

Fairmont, North Carolina  
Application for Minor Modification of  
FM Translator W248DC  
On Channel 248  
by  
Truth Broadcasting Corporation

Technical Exhibit

March 2021

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Declaration

I declare, under penalty of perjury, that I am a technical consultant to broadcasting and other communications systems, that I have over twenty-five years of experience in the engineering of broadcast and other communications systems, that I am familiar with the Federal Communications Commission's Rules found in the Code of Federal Regulations Title 47, that I am a Professional Engineer registered in North Carolina, that I have prepared or supervised the preparation of the attached Technical Exhibit for Truth Broadcasting Corporation, and that all of the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief.



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31 March 2021

### Narrative

This Exhibit supports a minor modification application for FM translator W248DC, on Channel 248 in Fairmont, North Carolina. Allocation details are provided in this exhibit. This proposal complies fully with the requirements of 47 C.F.R. §74.1204(a), with the exception of facilities protected under 47 C.F.R. §74.1204(d) by the Undesired to Desired (U/D) method described below. The proposed modified facilities create no mutual exclusivities with any licensed facilities, construction permits, or applications as shown in the allocation table in this exhibit.

Figure 1 shows the proposed 60 dBu F(50,50) coverage area, and the authorized coverage area. Figure 1 shows fill-in status confirmation.

The changes are a change of site, change of elevation, decrease in power, and a new omnidirectional antenna.

The minor modification complies with the requirements of Sections 74.1204, 74.1205, 74.1232, and 74.1234.

### Allocations

This application proposes service to Fairmont, North Carolina, on channel 248. An updated Table 1: Allocations is included in this exhibit with a list of the stations, construction permits, allocations, and applications studied. All are protected under §74.1204(a) contour protection by this application, with the exception of facilities protected by the Undesired to Desired (U/D) method. Facilities protected by the U/D method are listed in Table 2. The allocations table was prepared using the GLOBE 30 terrain database which is described below.

Where the outgoing protection is provided by interference contours with a separation of less than 3.2 kilometers (2 miles), the lack of overlap is plotted in figures in this exhibit, and the output of the FM Over program is provided. For this application, there is one (1) facility, with both licensed and construction permit facilities, for which additional detail is provided.

Table and Figure	Call Sign	Location	Channel, class and relationship
3	WRQP-LP	Bennettsville, South Carolina	248L1, co-channel
4	WRQP-LP CP	Bennettsville, South Carolina	248L1, co-channel

