



(REFERENCE COPY - Not for submission)

New NCE FM Construction Permit Application

File Number: **0000166494** | Submit Date: **11/05/2021** | Lead Call Sign: | FRN: **0027235043**
Service: **Full Power FM** | Purpose: **New NCE FM CP** | Status: **Pending** | Status Date: **11/05/2021** | Filing Status: **Active**

General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	No

Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule (s)?	No
	Total number of rule sections involved in this waiver request:	N/A

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Calvary Chapel Bible Broadcasting	1815 Colebrook Road Lebanon, PA 17042 United States	+1 (717) 507-5633	333dws@gmail.com	Company

Contact Representatives (2)

Contact Name	Address	Phone	Email	Contact Type
Matthew H. McCormick Fletcher, Heald & Hildreth, PLC	1300 North 17th Street Suite 1100 Arlington, VA 22209 United States	+1 (703) 812-0438	mccormick@fhhlaw.com	Legal Representative
Robert Moore RCM Enterprises	1908 Sweetbriar Goshen, IN 46528 United States	+1 (574) 534-2002	bobmoore@MapleNet.net	Technical Representative

Eligibility Certifications

Section	Question	Response
Eligibility Certifications	The applicant certifies that it is a:	Nonprofit educational organization, other than as described above.
	The applicant certifies that the Commission has previously granted a broadcast application identified here by file number that found this applicant qualified as a noncommercial educational entity with a qualifying educational program, and that the applicant will use the proposed station to advance a program similar to that the Commission has found qualifying in applicant's previous application.	No

	The applicant certifies that its governing documents (e.g., articles of incorporation, by-laws, charter, enabling statute, and/or other pertinent organizational document) permit the applicant to advance an educational program and that there is no provision in any of those documents that would restrict the applicant from advancing an educational program or complying with any Commission rule, policy, or provision of the Communications Act of 1934, as amended.	Yes
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Parties to the Application (4)

Party Name	Address	Phone	Email	Positional Interest
Calvary Chapel Bible Broadcasting	1815 Colebrook Road Lebanon, PA 17042	+1 (717) 507-5633	333dws@gmail.com	Positional Interest: Applicant Citizenship: United States Percentage of Votes: 0.0% Percentage of Total Assets: 100.0%
Denny Stichter <i>President and Board Member</i> Calvary Chapel Bible Broadcasting	1815 Colebrook Road Lebanon, PA 17042	+1 (707) 507-5633	333dws@gmail.com	Positional Interest: Director Citizenship: United States Percentage of Votes: 33.33% Percentage of Total Assets: 0.0%
Dale Reppert <i>Vice-President and Board Member</i> Calvary Chapel Bible Broadcasting	47 Freeman Drive Lebanon, PA 17042	+1 (717) 269-2022	dlreppert@comcast.net	Positional Interest: Director Citizenship: United States Percentage of Votes: 33.33% Percentage of Total Assets: 0.0%
Ernest Warlow <i>Secretary abd Board Member</i> Calvary Chapel Bible Broadcasting	474 Monroe Valley Drive Federicksburg, PA 17026	+1 (717) 507-7172	warlowe@comcast.net	Positional Interest: Director Citizenship: United States Percentage of Votes: 33.33% Percentage of Total Assets: 0.0%

Attributable Interest

Section	Question	Response
Equity and Financial Interests	Applicant certifies that equity and financial interests not listed in the Parties to the Application section are non-attributable pursuant to the notes to 47 C.F.R. Section 73.3555.	Yes
Other Authorizations	Does the applicant or any party to the application have an attributable interest in any other broadcast station(s).	Yes

Legal
Certifications

Section	Question	Response
Character Issues	Applicant certifies that neither the applicant nor any party to the application has or had any interest in, or connection with: (a) any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or (b) any pending broadcast application in which character issues have been raised.	Yes
Adverse Findings	Applicant certifies that, with respect to the applicant and each party to the application, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any laws related to any of the following; any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination.	Yes
Program Service Certification	Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	Yes
Local Public Notice	Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.	Yes
Equal Employment Opportunity (EEO)	If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Broadcast EEO Model Program Report.	N/A
Financial	The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.	Yes
	The applicant certifies that this application is contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political supervision.	N/A

Alien Ownership

Question	Response
1) Is the applicant a foreign government or the representative of any foreign government as specified in Section 310(a) of the Communications Act?	No
2) Is the applicant an alien or the representative of an alien? (Section 310(b)(1))	No
3) Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2))	No
4) Is the applicant an entity of which more than one-fifth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any entity organized under the laws of a foreign country? (Section 310(b)(3))	No
5) Is the applicant directly or indirectly controlled by any other entity of which more than one-fourth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any entity organized under the laws of a foreign country? (Section 310(b)(4))	No
6) Has the applicant received a declaratory ruling(s) under Section 310(b)(4) of the Communications Act?	No
6a) Enter the citation of the applicable declaratory ruling by DA/FCC number or the FCC Record citation, release date, or any other identifying information.	

7) Has there been any change in the applicant's foreign ownership since issuance of the declaratory ruling(s) cited in response to Question 6?	
8) Does the applicant certify that it is in compliance with the terms and conditions of the foreign ownership declaratory ruling(s) cited in response to Question 6?	
9) In connection with this application, is the applicant filing a foreign ownership Petition for Declaratory Ruling pursuant to Section 310(b)(4) of the Communications Act?	No

Fair Distribution
of Service

Section	Question	Response
Fair Distribution of Service	Applicant certifies that it provides a first aural (reception) service.	No
	Applicant certifies that: (a) it is a Tribal Applicant, as defined in 47 C.F.R. Section 73.7000; (b) the facilities proposed in this Application will provide Tribal Coverage, as defined in 47 C.F.R. Section 73.7000, of Tribal Lands occupied by the applicant Tribe(s); (c) the proposed community of license is located on Tribal Lands, as defined in 47 C.F.R. Section 73.7000; and (d) the proposed facility would be the first local Tribal-owned noncommercial educational transmission service at the proposed community of license.	No
	Applicant certifies that the proposed station will provide a first noncommercial aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people.	No
	Applicant certifies that the proposed station will provide a second noncommercial aural service, or an aggregated first and second noncommercial educational aural service, to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people.	No

Point System
Factors
/Tiebreakers

Section	Question	Response
Established Local Applicant	Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 CFR Section 73.7000, and that it is has placed documentation of its qualifications as an established local applicant in the applicant's public inspection file and has submitted to the Commission copies of the documentation.	No
	If the applicant certifies above that it qualifies for points as an "established local applicant," applicant pledges to maintain localism characteristics during the period from the grant of the construction permit until the station has achieved at least four years of on-air operations.	No

Diversity of Ownership	<p>Applicant certifies</p> <p>(1) that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized station (comparing radio to radio and television to television, including non-fill-in translator stations) in which any party to the application has an attributable interest as defined in 47 CFR Section 73.3555, and</p> <p>(2) that it has placed documentation of its diversity qualifications in the applicant's public inspection file and has submitted to the Commission copies of the documentation.</p>	Yes
	Is the applicant's certification to the question above based on a pledge to divest an attributable broadcast interest or resign from an attributable positional interest?	No
	If the applicant certifies above that it qualifies for points for "diversity of ownership," applicant and any party to the application pledge to comply with the restrictions on station modifications and acquisitions, as defined in 47 CFR Section 73.7005, during the period from grant of the construction permit until the station has achieved at least four years of on-air operations.	Yes
State-wide Network	<p>Applicant certifies that</p> <p>(a) it has NOT claimed a credit for diversity of ownership above;</p> <p>(b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and</p> <p>(c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	No
Technical Parameters	Applicant certifies that the numbers in the boxes below accurately reflect the new area and population that its proposal would serve with a 60 dBu signal measured in accordance with the standard predicted contours in 47 C.F. R. Section 73.313(c) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include new area proposed only (exclude any area already within the station's existing service area). (Points, if any, will be determined by FCC)	Yes
	New area served in square kilometers (excluding areas of water):	2087
	Population served based on the most recent census block data from the United State:	196115
Existing Authorizations	By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of the filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of relevant broadcast station authorizations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in the second question (pledge to divest an attributable broadcast interest /resign from an attributable positional interest) under Diversity of Ownership above.	2

Channel and Facility Information

Pending Applications	By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of the filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of pending applications for new or major changes to relevant broadcast stations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in the second question (pledge to divest an attributable broadcast interest/resign from an attributable positional interest) under Diversity of Ownership above.	2
Prior NCE applications	Applicant certifies that it applied for an NCE construction permit in a prior filing window and had its application accepted for filing and processed, but subsequently dismissed in favor of an applicant with superior points, or based on a tie-breaker preference.	No
	Applicant certifies that (1) it has been in continuous existence from the date of the previous filing window until the present, and (2) it does not hold any NCE construction permit or license.	N/A
Established Community Presence	Provide the date on which the applicant qualified as local. See 47 CFR Section 73.7000.	2016-02-22 00:00:00.0
	Applicant certifies that it has remained local at all times since this date.	Yes

Antenna Location Data

Section	Question	Response
Proposed Community of License	State	Pennsylvania
	City	HAZLETON
	Channel	202
	Frequency	88.3
Facility Type	Facility Type	Noncommercial Educational
Station Class	Station Class	A

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1025752
Coordinates (NAD83)	Latitude	40° 51' 00.0" N+
	Longitude	076° 06' 54.6" W-
	Structure Type	NNTANN-Antenna tower
	Overall Structure Height	89.6 meters
	Support Structure Height	86.9 meters
	Ground Elevation (AMSL)	591.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	Horizontal:223 meters Vertical:223 meters

Antenna
Technical Data

	Height of Radiation Center Above Average Terrain	Horizontal:247 meters Vertical:247 meters
	Height of Radiation Center Above Mean Sea Level	Horizontal:814.6 meters Vertical:814.6 meters
	Effective Radiated Power	Horizontal:0.400 Vertical: 0.400

Section	Question	Response
Antenna Type	Antenna Type	Directional

Directional Antenna Relative Field Value

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.578	90	1.0	180	0.198	270	1.0
10	0.637	100	0.822	190	0.25	280	1.0
20	0.762	110	0.653	200	0.314	290	1.0
30	0.77	120	0.519	210	0.396	300	1.0
40	0.97	130	0.412	220	0.498	310	1.0
50	1.0	140	0.327	230	0.627	320	0.844
60	1.0	150	0.26	240	0.79	330	0.67
70	1.0	160	0.207	250	0.994	340	0.532
80	1.0	170	0.18	260	1.0	350	0.551

Additional Azimuths

Degree	Value
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Technical
Certifications

Section	Question	Response
Environmental Effect	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306)	No
Broadcast Facility	Does the proposed facility comply with the applicable engineering standards and assignment requirements of 47 C.F.R. Sections 73.203, 73.207, 73.213, 73.315, 73.509, and 73.515?	Yes
Contour Protection	Does the proposed facility request processing pursuant to the contour protection provisions of 47 C.F.R Section 73.215?	No
Reasonable Site Assurance	Applicant certifies that it has reasonable assurance in good faith that the site or proposed structure at the location of its transmitting antenna will be available to the applicant for the applicant's intended purpose.	Yes
	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.	Yes

Certification

Section	Question	Response
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General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification § 1.2002(c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND /OR FORFEITURE (U.S. Code, Title 47, §503).	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Denny Stichter <i>President</i> 11/05/2021

Attachments

File Name	Uploaded By	Attachment Type	Description	Upload Status
<u>Broadcast Facility (01566603xB3D1E).pdf</u>	Applicant	Technical Certifications	Broadcast Facility	Done with Virus Scan and/or Conversion
<u>Calvary Chapel Bible Broadcasting -- Hazleton, PA Diversity of Ownership Exhibit (01568953xB3D1E).pdf</u>	Applicant	Point System Factor/Tie Breakers	Diversity of Ownership Exhibit	Done with Virus Scan and/or Conversion
<u>Consolidated Engineering Statement.doc</u>	Applicant			Done with Virus Scan and/or Conversion
<u>First and Second NCE Service (01566597xB3D1E).pdf</u>	Applicant	Fair Distribution of Service	First and Second NCE Services	Done with Virus Scan and/or Conversion

