Exhibit E-2 - Figure 6
James K. Cornick
Marion, Virginia
WIMZ Knoxville, Tennessee
Contour Calculations

WIMZ KNOXVILLE TN ! 022191 !
TABULATION OF TV/FM CONTOUR CALCULATIONS ON CHANNEL 278

AZIMUTH	ERP, KW.	HAAT (M)	70/50%	60/50%	40/10%
0	100	508.11	62.785	87.082	191.42
45	100	598.94	67.568	91.803	197.76
90	100	627.29	68.648	92.878	199.57
135	100	640.7	69.073	93.319	200.4
180	100	644.96	69.208	93.459	200.65
225	100	604.12	67.821	92.045	198.11
270	100	598.63	67.552	91.789	197.74
315	100	579.43	66.617	90.894	196.4
68	100	263.35	47.606	69.342	168.51

AREAS, Sq. Km. : 14287 26405 122880

OVERALL HEIGHT ABOVE AVERAGE TERRAIN = 600.26 (M)

ALL HEIGHTS IN METERS. ALL CONTOUR DISTANCES IN KILOMETERS.

ALL CONTOURS IN DBU AS DETERMINED BY BIVARIATE INTERPOLATION
USING VALUES FROM APPROPRIATE FCC F(50,50) AND F(50,10) CURVES.

FM BLANKETING CONTOUR 115 dBu = 2.45 MILES, 3.94 KM.
CALCULATED PURSUANT TO R&R 73.318(a) FOR MAXIMUM ERP.

Exhibit E-2 - Figure 7
James K. Cornick
Marion, Virginia
WIMZ Knoxville, Tennessee
Terrain Averaging Program

TERRAIN AVERAGING PROGRAM
BASED ON NGDC 30 SECOND DATABASE

2040-189 ¦ WIMZ KNOXVILLE TN ¦ 022191 ¦

N LAT: 360806
W LNG: 834329

BEARING DEG.	2-10 MI. ELEVATION METERS	FEET
0	435	1428
45	344	1130
90	316	1037
135	303	993
180	298	979
225	339	1113
270	345	1131
315	364	1194
68	336	1104
AVERAGE:	343	1126

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
TENNESSEE VALLEY AUTHORITY
MAPS AND SURVEYS BRANCH

ATKINS QUADRANGLE
VIRGINIA-SMYTH CO
7.5 MINUTE SERIES (TOPOGRAPHIC) 223 SW

Exhibit E-3 - Figure 1
James K. Cornick
Marion, Virginia
Site Map - Reduced

Mapped and edited by Tennessee Valley Authority
Published by the Geological Survey

Control by USGS, USGS, and TVA

Topography by multiplex methods from aerial photographs taken 1948. Field examination by TVA, 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Virginia (South) rectangular coordinate system

1000-meter Universal Transverse Mercator Grid ticks
Zone 17, shown in blue

Fine red dots for ex-ordinate selected fence and field lines, visible on aerial photographs. This information is unofficial

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242,
VIRGINIA DIVISION OF MINERAL RESOURCES CHARLOTTESVILLE, VIRGINIA 22903,
AND U. S. TENNESSEE VALLEY AUTHORITY, CHATTANOOGA, TENN. 37401 OR KNOXVILLE, TENN. 37902
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