Table 1: Allocations

Allocation Study Truth Broadcasting Corporation											
REFERENCE		CH# 248D - 97.5 MHz, Pwr= 0.185 kw, HAAT= 140.8 M, COR= 188.2 M								DISPLAY DATES	
34 42 02.0 N.		Average Protected F(50-50)= 14.1 km								DATA 03-31-21	
79 06 31.0 W.		Omni-directional								SEARCH 03-31-21	
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
248D Fairmont	W248DC!	CP	CN NC	112.7 292.8	9.69 BNPFT20180323AAZ	34 40 00.60 79 00 39.10	0.250	160	---Reference---		
251C1 Fayetteville	WQSM	LIC	CN NC	20.8 200.9	45.09 BLH19871125KA	35 04 46.50 78 55 57.00	100.000 253	9.3 307	68.4 Cumulus Licensing LLC	21.9	-24.2*
Protected by Undesired to Desired Signal Ratio Studies, see text and figures.											
246D Lumberton	W246DR	CP	CN NC	112.7 292.8	9.69 BNPFT20180314ABQ	34 40 00.60 79 00 39.10	0.250	1.1 160	13.7 Wagr Broadcasting, Inc.	-5.9*	-5.0*
Protected by Undesired to Desired Signal Ratio Studies, see text and figures.											
This second adjacent channel translator is authorized using the same antenna as W246DR.											
Both are being modified to use a common antenna.											
248C2 Carrboro	WQOK	LIC	CN NC	10.5 190.7	144.44 BLH20090911AAE	35 58 39.50 78 48 57.00	50.000 146	135.5 248	50.0 Radio One Licenses, LLC	-4.9	48.0
248L1 Bennettsville	WRQP-LP	LIC	CN SC	261.2 80.9	52.76 BLL20170126AAO	34 37 36.20 79 40 43.00	0.100 20	66	20.2 Marlboro County Broadcaste		0.3
248L1 Bennettsville	WRQP-LP	CP	HN SC	260.3 80.0	53.41 BPL20180827AAE	34 37 06.90 79 41 02.80	0.100 12	57	20.8 Marlboro County Broadcaste		0.9
247C1 Wilmington	WMNX	LIC	CN NC	127.2 307.7	118.62 BLH20090109AVP	34 03 06.60 78 04 56.00	100.000 269	101.0 276	69.0 Cumulus Licensing LLC	3.1	27.7
248C1 Columbia	WCOS-FM	LIC	CN SC	251.3 70.2	189.15 BLH19900927KC	34 08 23.50 81 03 21.30	100.000 299	169.2 392	70.0 Ihm Licenses, LLC	5.9	72.0
249C1 Garden City	WWXM	LIC	CN SC	177.6 357.6	122.91 BLH20020405AAA	33 35 45.60 79 03 10.10	100.000 219	96.6 221	65.4 Ihm Licenses, LLC	11.8	35.7
247D Hope Mills	W247BS	LIC	DVN NC	20.8 200.9	45.09 BLFT20160425AAH	35 04 46.60 78 55 57.10	0.250	11.0 248	7.7 Educational Media Foundati	20.1	16.3
247D Southern Pines	W247CE	LIC	DCN NC	333.4 153.2	61.68 BLFT20161011AEN	35 11 46.60 79 24 45.10	0.250	17.3 220	11.3 Eastern Airwaves, LLC	31.1	28.6
249D Southern Pines	W249BX	LIC	CN NC	341.1 161.0	59.93 BLFT20070917AAG	35 12 37.60 79 19 20.10	0.013 100	8.8 210	6.3 Educational Media Foundati	37.4	32.9
245C0 Goldsboro	WWPL	LIC	CN NC	48.5 229.1	117.74 BMLH20090708AEX	35 23 52.60 78 08 06.00	100.000 300	10.1 337	72.0 New Age Communications, Lt	93.6	44.8

Terrain database is GLOBE 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 In & Out distances between contours are shown at closest points. Reference Zone= East Zone, Co to 3rd adj.  
 All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

**Table 2: Facilities Protected by U/D Method**

Facility	WQSM Fayetteville, North Carolina	W246DR Lumberton, North Carolina
Relationship	251C1, third adjacent	246D, second adjacent
Distance (km)	45.1	0
Bearing (degrees)	20.8	0.0
ERP (kW, on azimuth)	100.0	0.25
HAAT (m, on azimuth)	251.1	*
Ratio	40	40
Signal Strength (dBu)	70.82	*
Translator Signal Strength	110.82	*
Translator distance (km)	.275	.001

\*W246DR is filing a coordinated application to use a common antenna.

### **Undesired to Desired Method under §74.1204(d)**

A waiver of §74.1204(d) is requested to show protection to some facilities through the use of Undesired to Desired Signal Strength Ratio (U/D) calculations. Table 2 lists the parameters studied. The antenna is a Nicom BKG-77 circularly polarized two level omnidirectional antenna. The elevation pattern is shown in Figure 5.

The WQSM field strength calculated at the site is 70.82 dBu, using the FM Curves calculator on the FCC web site. For the translator interference contour, free space calculations are used. The corresponding 110.82 dBu field strength distance is .275 kilometers (275 meters) in the horizontal plane. The proposed antenna location is 140 meters above ground. The interference contour does not reach ground at any point.

W246DR is authorized using a shared antenna with W248DC. A coordinated application is being prepared for simultaneous filing with this application. This will place both facilities operating with the same antenna, at the same elevation, and with the same pattern. With second adjacent channel facilities operating with an ERP difference of 1.3 dB, it is

mathematically impossible for either facility to exceed the required 40 dB ratio for predicted interference.