<u>Hazleton, PA -- Reasonable Assurance of Site Availability (01566607xB3D1E).pdf</u>	Applicant	Technical Certifications	Hazleton, PA -- Reasonable Assurance of Site Availability	Done with Virus Scan and/or Conversion
<u>Other Broadcast Authorizations (01566594xB3D1E).pdf</u>	Applicant	Attributable Interest	Other Broadcast Authorizations	Done with Virus Scan and/or Conversion
<u>Statement of Educational Objectives (01566590xB3D1E).pdf</u>	Applicant	Eligibility Certifications	Educational Objectives	Done with Virus Scan and/or Conversion
<u>Technical Certifications.pdf</u>	Applicant	Technical Certifications		Done with Virus Scan and/or Conversion

Diversity of Ownership Exhibit

Hazleton, Pennsylvania

I, Denny Stichter, declare under penalty of perjury:

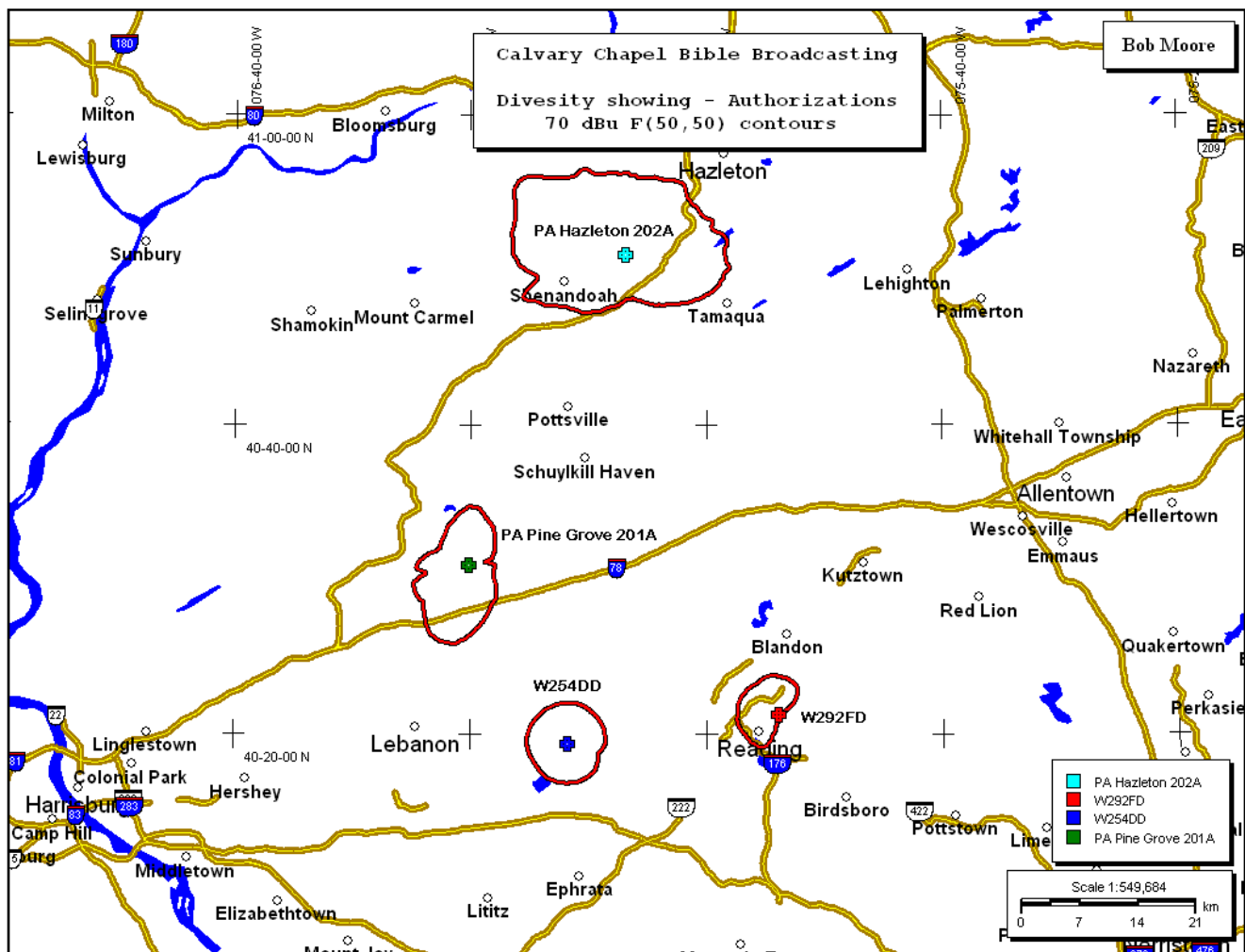
I am President and a Director of Calvary Chapel Bible Broadcasting ("CCBB"). CCBB is an applicant for new Noncommercial Educational ("NCE") Stations to be licensed to the communities of, respectively, Pine Grove, Pennsylvania and Hazleton, Pennsylvania.

CCBB is entitled to Diversity of Ownership points with respect to the Hazleton application. As demonstrated by the attached map prepared by Bob Moore, CCBB's Consulting Engineer, the principal community contour of the proposed Hazleton station does not overlap the principal community contour of either of the translators CCBB owns or the principal community contour of CCBB's proposed Pine Grove station.

CCBB and all parties to its applications pledge to comply with the restrictions on station modifications and acquisitions, as defined in 47 CFR Section 73.7005, during the period from grant of the Pine Grove construction permit until the station has achieved at least four years of on-air operations.

Dated November 5, 2021


Denny Stichter



Consolidated Engineering Statement New Station

Calvary Chapel Bible Broadcasting

Hazleton, PA 202A

Robert Moore
10/27/2021

Abstract	1
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TV Interference	8
FM Interference	10
Prop vs WRGN	10
Prop vs WYBQ	14
Prop vs WLKA	19
Prop vs WQSU.....	20
Prop vs WKRC	21
Radiation Hazard	22
Protected zone studies.....	24

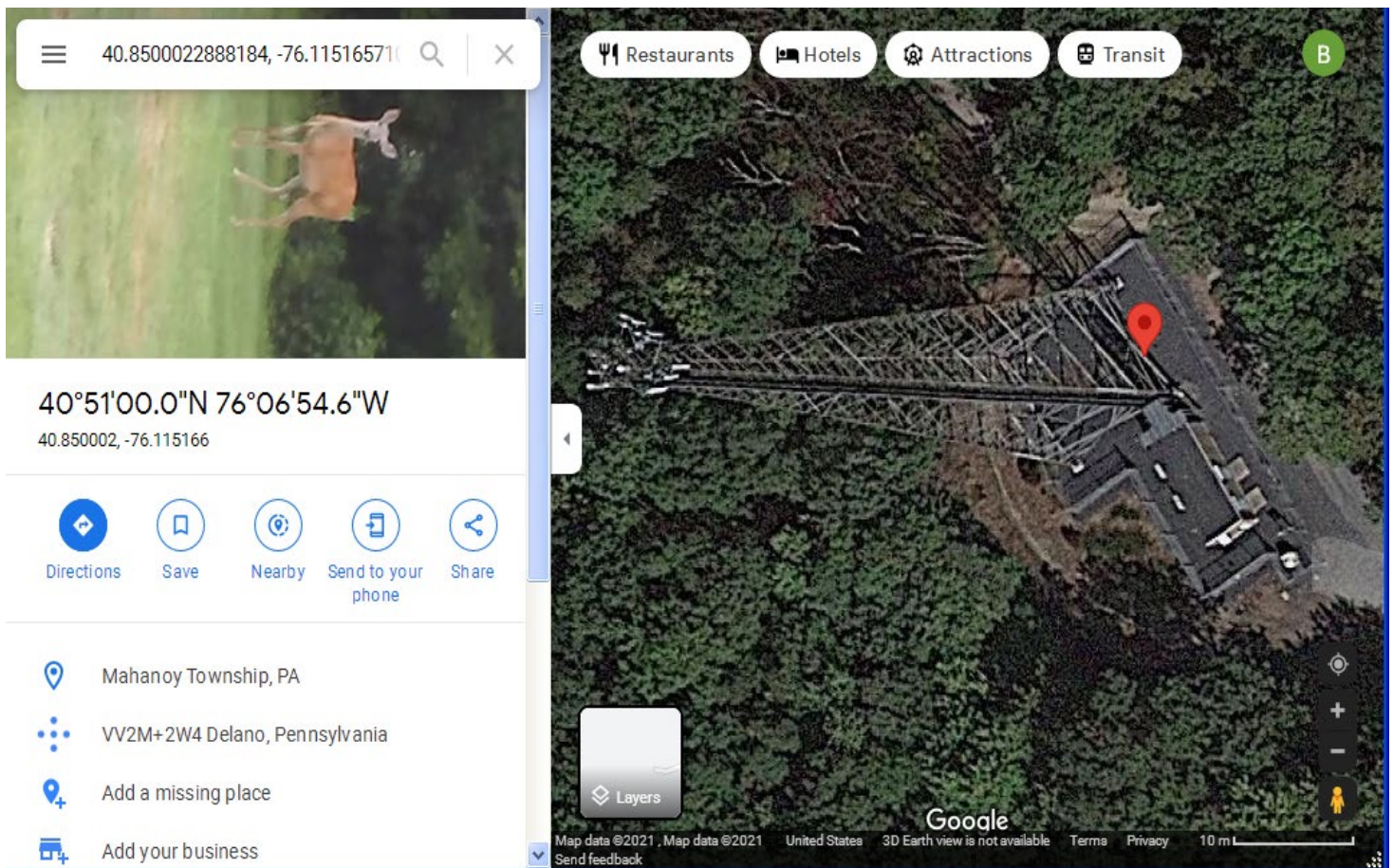
Abstract

This application proposes a new NCE FM station, at 240 feet in a n existing foot AGL (ASR 1025752) and a directional antenna.

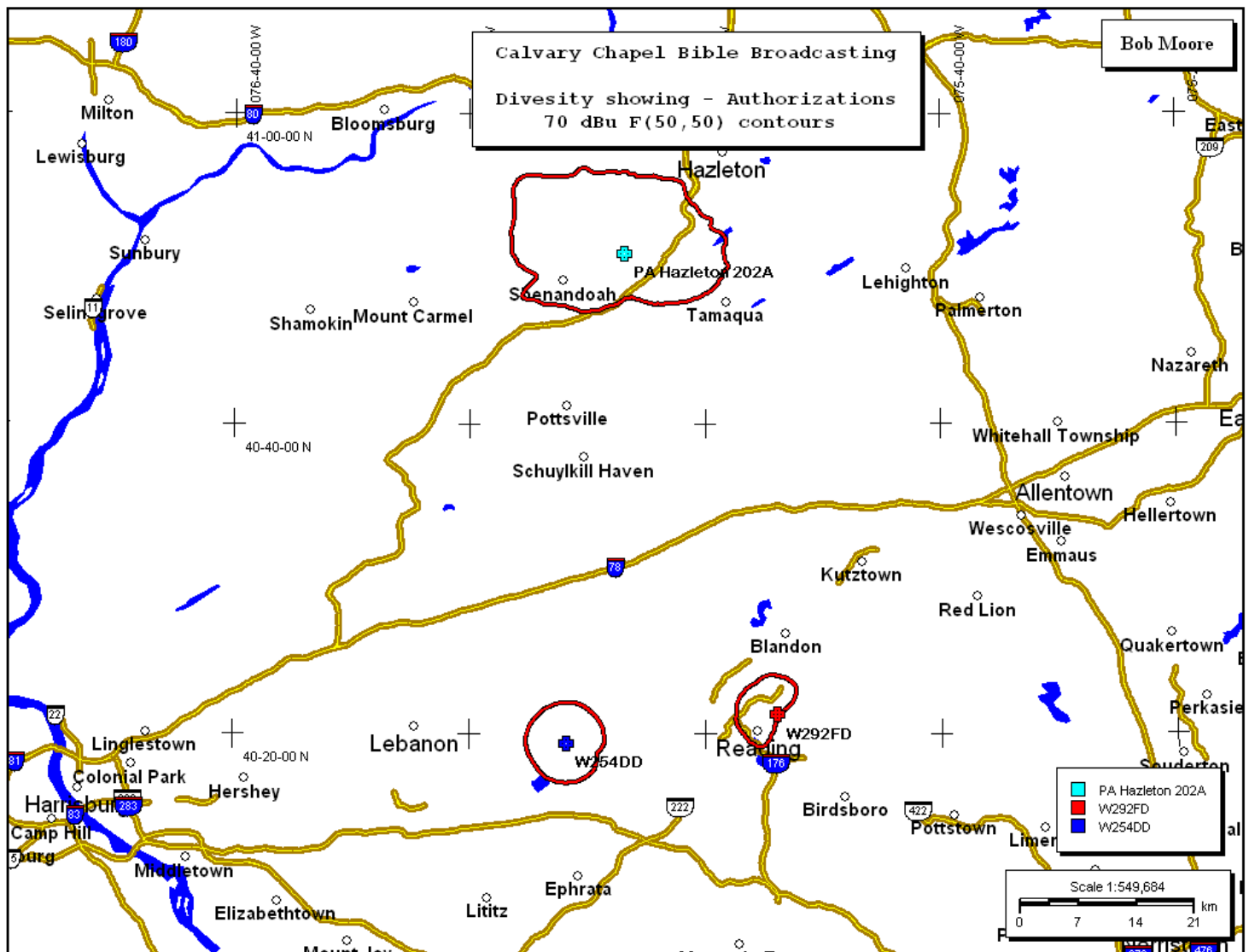
The application claims only diversity points.