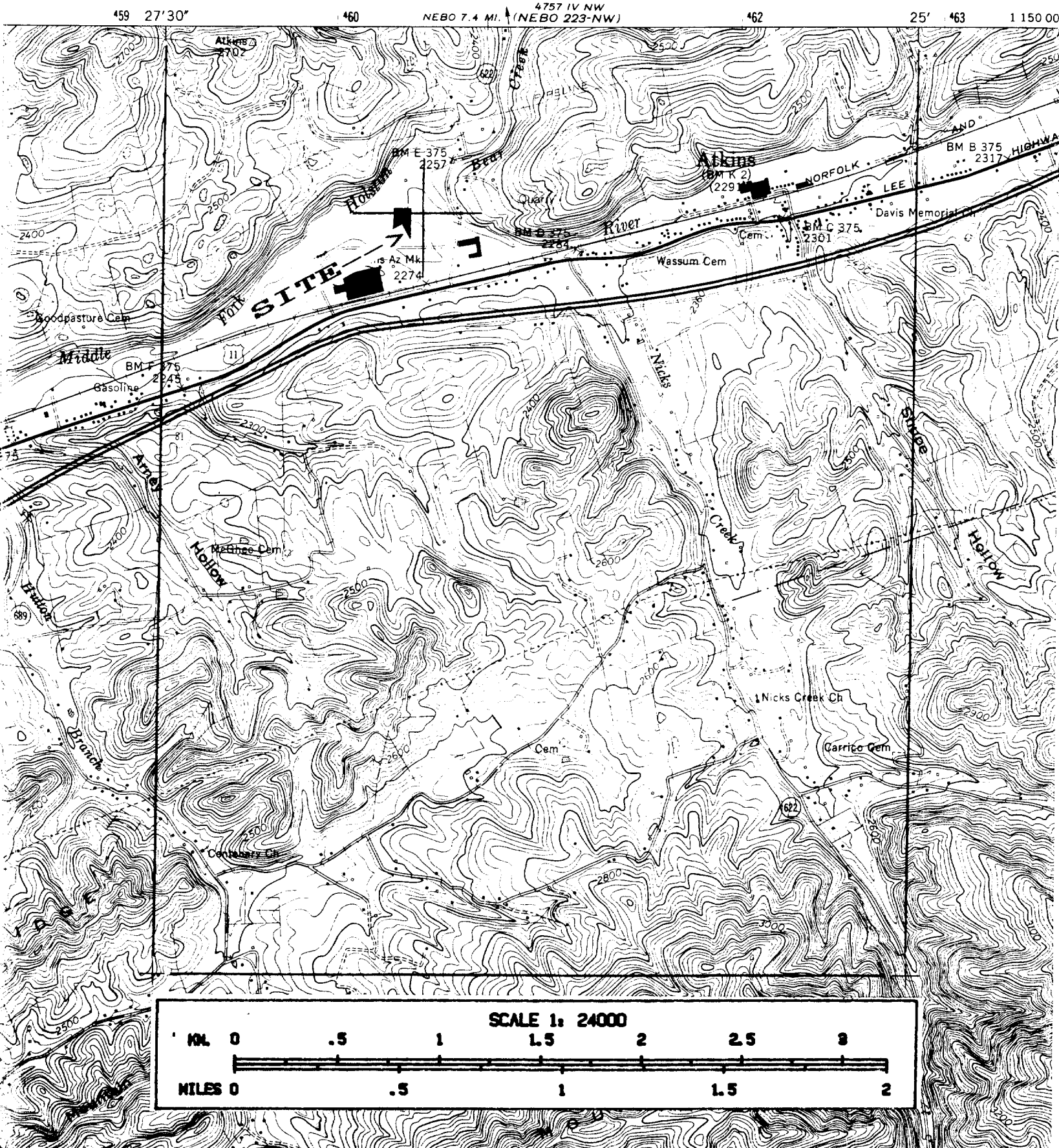
QUADRANGLE LOCATION

ROAD CLASSIFICATION

ATKINS, VA

Exhibit E-3 - Figure 2
James K. Cornick
Marion, Virginia
Site Map - Full Scale

UNITED STATES
TENNESSEE VALLEY AUTHORITY
MAPS AND SURVEYS BRANCH



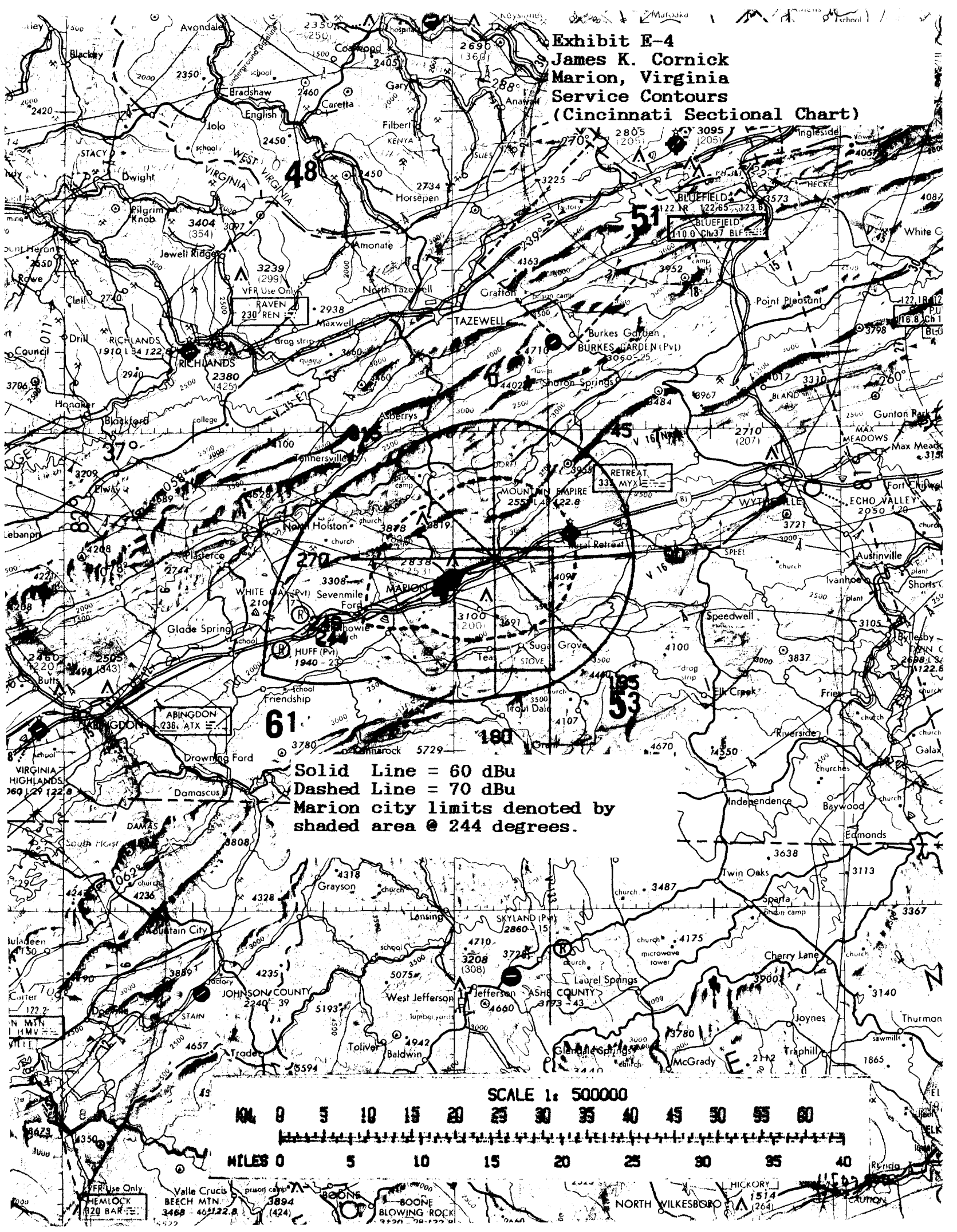


Exhibit E-4
James K. Cornick
Marion, Virginia
Service Contours
(Cincinnati Sectional Chart)
Solid Line = 60 dBu
Dashed Line = 70 dBu
Marion city limits denoted by
shaded area @ 244 degrees.
SCALE 1: 500000
KM 0 5 10 15 20 25 30 35 40 45 50 55 60
MILES 0 5 10 15 20 25 30 35 40
RICHLANDS
TAZEWELL
BLUEFIELD
MARION
ABINGDON
WYTHEVILLE
ECHO VALLEY
RETREAT
MOUNTAIN EMPIRE
JOHNSON COUNTY
ASHE COUNTY
VIRGINIA HIGHLANDS
WEST VIRGINIA
VIRGINIA
Avondale
Bradshaw
English
Caretta
Gary
Filbert
Horsepen
Amonate
North Tazewell
Grafton
Maxwell
Burkes Garden
Sharon Springs
Asberrys
Tannersville