Figure 5 is the vertical elevation of the 110.82 dBu interference contour. Figure 6 is a topographic map of the site. Figure 7 is an aerial photograph of the site with the 110.82 dBu interference contour plotted.

There is no population within the predicted interference area and therefore this facility is permitted under §74.1204(d).

The applicant recognizes that the U/D method is only a tool for predicting likely interference. Should any actual interference be experienced, the applicant will cooperate fully in correcting the interference. Corrective steps may require changes in the transmitting antenna or other steps which would require Commission authorization, may require that the translator cease operation except for brief equipment tests, or may require filtering at the receivers which report interference.

### Source of Data

Transmitter location, effective radiated power, directional antenna pattern, and elevation data are extracted from the Commission's CDBS (converted to NAD 83) or LMS. All contours for existing and proposed facilities are calculated using height above average terrain calculated at one degree horizontal increments.

The contours were evaluated using terrain extracted from the GLOBE 30 arcsecond terrain database, formatted by V-Soft Communications to work with its allocation and mapping programs.



Table 3: FMOver Protection of WRQP-LP

03-31-2021 Terrain Data: GLOBE 30 Sec FMOver Analysis

WRQP-LP BLL20170126AAO

W248DC.C

Channel = 248L1

Channel = 248D

Max ERP = 0.1 kW

Max ERP = 0.185 kW

RCAMSL = 66 m

RCAMSL = 188.21 m

N. Lat. 34 37 36.20

N. Lat. 34 42 02.00

W. Lng. 79 40 43.00

W. Lng. 79 06 31.00

Protected  
60 dBuInterfering  
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
036.0	000.1000	0004.2	005.6	265.9	000.1850	0137.5	048.9	39.15	
037.0	000.1000	0004.4	005.6	265.8	000.1850	0137.6	048.9	39.18	
038.0	000.1000	0004.5	005.6	265.7	000.1850	0137.6	048.8	39.21	
039.0	000.1000	0004.6	005.6	265.6	000.1850	0137.6	048.7	39.24	
040.0	000.1000	0004.5	005.6	265.6	000.1850	0137.6	048.6	39.27	
041.0	000.1000	0004.5	005.6	265.5	000.1850	0137.6	048.6	39.29	
042.0	000.1000	0004.6	005.6	265.4	000.1850	0137.6	048.5	39.32	
043.0	000.1000	0004.7	005.6	265.3	000.1850	0137.6	048.4	39.35	
044.0	000.1000	0004.8	005.6	265.2	000.1850	0137.6	048.4	39.37	
045.0	000.1000	0004.9	005.6	265.1	000.1850	0137.6	048.3	39.40	
046.0	000.1000	0005.0	005.6	265.0	000.1850	0137.7	048.3	39.42	
047.0	000.1000	0005.0	005.6	265.0	000.1850	0137.7	048.2	39.45	
048.0	000.1000	0004.9	005.6	264.9	000.1850	0137.7	048.1	39.47	
049.0	000.1000	0004.9	005.6	264.8	000.1850	0137.7	048.1	39.49	
050.0	000.1000	0004.9	005.6	264.7	000.1850	0137.7	048.0	39.52	