Identification of the tower

#: 0
Dist: 0.00
Az: 0
ASR 1025752
NAD27: 405059.69 760655.84
NAD83: 405100.00 760654.60
Site El: 591.6m Height 89.6m Top AMSL 681.2m
Structure Type: TOWER
Location: PARK PLACE ROAD, MAHANOY CITY, PA
Dates Construction: 09/15/1994 Action: 12/31/2020
FAA Number: 2009-AEA-431-OE
FAA Circular Number: 70/7460-1K Chapter: 4, 8, 12
Owner: Octagon Towers, LLC
Ryan Lepene
57 E Washington St
Chagrin Falls, OH, 44022
(440)528-0333
rlepene@peppertreecapital.com

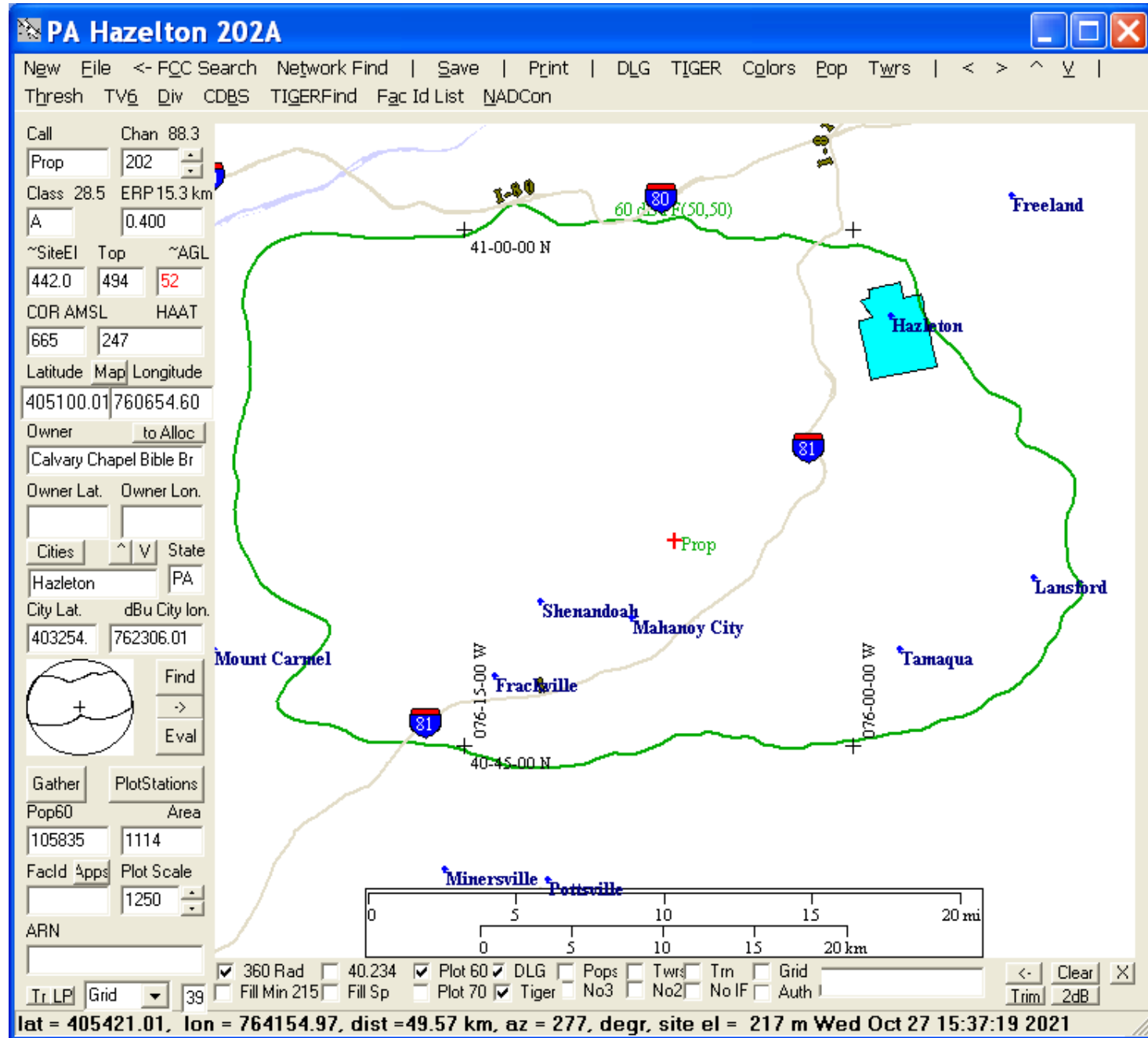


Diversity Showing

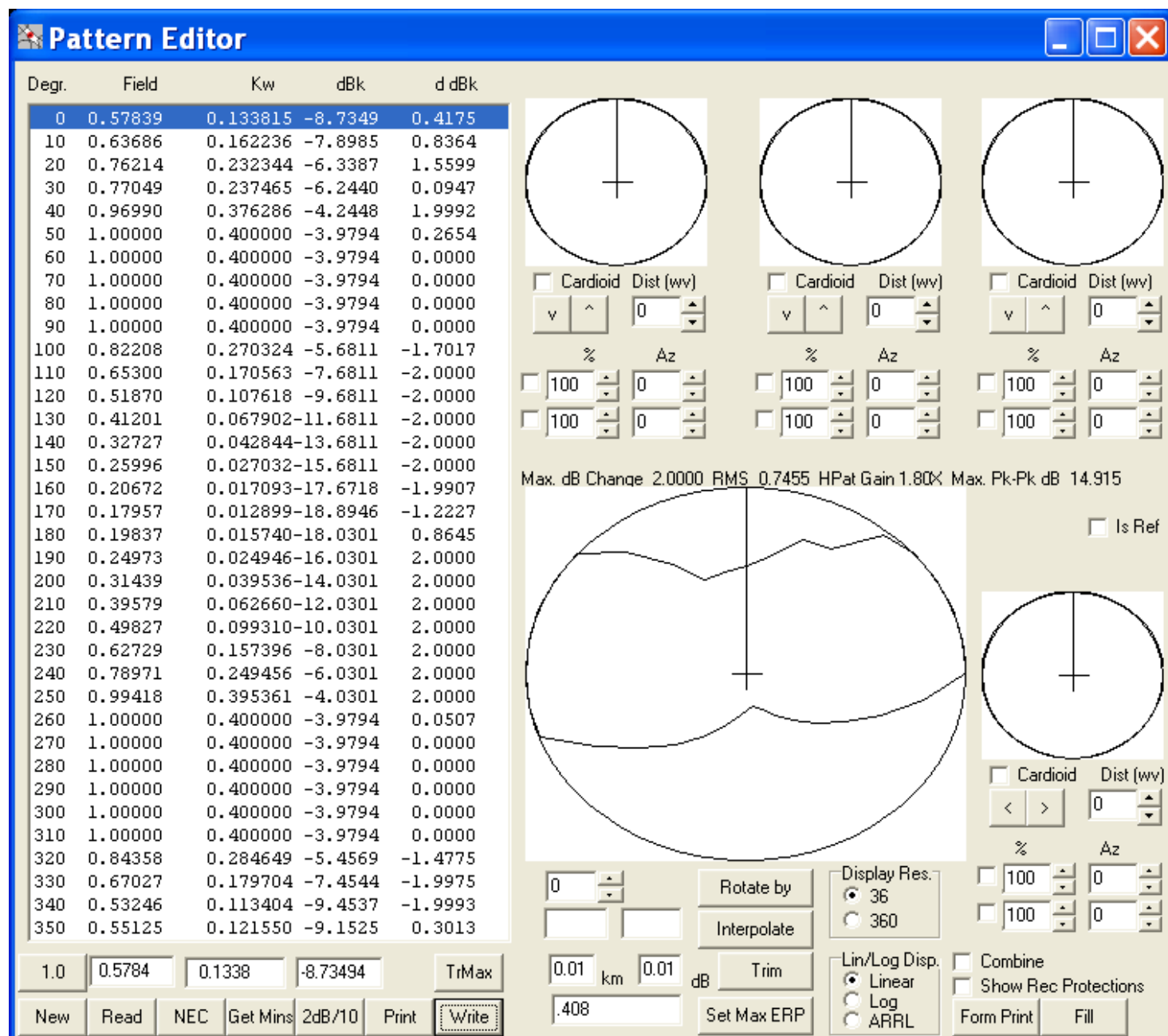


City coverage

The city of license is fully surrounded by the 60 dBu contour of the proposed facility.



Pattern Showing



To the extent possible with field values with 3 places after the decimal, the pattern conforms to the 2 dB/10 degree and the 15 dB max/min rules.

FM Interference

FMCommander Contour-to-Contour - HAAT Method= 0									
File Print Settings Class Channel < Down > Up Find Views WatchDog Help About									
IX Issue! FCC HGDC 30 Sec Canada N. Lat. 40 51 00.00 W. Lng. 76 06 54.60 665 m COR 0.4 kW DA CH 202. 88.3 Contours are detailed Hazleton PA M Prop 10-27-21 ref.vsf DATA: 10-11-21 - Zone 1									
Full Service									
	Type	Ch	Location		Azi	Dist	In	Out	
WPVI-TV	APP	06 1C	Philadelphia	PA	140.2	116.21	126.1R	-9.9M	
WPVI-TV	STA	06 1C	Philadelphia	PA	140.2	116.21	126.0R	-9.8M	
WPVI-TV	LI	06 1C	Philadelphia	PA	140.3	116.25	120.4R	-4.1M	
WPVI-TV-A	CHA-D	6 --	Philadelphia	PA	140.3	116.24	120.4R	-4.1M	
WRGN	LIC	201A	Sweet Valley	PA	359.1	49.85	0.1	1.8	
WYBQ	LIC-D	202A	Leesport	PA	174.0	42.56	7.7	0.1	
WLKA	LIC-D	202B1	Tafton	PA	35.1	94.52	8.6	11.4	
WQSU	LIC	205B	Selinsgrove	PA	282.4	54.66	25.7	9.1	
WKBS-TV«	LI	06 1C	Altoona	PA	261.7	198.45	115.0R	83.5M	
WKBS-TV-A«	CHA	6 --	Altoona	PA	261.7	198.45	97.5R	100.9M	
WRGB«	STA	06 1C	Schenectady	NY	40.8	263.52	121.7R	141.8M	
WRGB«	LI	06 1C	Schenectady	NY	40.8	263.52	114.7R	148.8M	
End of Screen List, Cardinal Radials = 36									

This tabulation shows minimal distances at all azimuths, not just along the straight lines.