North Holston
Plasterco
Sevenmile Ford
Glade Spring
Friendship
Trout Dale
Sugar Grove
Speedwell
Elk Creek
Riverside
Independence
Baywood
Edmonds
Twin Oaks
Sparta
Cherry Lane
Laurel Springs
Jefferson
West Jefferson
Lansing
Grayson
Mountain City
Trade
Toliver
Baldwin
Glendale Springs
McGrady
Joynes
Traphill
Thurmon
Austinville
Ivanhoe
Fries
Galax
Point Pleasant
Ingleside
Gunton Park
Max Meadows
Fort Chiswell
Drowning Ford
Damascus
Butts
Lebanon
Elway
Honaker
Blackford
Council
Drill
Clell
Rowe
Pilgrim Knob
Dwight
Jolo
Blackey
Coalwood
Anawalt
Keystone
Maroaka
Jewell Ridge
Mount Heron
Carter
Doeville
Valle Crucis
BEECH MTN
BOONE
BLOWING ROCK
NORTH WILKESBORO
HICKORY
HEMLOCK
VFR Use Only
RAVEN
RICHLANDS
BLUEFIELD
ABINGDON
HUFF (Pvt)
SKYLAND (Pvt)
MAX MEADOWS
ECHO VALLEY
STACY
STAIN
48
51
37°
270
61
53
180
45
90
15
18
6
244
270°
260°
288°
239°
270°
062°
135