051.0	000.1000	0005.0	005.6	264.6	000.1850	0137.7	048.0	39.54	
052.0	000.1000	0005.0	005.6	264.5	000.1850	0137.7	047.9	39.56	
053.0	000.1000	0005.0	005.6	264.4	000.1850	0137.7	047.9	39.58	
054.0	000.1000	0005.0	005.6	264.3	000.1850	0137.8	047.8	39.60	
055.0	000.1000	0005.1	005.6	264.2	000.1850	0137.8	047.8	39.62	
056.0	000.1000	0005.2	005.6	264.1	000.1850	0137.8	047.7	39.64	
057.0	000.1000	0005.3	005.6	264.0	000.1850	0137.8	047.7	39.66	
058.0	000.1000	0005.6	005.6	263.9	000.1850	0137.8	047.6	39.68	
059.0	000.1000	0005.9	005.6	263.7	000.1850	0137.8	047.6	39.69	
060.0	000.1000	0006.1	005.6	263.6	000.1850	0137.9	047.5	39.71	
061.0	000.1000	0006.3	005.6	263.5	000.1850	0137.9	047.5	39.73	
062.0	000.1000	0006.7	005.6	263.4	000.1850	0137.9	047.5	39.74	
063.0	000.1000	0007.4	005.6	263.3	000.1850	0137.9	047.4	39.76	
064.0	000.1000	0008.2	005.6	263.2	000.1850	0137.9	047.4	39.77	
065.0	000.1000	0008.9	005.6	263.1	000.1850	0137.9	047.4	39.78	
066.0	000.1000	0009.3	005.6	263.0	000.1850	0138.0	047.3	39.80	
067.0	000.1000	0009.6	005.6	262.9	000.1850	0138.0	047.3	39.81	
068.0	000.1000	0009.7	005.6	262.7	000.1850	0138.0	047.3	39.82	
069.0	000.1000	0009.6	005.6	262.6	000.1850	0138.0	047.3	39.83	
070.0	000.1000	0009.5	005.6	262.5	000.1850	0138.0	047.2	39.84	
071.0	000.1000	0009.3	005.6	262.4	000.1850	0138.0	047.2	39.85	
072.0	000.1000	0009.3	005.6	262.3	000.1850	0138.1	047.2	39.85	
073.0	000.1000	0009.8	005.6	262.2	000.1850	0138.1	047.2	39.86	
074.0	000.1000	0010.4	005.6	262.0	000.1850	0138.1	047.2	39.87	
075.0	000.1000	0011.0	005.6	261.9	000.1850	0138.1	047.2	39.87	
076.0	000.1000	0011.2	005.6	261.8	000.1850	0138.1	047.2	39.88	
077.0	000.1000	0011.3	005.6	261.7	000.1850	0138.1	047.1	39.88	
078.0	000.1000	0011.3	005.6	261.6	000.1850	0138.2	047.1	39.89	
079.0	000.1000	0011.2	005.6	261.4	000.1850	0138.2	047.1	39.89	
080.0	000.1000	0011.2	005.6	261.3	000.1850	0138.2	047.1	39.89	
081.0	000.1000	0011.2	005.6	261.2	000.1850	0138.2	047.1	39.89	
082.0	000.1000	0011.0	005.6	261.1	000.1850	0138.2	047.1	39.89	
083.0	000.1000	0010.9	005.6	261.0	000.1850	0138.2	047.1	39.89	
084.0	000.1000	0010.7	005.6	260.8	000.1850	0138.2	047.1	39.89	
085.0	000.1000	0010.8	005.6	260.7	000.1850	0138.2	047.1	39.89	
086.0	000.1000	0011.0	005.6	260.6	000.1850	0138.2	047.2	39.88	
087.0	000.1000	0011.2	005.6	260.5	000.1850	0138.3	047.2	39.88	
088.0	000.1000	0011.5	005.6	260.4	000.1850	0138.3	047.2	39.88	
089.0	000.1000	0011.7	005.6	260.2	000.1850	0138.3	047.2	39.87	
090.0	000.1000	0011.8	005.6	260.1	000.1850	0138.3	047.2	39.86	
091.0	000.1000	0011.8	005.6	260.0	000.1850	0138.3	047.2	39.86	
092.0	000.1000	0011.8	005.6	259.9	000.1850	0138.3	047.2	39.85	
093.0	000.1000	0011.9	005.6	259.8	000.1850	0138.3	047.3	39.84	