Exhibit 15

Calvary Chapel Bible Broadcasting

Reference 202A ERP 0.400 kW HAAT 247 m COR 665 m AMSL
 405100.01 N 88.3 MHz Average protected F(50,50) 23.0 km
 760654.60 W Hazleton, PA

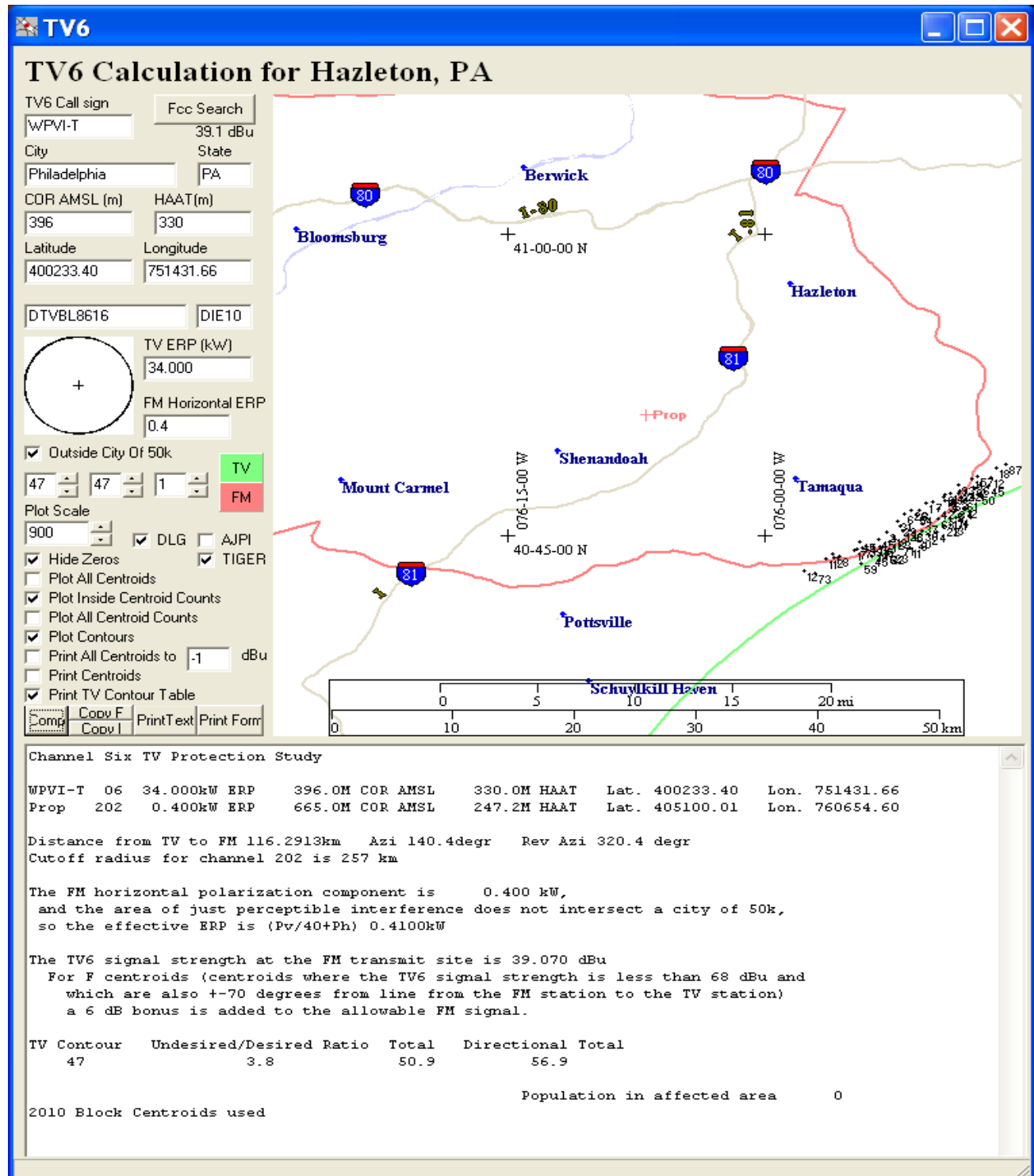
ChnCl	Call	Stat	Azi	Dist	FacId	Lat	*IN*	*OUT*	
	Pwr	COR	HAAT		ARN	Lon	Req.	Margin	
	Owner			City		St			
201A	WRGN	LIC	359	49.80	24681	411754.20	0.26	2.30	See map and FMOver
	0.500	503	92	BLED19890518KA		760726.70			
	Good News For Life			Sweet Valley		PA			
202A	WYBQ	LIC	174	42.51	175920	402809.30	8.45	0.46	See map and FMOver
	0.670D	240	84	BLED20130808AAO		760344.81			
	Bible Broadcasting N Leesport					PA			
202B1	WLKA	LIC	35	94.54	41202	413237.30	9.57	13.74	See map
	1.100D	690	251	BLED20110603ABQ		752742.59			
	Educational Media Fo Tafton					PA			
205B	WQSU	LIC	282	54.81	64184	405712.29	26.14	10.04	See map
	10.500	393	203	BLED20190227AAN		764503.90			
	Susquehanna Universi			Selinsgrove		PA			

This lower tabulation shows only direct line overlaps.

TV Interference

The Altoona and Schenectady facilities are fully spaced and need no further analysis

The Philadelphia facilities of WPVI are in two groups, a APP and STA group and a LIC and Digital authorization group. Within the groups, the data is identical



TV6 Calculation for Hazleton, PA

TV6 Call sign

Fcc Search

WPVI-T

41.2 dBu

City

State

Philadelphia

PA

COR AMSL (m)

HAAT(m)

398

332

Latitude

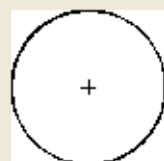
Longitude

400239.00

751425.01

0000034890

RCA0



TV ERP (kW)

56.000

FM Horizontal ERP

0.4

☒ Outside City Of 50k

47

49

1

TV

FM

Plot Scale

900

☒ DLG☐ AJPI☒ Hide Zeros☒ TIGER☐ Plot All Centroids☒ Plot Inside Centroid Counts☐ Plot All Centroid Counts☒ Plot Contours☐ Print All Centroids to -1 dBu☐ Print Centroids☒ Print TV Contour Table

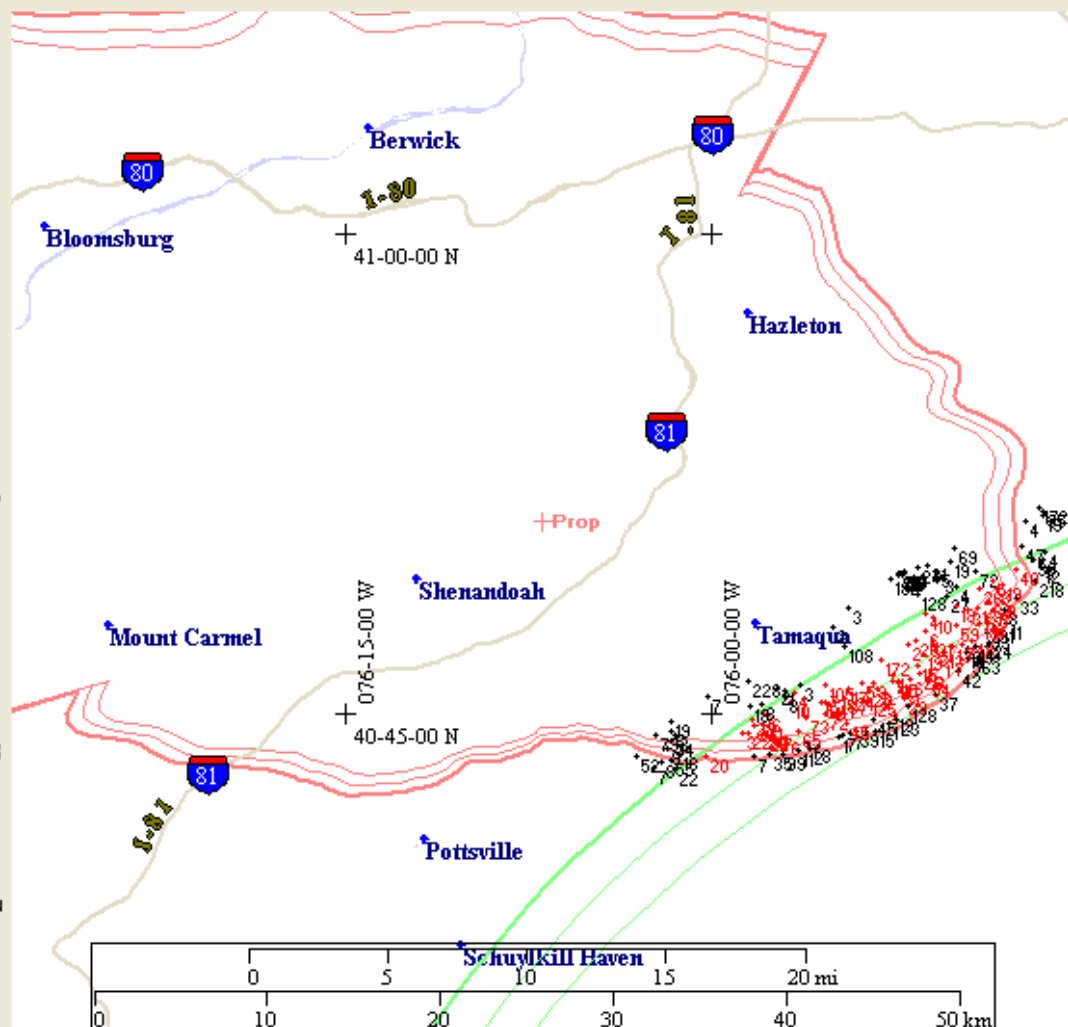
Comp

Comp F

Comp I

PrintText

Print Form



Channel Six TV Protection Study

WPVI-T 06 56.000kW ERP 398.0M COR AMSL 332.0M HAAT Lat. 400239.00 Lon. 751425.01
 Prop 202 0.400kW ERP 665.0M COR AMSL 247.2M HAAT Lat. 405100.01 Lon. 760654.60

Distance from TV to FM 116.2576km Azi 140.3degr Rev Azi 320.3 degr
 Cutoff radius for channel 202 is 257 km

The FM horizontal polarization component is 0.400 kW,
 and the area of just perceptible interference does not intersect a city of 50k,
 so the effective ERP is (Pv/40+Ph) 0.4100kW

The TV6 signal strength at the FM transmit site is 41.210 dBu

For F centroids (centroids where the TV6 signal strength is less than 68 dBu and
 which are also +/-70 degrees from line from the FM station to the TV station)
 a 6 dB bonus is added to the allowable FM signal.

TV Contour	Undesired/Desired Ratio	Total	Directional Total
47	3.8	50.9	56.9
48	3.5	51.5	57.5
49	3.1	52.1	58.1

Population in affected area 1832

2010 Block Centroids used

FM Interference

Prop vs WRGN

PA Hazleton 202A

New File <- FCC Search Network Find | Save | Print | DLG TIGER Colors Pop Twrs | < > ^ V |
Thresh TV6 Div CDBS TIGERFind Fac Id List NADCon

Call Chan 88.3

Prop 202

Class 28.5 ERP 23.0 km

A 0.400

~SiteEl Top ~AGL

442.0 494 52

COR AMSL HAAT

665 247

Latitude Map Longitude

405100.01 760654.60

Owner to Alloc

Calvary Chapel Bible Br

Owner Lat. Owner Lon.

Cities ^ V State

Hazleton PA

City Lat. dBu City Lon.

