represents 5% of the maximum occupational controlled exposure level for the given frequency.

The blue line represents 5% of the maximum general population or uncontrolled exposure level for the given frequency.

¹ Terrain extraction is based upon a 3 arc second point spacing terrain database