094.0	000.1000	0012.1	005.6	259.7	000.1850	0138.3	047.3	39.83
095.0	000.1000	0012.3	005.6	259.5	000.1850	0138.3	047.3	39.82
096.0	000.1000	0012.6	005.6	259.4	000.1850	0138.3	047.3	39.81
097.0	000.1000	0012.8	005.6	259.3	000.1850	0138.4	047.4	39.80
098.0	000.1000	0013.0	005.6	259.2	000.1850	0138.4	047.4	39.79
099.0	000.1000	0013.1	005.6	259.1	000.1850	0138.4	047.4	39.78
100.0	000.1000	0013.3	005.6	259.0	000.1850	0138.4	047.5	39.76
101.0	000.1000	0013.6	005.6	258.9	000.1850	0138.4	047.5	39.75
102.0	000.1000	0013.8	005.6	258.8	000.1850	0138.4	047.6	39.74
103.0	000.1000	0014.0	005.6	258.7	000.1850	0138.4	047.6	39.72
104.0	000.1000	0014.2	005.6	258.6	000.1850	0138.4	047.6	39.70
105.0	000.1000	0014.5	005.6	258.4	000.1850	0138.4	047.7	39.69
106.0	000.1000	0014.8	005.6	258.3	000.1850	0138.4	047.7	39.67
107.0	000.1000	0015.1	005.6	258.2	000.1850	0138.4	047.8	39.65
108.0	000.1000	0015.3	005.6	258.1	000.1850	0138.4	047.8	39.63
109.0	000.1000	0015.5	005.6	258.0	000.1850	0138.4	047.9	39.61
110.0	000.1000	0015.5	005.6	257.9	000.1850	0138.4	047.9	39.59
111.0	000.1000	0015.4	005.6	257.8	000.1850	0138.4	048.0	39.57
112.0	000.1000	0015.4	005.6	257.7	000.1850	0138.4	048.0	39.55
113.0	000.1000	0015.3	005.6	257.6	000.1850	0138.4	048.1	39.53
114.0	000.1000	0015.2	005.6	257.5	000.1850	0138.4	048.1	39.51
115.0	000.1000	0015.2	005.6	257.5	000.1850	0138.4	048.2	39.48
116.0	000.1000	0015.3	005.6	257.4	000.1850	0138.4	048.3	39.46
117.0	000.1000	0015.4	005.6	257.3	000.1850	0138.4	048.3	39.43
118.0	000.1000	0015.6	005.6	257.2	000.1850	0138.4	048.4	39.41
119.0	000.1000	0015.8	005.6	257.1	000.1850	0138.4	048.5	39.38
120.0	000.1000	0015.9	005.6	257.0	000.1850	0138.4	048.5	39.36
121.0	000.1000	0016.0	005.6	256.9	000.1850	0138.4	048.6	39.33
122.0	000.1000	0016.1	005.6	256.8	000.1850	0138.4	048.7	39.30
123.0	000.1000	0016.3	005.6	256.8	000.1850	0138.4	048.7	39.28
124.0	000.1000	0016.4	005.6	256.7	000.1850	0138.4	048.8	39.25
125.0	000.1000	0016.6	005.6	256.6	000.1850	0138.4	048.9	39.22

Table 4: FMOver Protection of WRQP-LP CP

03-31-2021 Terrain Data: GLOBE 30 Sec FMOver Analysis

WRQP-LP BPL20180827AAE

W248DC.C

Channel = 248L1  
 Max ERP = 0.1 kW  
 RCAMSL = 56.8 m  
 N. Lat. 34 37 06.90  
 W. Lng. 79 41 02.80  
 Protected  
 60 dBu