405712. 755807.00

Find

->

Eval

Gather Plot Stations

Pop60 Area

196115 2087

FacId Apps Plot Scale

500

ARN

Tr LP Grid 39

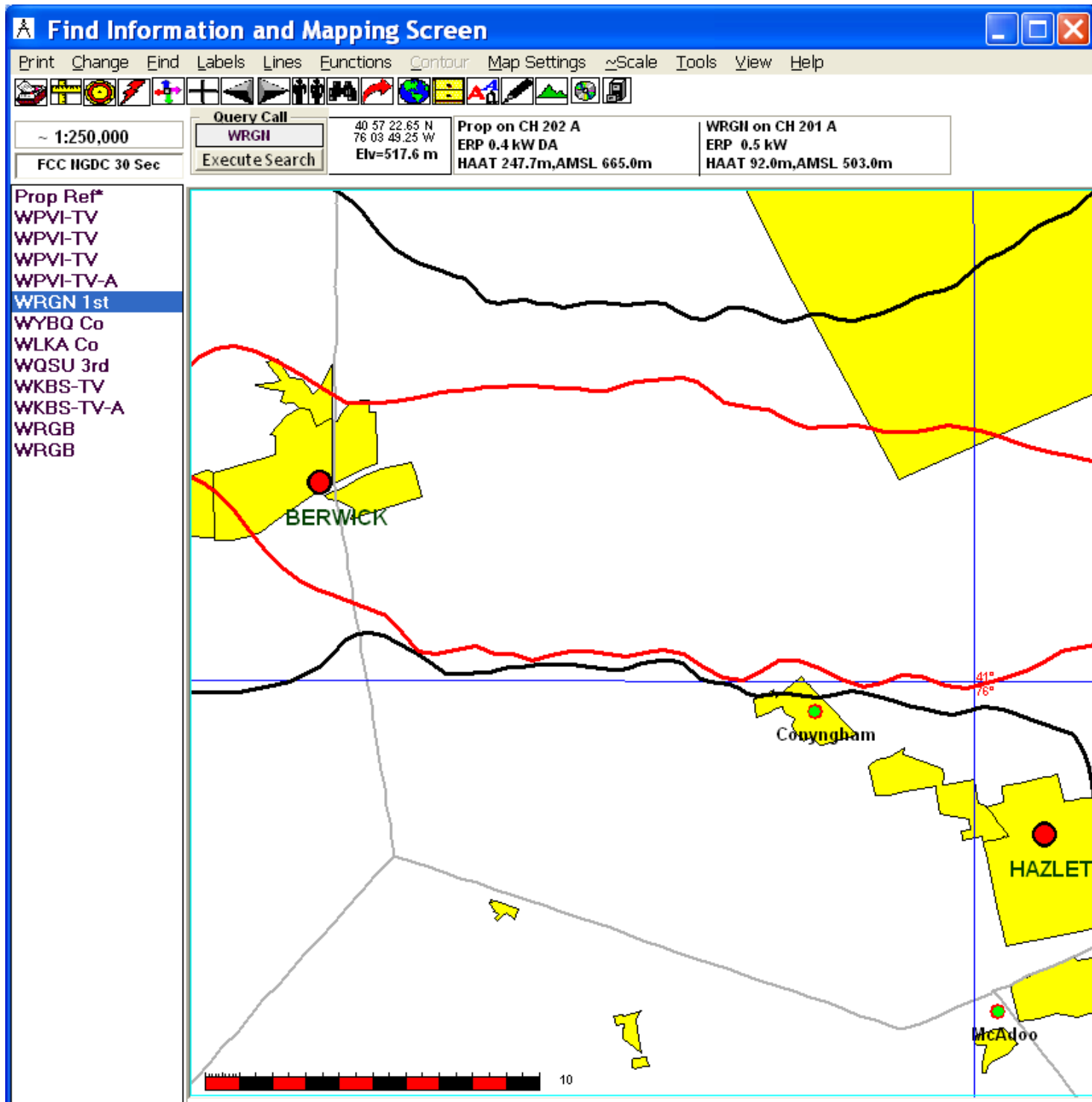
360 Rad 40.234 Plot 60 DLG Pops Twrs Trn Grid

Fill Min 215 Fill Sp Plot 70 Tiger No3 No2 No IF Auth

Clear Trim 2dB

Call	Chan	St...	Dist	Az	City	St	*IN*	*OUT*	MaxPwr	Margin	HAAT	ERP kW	Owner
WRGN	201A	LIC	49.80	359	Sweet Val...	PA	0.3	2.3	0.140		92	0.500	Good News For I
WYBQ	202A	LIC	42.51	174	Leesport	PA	8.4	0.5	0.014		84	0.6700	Bible Broadcastir
WLKA	202B1	LIC	94.54	35	Tafton	PA	9.6	13.7	0.885		251	1.1000	Educational Med
WQSU	205B	LIC	54.81	282	Selinsgrove	PA	26.1	10.0	12.199		203	10.500	Susquehanna Ur
WEVB-L	256L1	LIC	16.53	45	Hazleton	PA				11.03	88	0.012	Iglesia Evangelic
WRKC	203A	LIC	48.55	24	Wilkes-Ba...	PA	15.0	11.0	0.989		-140	1.5000	Kings College
WDIY	201A	LIC	65.26	119	Allentown	PA	11.5	14.1	0.570		257	0.3000	Lehigh Valley Co
WBGM	201A	LIC	74.58	273	New Berlin	PA	24.1	20.7	3.017		127	0.5500	Montrose Broadc
WXPLC	203A	CP	100.98	303	Jersey Sh...	PA	28.1	29.5	5.247		190	0.9500	Williamsport Inde
WCOR	202B1	LIC	147.44	272	State Coll	PA	32.4	42.6	8.265		209	1.800	Familia Life Minist

lat = 400808.18, lon = 772011.71, dist = 130.44 km, az = 233, degr, site el = 193 m Wed Oct 27 16:25:32 2021