Exhibit E-5 - Figure 1
James K. Cornick
Marion, Virginia
Contour Calculations

NEW MARION VA ¦ N365200 W812638 ¦ 022191 ¦ ED-21 2040T 2040C ¦
TABULATION OF TV/FM CONTOUR CALCULATIONS ON CHANNEL 278

AZIMUTH	ERP, KW.	HAAT (M)	70/50%	60/50%	40/10%
0	6	15.24	9.2425	15.948	68.571
45	6	-44.806	9.2425	15.948	68.571
90	6	-7.3153	9.2425	15.948	68.571
135	6	-127.71	9.2425	15.948	68.571
180	6	-102.72	9.2425	15.948	68.571
225	6	44.501	11.092	19.351	74.295
270	6	61.266	13.285	23.575	79.28
315	6	20.117	9.2425	15.948	68.571
243.55	6	108.51	16.687	29.562	88.203
249	6	96.013	15.578	27.978	86.018

AREAS, Sq. Km. : 318.89 964.59 15715

OVERALL HEIGHT ABOVE AVERAGE TERRAIN = -17.678 (M)

ALL HEIGHTS IN METERS. ALL CONTOUR DISTANCES IN KILOMETERS.

ALL CONTOURS IN DBU AS DETERMINED BY BIVARIATE INTERPOLATION
USING VALUES FROM APPROPRIATE FCC F(50,50) AND F(50,10) CURVES.

FM BLANKETING CONTOUR 115 dBu = .60 MILES, .97 KM.
CALCULATED PURSUANT TO R&R 73.318(a) FOR MAXIMUM ERP.

Marion, VA, is located 7.08 kilometers at 243.55 (244°) degrees from the proposed site.

Exhibit E-5 - Figure 2
James K. Cornick
Marion, Virginia
Terrain Averaging Program

TERRAIN AVERAGING PROGRAM
BASED ON NGDC 30 SECOND DATABASE

2040-189 ¦ MARION VA ¦ 022191 ¦

N LAT: 365200
W LNG: 812638

BEARING DEG.	2-10 MI. ELEVATION METERS	FEET
0	771	2530
45	831	2727
90	794	2604
135	914	2999
180	889	2917
225	742	2434
270	725	2379
315	766	2514
244	678	2224
249	690	2265
AVERAGE:	804	2638

SECTION VI – EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees? ☐ Yes ☒ No

   If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

SECTION VII – CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirement of 47 C.F.R. Section 73.3580? ☒ Yes ☐ No

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose? ☒ Yes ☐ No

   If No, attach as an Exhibit, a full explantion. Exhibit No.

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

   Name of Person Contacted: Robert M. Cornick

   Telephone No. *(include area code)*: (703) 783-2257

   Person contacted: *(check one box below)*

   ☒ Owner ☐ Owner's Agent ☐ Other *(specify)*

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. *(See Section 304 of the Communications Act of 1934, as amended.)*

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant	Signature
James K. Cornick	James K. Cornick
Date	**Title**
March 8, 1991	Sole Proprietor

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 71 hours 45 minutes to 301 hours 30 minutes with an average of 118 hours 28 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0027), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.