Channel = 248D  
 Max ERP = 0.185 kW  
 RCAMSL = 188.21 m  
 N. Lat. 34 42 02.00  
 W. Lng. 79 06 31.00  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
035.0	000.1000	-0003.7	005.6	265.0	000.1850	0137.7	049.6	38.90	
036.0	000.1000	-0003.6	005.6	264.9	000.1850	0137.7	049.5	38.93	
037.0	000.1000	-0003.5	005.6	264.8	000.1850	0137.7	049.4	38.96	
038.0	000.1000	-0003.6	005.6	264.7	000.1850	0137.7	049.4	38.99	
039.0	000.1000	-0003.7	005.6	264.6	000.1850	0137.7	049.3	39.02	
040.0	000.1000	-0003.9	005.6	264.6	000.1850	0137.7	049.2	39.05	
041.0	000.1000	-0003.9	005.6	264.5	000.1850	0137.7	049.2	39.07	
042.0	000.1000	-0003.9	005.6	264.4	000.1850	0137.7	049.1	39.10	
043.0	000.1000	-0003.9	005.6	264.3	000.1850	0137.8	049.0	39.12	
044.0	000.1000	-0003.9	005.6	264.2	000.1850	0137.8	049.0	39.15	
045.0	000.1000	-0003.9	005.6	264.1	000.1850	0137.8	048.9	39.18	
046.0	000.1000	-0004.0	005.6	264.0	000.1850	0137.8	048.8	39.20	
047.0	000.1000	-0004.1	005.6	263.9	000.1850	0137.8	048.8	39.22	
048.0	000.1000	-0004.2	005.6	263.9	000.1850	0137.8	048.7	39.25	
049.0	000.1000	-0004.2	005.6	263.8	000.1850	0137.8	048.7	39.27	
050.0	000.1000	-0004.2	005.6	263.7	000.1850	0137.9	048.6	39.29	
051.0	000.1000	-0004.1	005.6	263.6	000.1850	0137.9	048.6	39.31	
052.0	000.1000	-0004.0	005.6	263.5	000.1850	0137.9	048.5	39.33	
053.0	000.1000	-0003.9	005.6	263.4	000.1850	0137.9	048.5	39.35	
054.0	000.1000	-0003.7	005.6	263.3	000.1850	0137.9	048.4	39.37	
055.0	000.1000	-0003.4	005.6	263.2	000.1850	0137.9	048.4	39.39	
056.0	000.1000	-0003.1	005.6	263.1	000.1850	0137.9	048.3	39.41	
057.0	000.1000	-0002.7	005.6	263.0	000.1850	0138.0	048.3	39.43	
058.0	000.1000	-0002.4	005.6	262.8	000.1850	0138.0	048.2	39.45	
059.0	000.1000	-0002.0	005.6	262.7	000.1850	0138.0	048.2	39.46	
060.0	000.1000	-0001.5	005.6	262.6	000.1850	0138.0	048.2	39.48	
061.0	000.1000	-0000.8	005.6	262.5	000.1850	0138.0	048.1	39.49	
062.0	000.1000	0000.0	005.6	262.4	000.1850	0138.0	048.1	39.51	
063.0	000.1000	0000.4	005.6	262.3	000.1850	0138.1	048.1	39.52	
064.0	000.1000	0000.7	005.6	262.2	000.1850	0138.1	048.0	39.53	
065.0	000.1000	0000.7	005.6	262.1	000.1850	0138.1	048.0	39.55	
066.0	000.1000	0000.5	005.6	262.0	000.1850	0138.1	048.0	39.56	
067.0	000.1000	0000.3	005.6	261.9	000.1850	0138.1	047.9	39.57	
068.0	000.1000	0000.2	005.6	261.7	000.1850	0138.1	047.9	39.58	
069.0	000.1000	0000.4	005.6	261.6	000.1850	0138.1	047.9	39.59	
070.0	000.1000	0001.0	005.6	261.5	000.1850	0138.2	047.9	39.60	
071.0	000.1000	0001.7	005.6	261.4	000.1850	0138.2	047.9	39.60	
072.0	000.1000	0002.2	005.6	261.3	000.1850	0138.2	047.8	39.61	
073.0	000.1000	0002.3	005.6	261.2	000.1850	0138.2	047.8	39.62	
074.0	000.1000	0002.3	005.6	261.0	000.1850	0138.2	047.8	39.62	
075.0	000.1000	0002.3	005.6	260.9	000.1850	0138.2	047.8	39.63	
076.0	000.1000	0002.2	005.6	260.8	000.1850	0138.2	047.8	39.63	
077.0	000.1000	0002.1	005.6	260.7	000.1850	0138.2	047.8	39.63	
078.0	000.1000	0001.9	005.6	260.6	000.1850	0138.3	047.8	39.64	
079.0	000.1000	0001.8	005.6	260.5	000.1850	0138.3	047.8	39.64	
080.0	000.1000	0001.7	005.6	260.3	000.1850	0138.3	047.8	39.64	
081.0	000.1000	0001.8	005.6	260.2	000.1850	0138.3	047.8	39.64	
082.0	000.1000	0001.9	005.6	260.1	000.1850	0138.3	047.8	39.64	
083.0	000.1000	0002.3	005.6	260.0	000.1850	0138.3	047.8	39.64	
084.0	000.1000	0002.6	005.6	259.9	000.1850	0138.3	047.8	39.64	
085.0	000.1000	0002.9	005.6	259.8	000.1850	0138.3	047.8	39.63	
086.0	000.1000	0003.1	005.6	259.6	000.1850	0138.3	047.8	39.63	
087.0	000.1000	0003.2	005.6	259.5	000.1850	0138.3	047.8	39.63	
088.0	000.1000	0003.2	005.6	259.4	000.1850	0138.4	047.8	39.62	
089.0	000.1000	0003.3	005.6	259.3	000.1850	0138.4	047.9	39.61	
090.0	000.1000	0003.6	005.6	259.2	000.1850	0138.4	047.9	39.61	
091.0	000.1000	0003.8	005.6	259.1	000.1850	0138.4	047.9	39.60	
092.0	000.1000	0004.1	005.6	258.9	000.1850	0138.4	047.9	39.59	