10-27-2021

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

Prop

WRGN BLED19890518KA

Channel = 202A

Max ERP = 0.4 kW

RCAMSL = 665 m

N. Lat. 40 51 00.00

W. Lng. 76 06 54.60

Protected

60 dBu

Channel = 201A

Max ERP = 0.5 kW

RCAMSL = 503 m

N. Lat. 41 17 54.20

W. Lng. 76 07 26.70

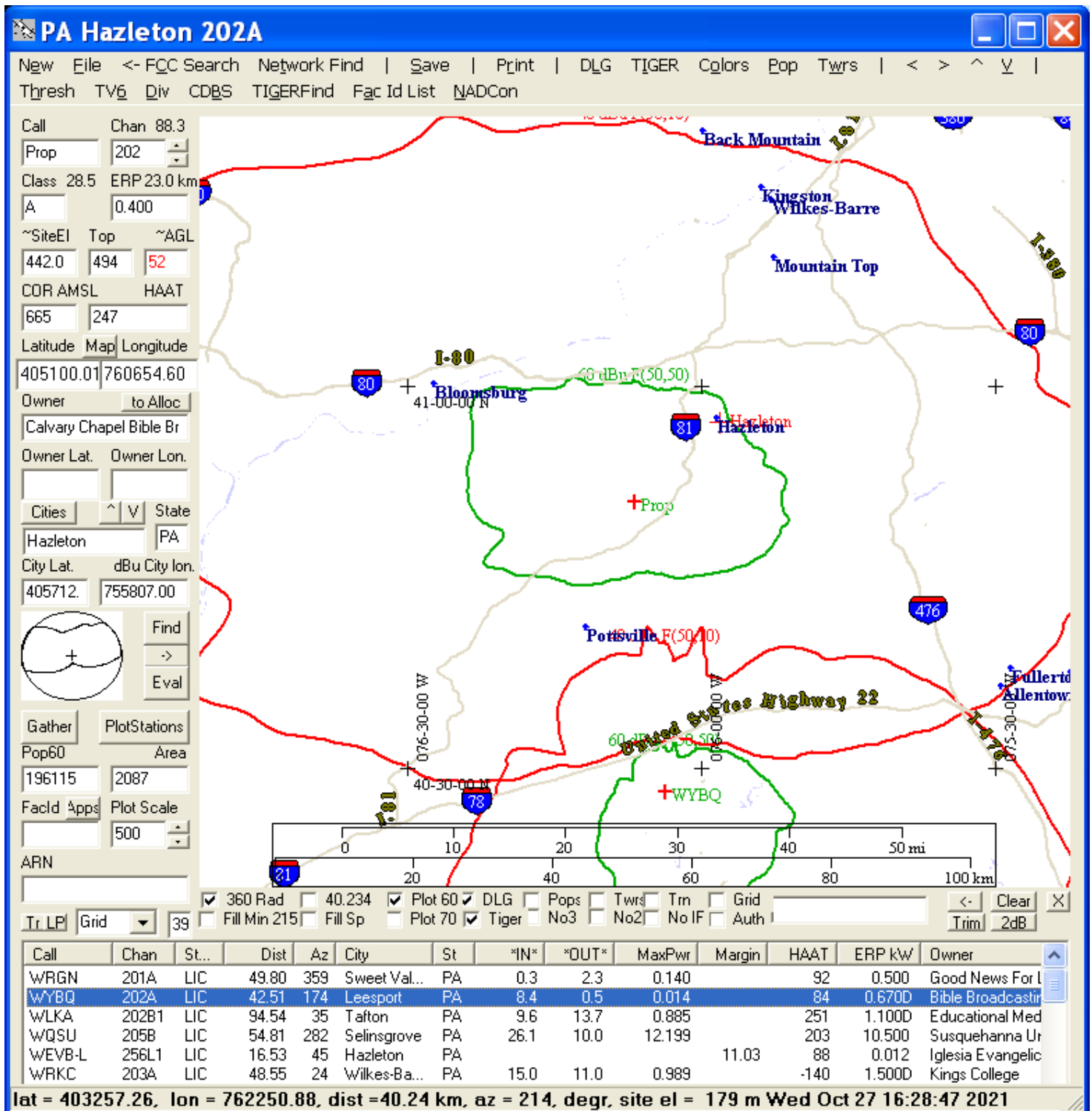
Interfering

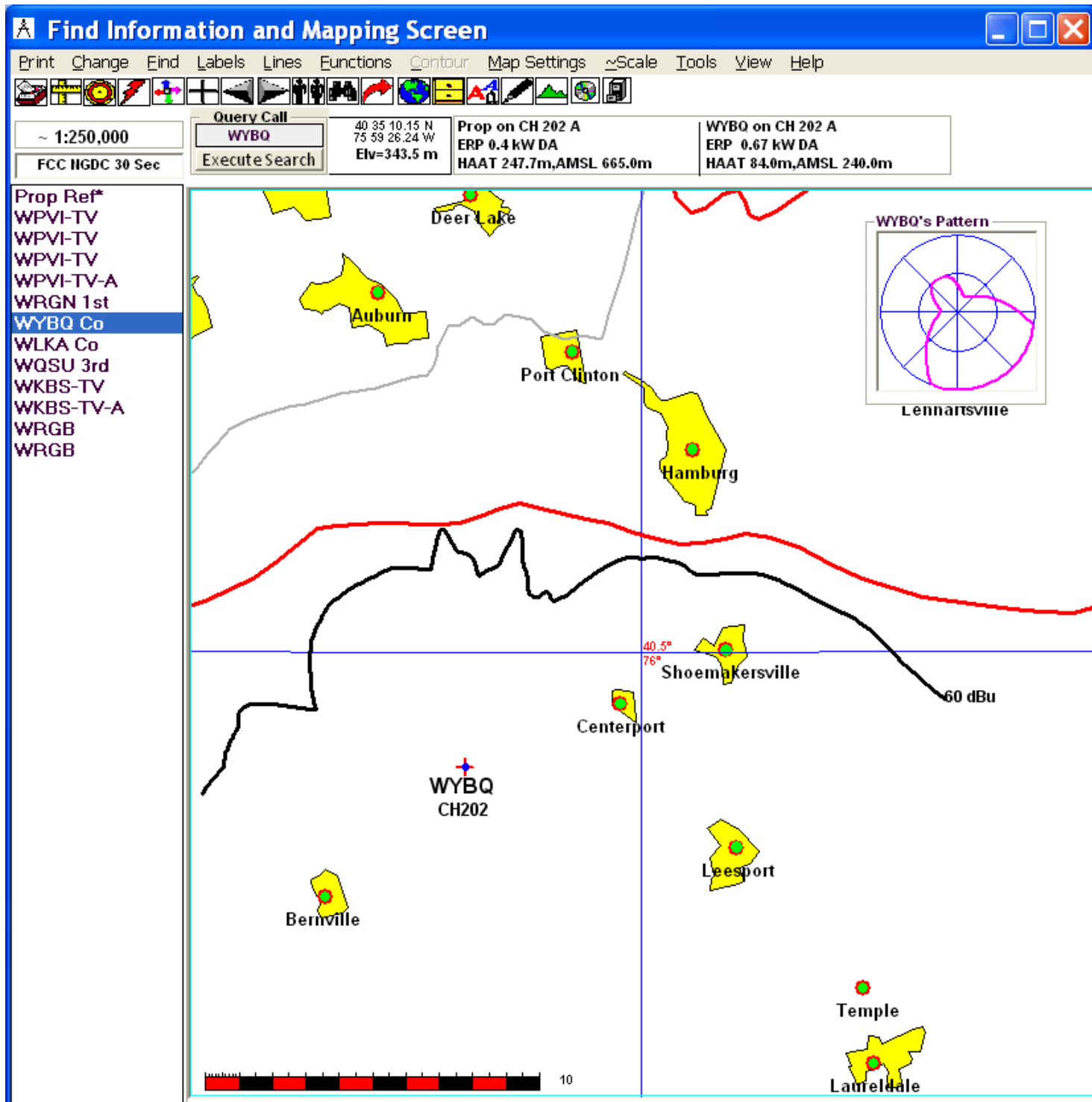
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
330.0	000.1796	0271.0	019.8	195.7	000.5000	0189.6	033.9	52.86	
331.0	000.1721	0279.4	019.9	195.4	000.5000	0189.8	033.6	53.03	
332.0	000.1654	0288.8	020.0	195.1	000.5000	0190.1	033.3	53.22	
333.0	000.1583	0298.1	020.1	194.7	000.5000	0190.6	033.0	53.40	
334.0	000.1513	0305.3	020.2	194.3	000.5000	0191.1	032.7	53.56	
335.0	000.1445	0308.5	020.0	193.7	000.5000	0191.4	032.6	53.64	
336.0	000.1383	0307.2	019.8	192.9	000.5000	0192.0	032.6	53.67	
337.0	000.1318	0302.5	019.4	192.0	000.5000	0196.5	032.7	53.81	
338.0	000.1254	0296.0	018.9	191.1	000.5000	0202.1	032.9	53.96<--	
339.0	000.1192	0288.9	018.5	190.2	000.5000	0202.8	033.1	53.88	
340.0	000.1132	0282.7	018.0	189.3	000.5000	0200.6	033.4	53.66	
341.0	000.1141	0278.0	017.9	188.8	000.5000	0198.2	033.3	53.58	
342.0	000.1149	0274.1	017.8	188.2	000.5000	0196.7	033.3	53.54	
343.0	000.1158	0270.6	017.7	187.7	000.5000	0198.3	033.2	53.63	
344.0	000.1166	0268.1	017.7	187.1	000.5000	0199.1	033.1	53.71	
345.0	000.1175	0266.7	017.7	186.6	000.5000	0199.0	033.0	53.76	
346.0	000.1184	0265.1	017.6	186.1	000.5000	0198.3	032.9	53.78	
347.0	000.1192	0262.9	017.6	185.6	000.5000	0199.8	032.9	53.88	
348.0	000.1197	0261.0	017.5	185.1	000.5000	0199.9	032.8	53.90<--	
349.0	000.1206	0259.7	017.5	184.5	000.5000	0198.6	032.8	53.88	
350.0	000.1214	0257.5	017.5	184.0	000.5000	0197.3	032.7	53.85	
351.0	000.1228	0254.7	017.4	183.5	000.5000	0196.6	032.7	53.82	
352.0	000.1241	0251.5	017.4	182.9	000.5000	0195.7	032.7	53.78	
353.0	000.1250	0248.7	017.3	182.4	000.5000	0195.3	032.7	53.76	
354.0	000.1263	0245.6	017.2	181.8	000.5000	0195.7	032.7	53.76	
355.0	000.1277	0242.6	017.2	181.3	000.5000	0196.0	032.8	53.76	
356.0	000.1290	0239.5	017.1	180.8	000.5000	0196.3	032.8	53.76	
357.0	000.1300	0237.7	017.1	180.3	000.5000	0196.8	032.8	53.77	
358.0	000.1313	0238.9	017.1	179.7	000.5000	0196.6	032.7	53.82	
359.0	000.1327	0240.0	017.2	179.2	000.5000	0196.1	032.6	53.85	
000.0	000.1336	0240.3	017.3	178.7	000.5000	0195.6	032.6	53.85<--	
001.0	000.1364	0238.5	017.3	178.2	000.5000	0195.1	032.6	53.83	
002.0	000.1392	0236.5	017.3	177.6	000.5000	0194.6	032.6	53.81	
003.0	000.1421	0232.4	017.3	177.1	000.5000	0196.2	032.7	53.83<--	
004.0	000.1450	0224.6	017.0	176.6	000.5000	0198.5	032.9	53.80	
005.0	000.1479	0216.9	016.8	176.2	000.5000	0200.8	033.2	53.77	
006.0	000.1503	0214.1	016.8	175.7	000.5000	0203.2	033.3	53.83	

007.0	000.1533	0211.9	016.8		175.2	000.5000	0205.4	033.3	53.90
008.0	000.1563	0209.8	016.8		174.7	000.5000	0207.2	033.4	53.94<--
009.0	000.1593	0205.3	016.7		174.3	000.5000	0207.8	033.6	53.88
010.0	000.1623	0200.8	016.6		173.8	000.5000	0207.2	033.7	53.76
011.0	000.1685	0196.6	016.6		173.4	000.5000	0206.3	033.8	53.67
012.0	000.1753	0194.2	016.6		172.9	000.5000	0204.7	033.8	53.59
013.0	000.1817	0192.7	016.7		172.3	000.5000	0202.9	033.9	53.51
014.0	000.1888	0190.9	016.8		171.8	000.5000	0201.8	033.9	53.45
015.0	000.1960	0187.9	016.9		171.3	000.5000	0202.2	034.0	53.43
016.0	000.2028	0184.8	016.9		170.9	000.5000	0203.9	034.1	53.45
017.0	000.2103	0182.8	017.0		170.4	000.5000	0205.6	034.1	53.50
018.0	000.2173	0182.0	017.1		169.8	000.5000	0208.1	034.2	53.59
019.0	000.2250	0182.2	017.2		169.3	000.5000	0211.2	034.1	53.73
020.0	000.2323	0183.6	017.5		168.6	000.5000	0214.3	034.1	53.87
021.0	000.2329	0184.9	017.5		168.1	000.5000	0216.2	034.2	53.90<--
022.0	000.2335	0185.8	017.6		167.7	000.5000	0217.0	034.3	53.88
023.0	000.2341	0186.5	017.6		167.2	000.5000	0216.8	034.5	53.80
024.0	000.2341	0187.2	017.6		166.8	000.5000	0216.3	034.6	53.69
025.0	000.2347	0187.6	017.7		166.3	000.5000	0215.7	034.8	53.59
026.0	000.2353	0188.3	017.7		165.9	000.5000	0215.6	035.0	53.50
027.0	000.2359	0189.9	017.8		165.4	000.5000	0216.2	035.1	53.46
028.0	000.2365	0191.5	017.9		165.0	000.5000	0217.8	035.3	53.46
029.0	000.2372	0193.5	018.0		164.5	000.5000	0220.3	035.4	53.49
030.0	000.2372	0195.9	018.1		164.0	000.5000	0223.1	035.6	53.54
031.0	000.2496	0198.4	018.5		163.2	000.5000	0226.0	035.5	53.66
032.0	000.2624	0199.7	018.8		162.5	000.5000	0226.6	035.6	53.66
033.0	000.2756	0198.9	018.9		161.9	000.5000	0226.9	035.7	53.61
034.0	000.2890	0196.2	019.0		161.5	000.5000	0227.1	035.9	53.53
035.0	000.3028	0193.1	019.1		161.1	000.5000	0227.3	036.1	53.42
036.0	000.3168	0190.4	019.2		160.7	000.5000	0227.3	036.4	53.32
037.0	000.3312	0188.3	019.3		160.2	000.5000	0227.4	036.6	53.22
038.0	000.3460	0186.5	019.5		159.8	000.5000	0227.3	036.8	53.11
039.0	000.3610	0184.6	019.6		159.3	000.5000	0226.9	037.0	52.98
040.0	000.3764	0182.2	019.7		159.0	000.5000	0226.3	037.3	52.84
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Prop vs WYBQ





WYBQ BLED20130808AAO

Prop

Channel = 202A
 Max ERP = 0.67 kW
 RCAMSL = 240 m
 N. Lat. 40 28 09.30
 W. Lng. 76 03 44.80
 Protected
 60 dBu

Channel = 202A
 Max ERP = 0.4 kW
 RCAMSL = 665 m
 N. Lat. 40 51 00.00
 W. Lng. 76 06 54.60
 Interfering
 40 dBu

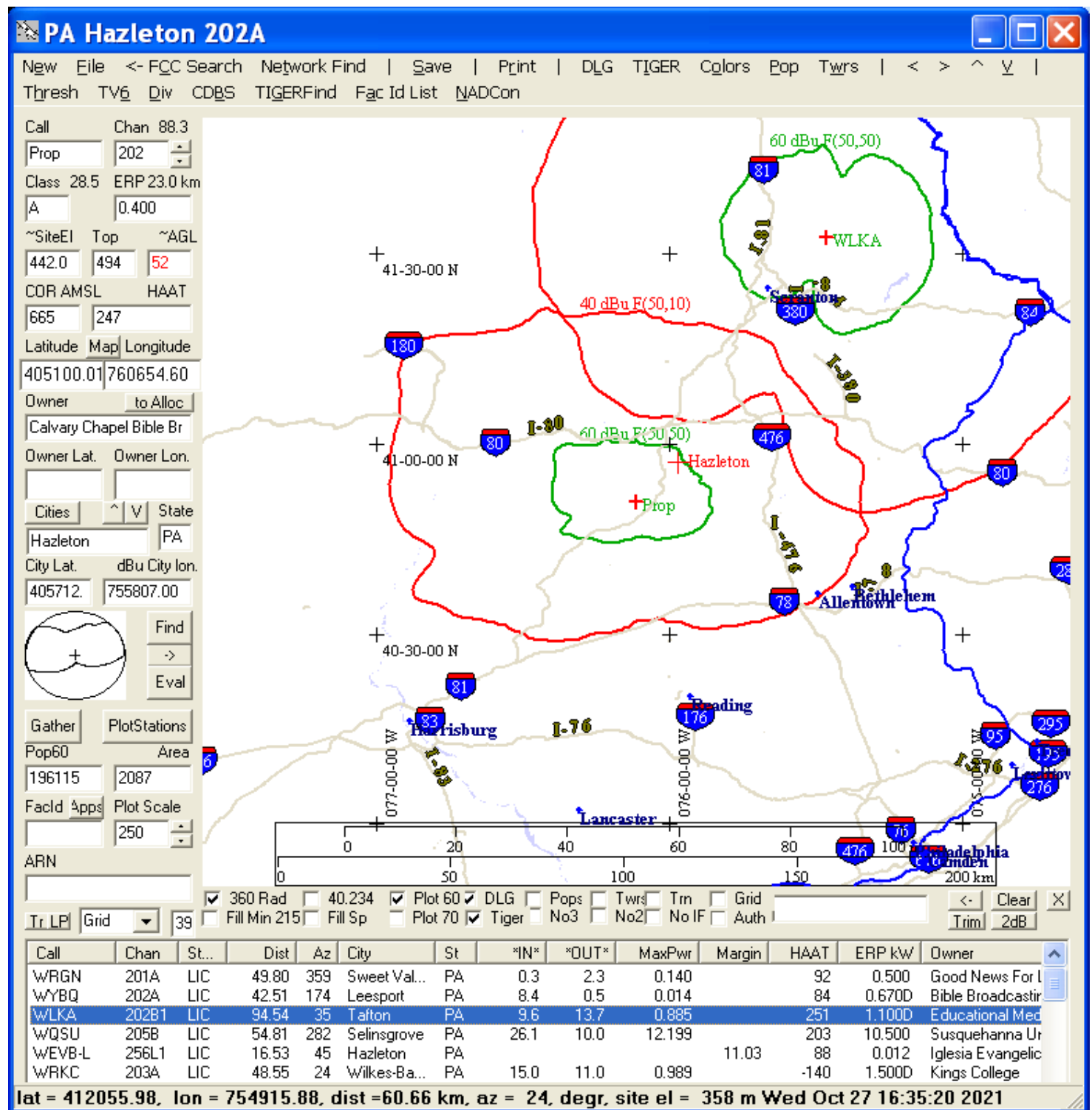
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
320.0	000.1635	-0026.7	006.4	179.5	000.0155	0260.0	037.5	38.88	
321.0	000.1635	-0023.7	006.4	179.3	000.0155	0260.2	037.4	38.90	
322.0	000.1635	-0021.9	006.4	179.2	000.0154	0260.3	037.3	38.93	
323.0	000.1635	-0020.4	006.4	179.0	000.0154	0260.5	037.2	38.95	
324.0	000.1635	-0018.6	006.4	178.9	000.0154	0260.6	037.2	38.98	
325.0	000.1635	-0016.5	006.4	178.8	000.0153	0260.8	037.1	39.01	
326.0	000.1635	-0013.6	006.4	178.6	000.0153	0261.0	037.1	39.04	
327.0	000.1635	-0011.2	006.4	178.5	000.0153	0261.1	037.0	39.06	
328.0	000.1635	-0010.2	006.4	178.3	000.0153	0261.3	036.9	39.09	
329.0	000.1635	-0010.5	006.4	178.2	000.0152	0261.5	036.9	39.11	
330.0	000.1635	-0011.0	006.4	178.0	000.0152	0261.6	036.8	39.14	
331.0	000.1635	-0011.1	006.4	177.9	000.0152	0261.8	036.8	39.16	
332.0	000.1635	-0010.6	006.4	177.7	000.0151	0262.1	036.7	39.18	
333.0	000.1635	-0009.4	006.4	177.6	000.0151	0262.7	036.7	39.20	
334.0	000.1635	-0007.7	006.4	177.4	000.0150	0263.1	036.6	39.22	
335.0	000.1635	-0005.2	006.4	177.2	000.0150	0263.5	036.6	39.24	
336.0	000.1635	-0003.3	006.4	177.1	000.0149	0264.0	036.6	39.26	
337.0	000.1635	-0002.7	006.4	176.9	000.0149	0264.5	036.5	39.28	
338.0	000.1635	-0002.1	006.4	176.8	000.0148	0265.0	036.5	39.30	
339.0	000.1635	0000.0	006.4	176.6	000.0148	0265.5	036.4	39.32	
340.0	000.1635	0003.2	006.4	176.4	000.0147	0266.1	036.4	39.34	
341.0	000.1599	0006.8	006.3	176.2	000.0147	0266.7	036.4	39.34	
342.0	000.1564	0010.0	006.3	176.1	000.0146	0267.4	036.4	39.34	
343.0	000.1530	0011.7	006.3	175.9	000.0146	0268.2	036.4	39.35	
344.0	000.1495	0013.7	006.2	175.7	000.0145	0268.9	036.4	39.35	
345.0	000.1461	0015.5	006.2	175.5	000.0144	0269.6	036.5	39.35	
346.0	000.1428	0017.9	006.2	175.3	000.0144	0270.3	036.5	39.35	
347.0	000.1394	0019.6	006.1	175.2	000.0143	0271.1	036.5	39.34	
348.0	000.1362	0022.2	006.1	175.0	000.0143	0271.9	036.5	39.34	
349.0	000.1329	0026.0	006.0	174.8	000.0142	0272.6	036.5	39.34	
350.0	000.1297	0030.5	006.1	174.7	000.0142	0273.3	036.5	39.35	
351.0	000.1245	0034.7	006.4	174.5	000.0141	0273.9	036.2	39.51	
352.0	000.1193	0039.2	006.7	174.4	000.0141	0274.5	035.9	39.66	
353.0	000.1143	0044.1	007.0	174.2	000.0140	0275.2	035.6	39.83	
354.0	000.1094	0047.3	007.2	174.0	000.0140	0275.9	035.4	39.93<--	
355.0	000.1045	0048.1	007.2	173.8	000.0139	0276.6	035.4	39.92	
356.0	000.0998	0045.6	006.9	173.6	000.0139	0277.2	035.7	39.79	
357.0	000.0952	0044.1	006.7	173.4	000.0138	0277.8	035.9	39.69	
358.0	000.0907	0042.6	006.5	173.3	000.0138	0278.3	036.1	39.59	
359.0	000.0864	0043.4	006.5	173.1	000.0137	0278.8	036.1	39.58	
000.0	000.0821	0043.8	006.4	172.9	000.0137	0279.3	036.2	39.55	

001.0	000.0787	0044.2	006.4		172.8	000.0136	0279.7	036.2	39.52
002.0	000.0755	0043.4	006.3		172.6	000.0136	0280.0	036.4	39.45
003.0	000.0723	0040.8	006.0		172.5	000.0135	0280.1	036.6	39.32
004.0	000.0691	0038.5	005.8		172.4	000.0135	0280.2	036.9	39.20
005.0	000.0661	0040.2	005.8		172.3	000.0135	0280.4	036.8	39.20
006.0	000.0631	0042.4	005.9		172.1	000.0134	0280.5	036.8	39.22
007.0	000.0601	0044.3	006.0		171.9	000.0134	0280.6	036.7	39.22
008.0	000.0573	0046.0	006.0		171.7	000.0133	0280.8	036.7	39.22
009.0	000.0545	0048.8	006.2		171.5	000.0132	0280.9	036.6	39.24
010.0	000.0518	0056.2	006.5		171.2	000.0131	0281.1	036.3	39.36
011.0	000.0497	0065.1	006.9		170.8	000.0131	0281.3	036.0	39.50
012.0	000.0476	0074.0	007.3		170.4	000.0130	0281.4	035.7	39.63
013.0	000.0456	0075.9	007.3		170.2	000.0130	0281.5	035.7	39.61
014.0	000.0436	0070.5	007.0		170.2	000.0130	0281.5	036.1	39.44
015.0	000.0417	0063.2	006.5		170.3	000.0130	0281.5	036.5	39.23
016.0	000.0398	0059.3	006.3		170.3	000.0130	0281.5	036.8	39.10
017.0	000.0380	0057.9	006.2		170.3	000.0130	0281.5	037.0	39.02
018.0	000.0362	0055.2	005.9		170.3	000.0130	0281.5	037.2	38.91
019.0	000.0344	0052.6	005.7		170.3	000.0130	0281.5	037.4	38.80
020.0	000.0327	0050.7	005.6		170.3	000.0130	0281.5	037.6	38.71
021.0	000.0327	0049.9	005.5		170.2	000.0130	0281.5	037.7	38.66
022.0	000.0327	0049.5	005.5		170.1	000.0130	0281.6	037.8	38.63
023.0	000.0327	0050.8	005.6		169.9	000.0130	0281.7	037.8	38.64
024.0	000.0327	0053.7	005.7		169.6	000.0131	0281.9	037.7	38.71
025.0	000.0327	0055.2	005.8		169.4	000.0131	0282.2	037.7	38.74
026.0	000.0327	0054.1	005.8		169.4	000.0131	0282.3	037.8	38.70
027.0	000.0327	0052.4	005.7		169.3	000.0132	0282.4	037.9	38.65
028.0	000.0327	0052.6	005.7		169.2	000.0132	0282.5	038.0	38.64
029.0	000.0327	0054.9	005.8		169.0	000.0133	0282.8	038.0	38.69
030.0	000.0327	0058.7	006.0		168.7	000.0134	0283.0	037.9	38.77
031.0	000.0335	0063.1	006.2		168.3	000.0136	0283.0	037.8	38.87
032.0	000.0343	0068.9	006.5		167.9	000.0137	0282.9	037.7	38.99
033.0	000.0351	0075.1	006.8		167.4	000.0140	0282.7	037.5	39.12
034.0	000.0359	0081.1	007.1		166.9	000.0142	0282.7	037.4	39.24
035.0	000.0367	0086.6	007.4		166.5	000.0143	0283.2	037.3	39.34
036.0	000.0375	0091.0	007.7		166.1	000.0144	0284.0	037.2	39.43
037.0	000.0383	0094.2	007.8		165.7	000.0146	0284.9	037.2	39.51
038.0	000.0392	0096.5	008.0		165.4	000.0147	0285.8	037.2	39.57
039.0	000.0400	0098.0	008.1		165.1	000.0148	0286.4	037.3	39.61
040.0	000.0409	0099.3	008.2		164.9	000.0150	0287.0	037.3	39.63
041.0	000.0431	0100.3	008.4		164.6	000.0151	0287.7	037.4	39.68
042.0	000.0453	0100.5	008.5		164.3	000.0152	0288.1	037.4	39.71
043.0	000.0476	0100.2	008.6		164.0	000.0153	0288.5	037.5	39.71
044.0	000.0499	0099.7	008.7		163.8	000.0155	0288.8	037.6	39.71<--
045.0	000.0523	0099.6	008.8		163.6	000.0156	0289.0	037.7	39.71
046.0	000.0548	0099.6	008.9		163.3	000.0157	0289.2	037.8	39.71
047.0	000.0573	0098.7	008.9		163.1	000.0158	0289.2	037.9	39.68
048.0	000.0599	0096.8	008.9		163.0	000.0158	0289.2	038.0	39.64
049.0	000.0625	0095.0	009.0		162.9	000.0159	0289.2	038.1	39.58
050.0	000.0652	0094.4	009.0		162.7	000.0159	0289.2	038.3	39.54
051.0	000.0686	0095.7	009.2		162.4	000.0160	0289.1	038.3	39.53
052.0	000.0721	0098.3	009.4		162.0	000.0162	0288.8	038.4	39.53
053.0	000.0756	0101.4	009.7		161.5	000.0164	0288.0	038.5	39.53
054.0	000.0793	0104.5	010.0		161.1	000.0166	0286.7	038.6	39.51
055.0	000.0830	0107.1	010.2		160.7	000.0168	0285.4	038.7	39.47
056.0	000.0868	0109.5	010.4		160.3	000.0170	0284.1	038.8	39.43
057.0	000.0907	0111.5	010.6		159.9	000.0172	0283.1	038.9	39.39

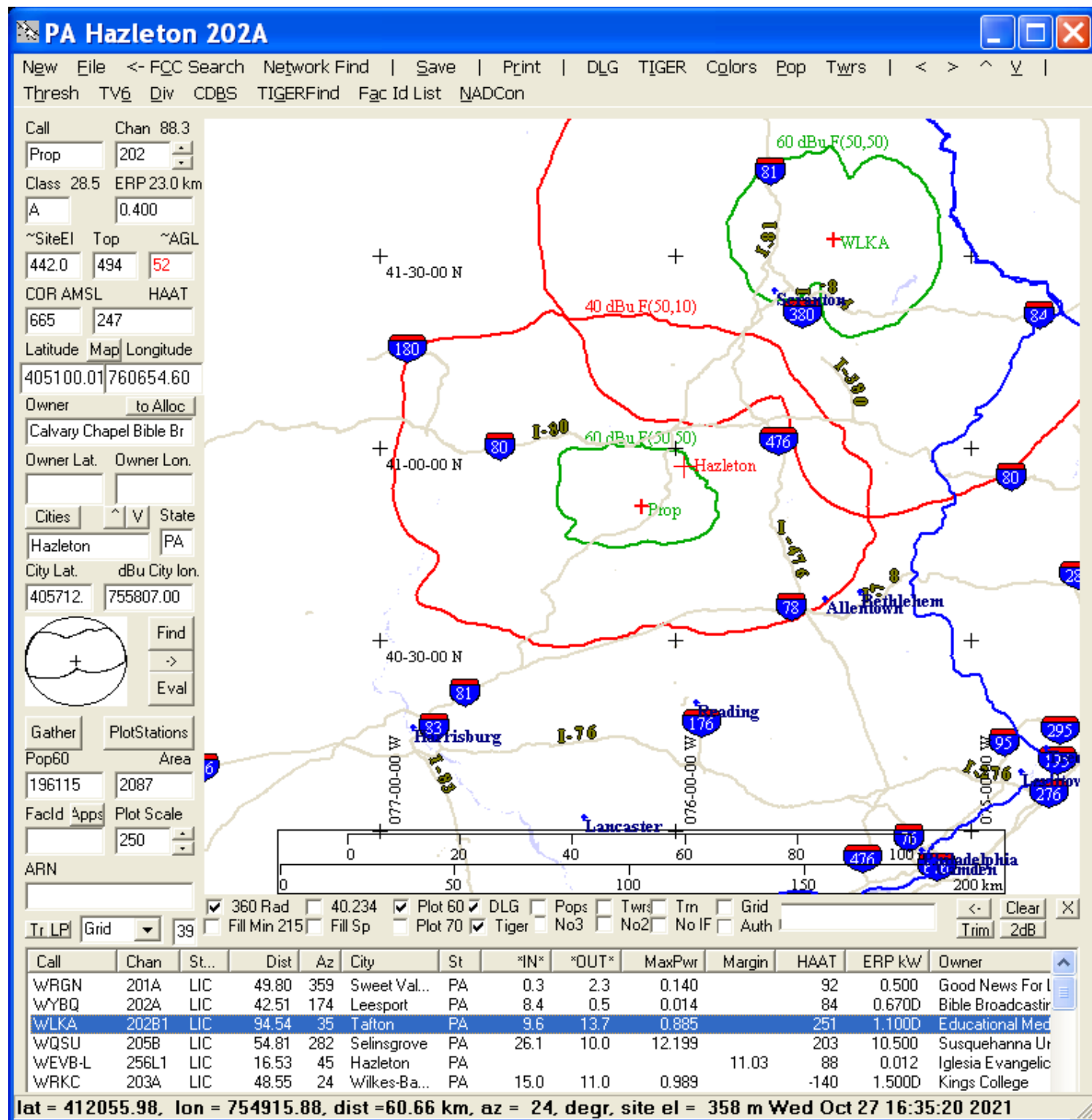
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060.0	000.1030	0114.2	011.1		159.1	000.0179	0281.9	039.4	39.30
061.0	000.1084	0114.1	011.2		158.9	000.0181	0282.0	039.6	39.27
062.0	000.1139	0114.0	011.3		158.7	000.0183	0282.1	039.7	39.24
063.0	000.1197	0113.9	011.5		158.5	000.0184	0282.4	039.9	39.21
064.0	000.1255	0113.9	011.6		158.2	000.0186	0283.0	040.1	39.19
065.0	000.1315	0114.2	011.7		158.0	000.0188	0283.8	040.3	39.17
066.0	000.1376	0115.1	011.9		157.8	000.0191	0284.9	040.5	39.17
067.0	000.1439	0116.5	012.1		157.5	000.0194	0286.3	040.7	39.19
068.0	000.1503	0117.8	012.3		157.2	000.0197	0287.7	040.9	39.21
069.0	000.1568	0118.7	012.5		157.0	000.0199	0289.0	041.1	39.20
070.0	000.1635	0119.0	012.6		156.8	000.0201	0290.1	041.4	39.17
071.0	000.1721	0118.8	012.8		156.6	000.0202	0291.2	041.6	39.14
072.0	000.1809	0118.4	012.9		156.4	000.0204	0292.0	041.8	39.09
073.0	000.1899	0118.0	013.0		156.3	000.0205	0292.8	042.1	39.04
074.0	000.1992	0117.5	013.2		156.2	000.0206	0293.4	042.3	38.98
075.0	000.2086	0116.6	013.3		156.1	000.0207	0293.8	042.6	38.90
076.0	000.2183	0115.9	013.4		156.0	000.0208	0294.3	042.8	38.83
077.0	000.2282	0116.0	013.5		155.8	000.0210	0294.9	043.1	38.76
078.0	000.2383	0116.4	013.7		155.7	000.0211	0295.4	043.3	38.69
079.0	000.2487	0117.1	013.9		155.5	000.0213	0296.0	043.6	38.62
080.0	000.2592	0117.4	014.0		155.4	000.0214	0296.4	043.9	38.54

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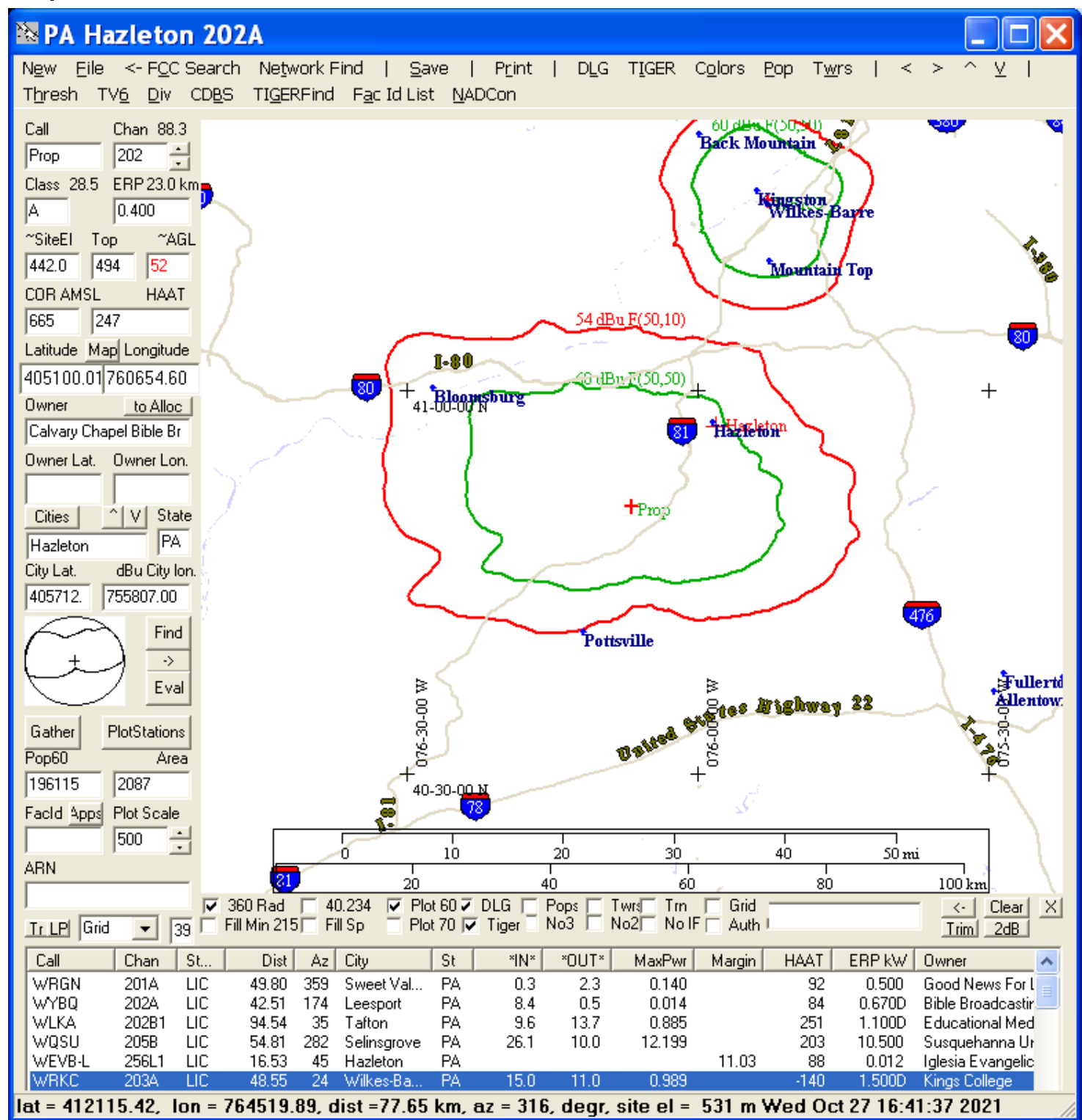
Prop vs WLKA



Prop vs WQSU



Prop vs WKRC



Radiation Hazard

ID Stations V:2.1.15 (C) V-Soft Communications ...

ID Stations

Search Parameters

N. Latitude

W. Longitude

Distance (km)

Date > yymmdd

Station Type

☒ AM Stations

☒ FM Stations

☒ TV Stations

Include secondaries:

☒ FM Translators

☒ TV Translators

Call	Service	City	State	Chan.	Power	Coordinates	Dist	Bear
AM	-----	None Found	-----					
FM	-----							
WCDH	M	Shenandoah	PA	218A	0001.200kW	405058.30N 760653.70W	000.1	148.8
TV	-----	None Found	-----					

Radiation Hazard Worksheet

PA Hazleton 202A

From FCC 301/340 Worksheet

COR above ground:
223.0 m

ERP:
V 0.400 kW
H 0.400 kW

Results
0% of Controlled Limit
0.2% of Uncontrolled Limit

Radiation Hazard Worksheet

WCDH

From FCC 301/340 Worksheet

COR above ground:

52 m

ERP:

V 1.2 kW

H 1.2 kW

Results

3.2% of Controlled Limit

16% of Uncontrolled Limit

Protected zone studies

Protected zones report for Prop on channel 202A 10-27-2021

Lat. 40 51 00.0 Lng. 76 06 54.6, ERP= 0.400 kW, HAAT= 247.7 m

*** Station must likely coordinate with Canada. Distance to border = 314.3 km.

Facility is okay with respect to AM station towers.

Closest AM Facility is WODS, WEST HAZLETON, PA, L, DA2 at 43.3° at a distance of 13.9 km

Facility is okay with respect to FCC monitoring stations.

Closest FCC Monitoring Station is 196.6 km= Laurel, MD

Facility is okay toward West Virginia Quiet Zone. Distance to center = 400.0 km

Facility is okay toward Table Mountain. Distance to Center = 2470.4 km, Azimuth = 277.8 Degrees True

Broadcast Facility

See Consolidated Engineering Statement.

First and Second NCE Service

See Consolidated Engineering Statement.

Reasonable Assurance of Site Availability

Todd Bowman

941-757-5010 ext. 108

Authorized Representative of Tower Owner

Other Broadcast Authorizations

Calvary Chapel Bible Broadcasting is the licensee of FM Translator W292FD (Facility ID No. 144032), Reading, Pennsylvania, and FM Translator W254DD (Facility ID No. 144129), Ephrata, Pennsylvania.

Statement of Educational Objectives

Calvary Chapel Bible Broadcasting (“CCBB”) is a non-profit corporation that was organized under the laws of Pennsylvania on March 24, 2016. Our primary objective is to provide Biblical teaching. CCBB currently operates two FM translators. Through a new full power noncommercial station, we will expand our service to the community.

CCBB’s educational objectives include:

Youth Religious Education: We place a high priority on the children and youth of the community. One of our goals is to broadcast programming to provide quality religious education to the youth of the proposed station’s service area.

Marriage: Another goal of our ministry is the promotion of strong marriages. We will provide programming intended to enhance marriage relationships in our community.

Recovery: Another priority is the eradication of substance abuse. The problem with addictions of all kinds continues to plague far too many people in our community. The station will air programming to address substance abuse and provide information and encouragement to those on the road to recovery.

Citizenship: Another of our goals is to promote good citizenship. We will carry programming designed to instill the values of personal responsibility, initiative, honesty, community involvement and compassion for all people, particular those in need.

The Role of Radio: It is our goal to continue to be a positive influence in our community and the surrounding area through the use of radio. Radio reaches people we would might never be able to reach in person with the hope available through the Word of God. In addition to airing programming to serve the objectives discussed above, CCBB plans to provide news and public affairs programs directed to the service area.

Please refer to the attachment “Consolidated Engineering Statement” for more information.