093.0	000.1000	0004.3	005.6	258.8	000.1850	0138.4	047.9	39.58
094.0	000.1000	0004.5	005.6	258.7	000.1850	0138.4	048.0	39.57
095.0	000.1000	0004.7	005.6	258.6	000.1850	0138.4	048.0	39.56
096.0	000.1000	0005.0	005.6	258.5	000.1850	0138.4	048.0	39.55
097.0	000.1000	0005.4	005.6	258.4	000.1850	0138.4	048.1	39.54
098.0	000.1000	0005.6	005.6	258.3	000.1850	0138.4	048.1	39.53
099.0	000.1000	0005.8	005.6	258.2	000.1850	0138.4	048.1	39.51
100.0	000.1000	0006.1	005.6	258.0	000.1850	0138.4	048.2	39.50
101.0	000.1000	0006.3	005.6	257.9	000.1850	0138.4	048.2	39.49
102.0	000.1000	0006.5	005.6	257.8	000.1850	0138.4	048.2	39.47
103.0	000.1000	0006.6	005.6	257.7	000.1850	0138.4	048.3	39.45
104.0	000.1000	0006.7	005.6	257.6	000.1850	0138.4	048.3	39.44
105.0	000.1000	0006.7	005.6	257.5	000.1850	0138.4	048.4	39.42
106.0	000.1000	0006.7	005.6	257.4	000.1850	0138.4	048.4	39.40
107.0	000.1000	0006.5	005.6	257.3	000.1850	0138.4	048.5	39.38
108.0	000.1000	0006.4	005.6	257.2	000.1850	0138.4	048.5	39.36
109.0	000.1000	0006.3	005.6	257.1	000.1850	0138.4	048.6	39.34
110.0	000.1000	0006.2	005.6	257.0	000.1850	0138.4	048.6	39.32
111.0	000.1000	0006.2	005.6	256.9	000.1850	0138.4	048.7	39.30
112.0	000.1000	0006.3	005.6	256.8	000.1850	0138.4	048.7	39.28
113.0	000.1000	0006.4	005.6	256.7	000.1850	0138.4	048.8	39.26
114.0	000.1000	0006.6	005.6	256.6	000.1850	0138.4	048.8	39.23
115.0	000.1000	0006.7	005.6	256.5	000.1850	0138.4	048.9	39.21
116.0	000.1000	0006.8	005.6	256.5	000.1850	0138.4	049.0	39.19
117.0	000.1000	0006.8	005.6	256.4	000.1850	0138.4	049.0	39.16
118.0	000.1000	0006.9	005.6	256.3	000.1850	0138.4	049.1	39.14
119.0	000.1000	0007.0	005.6	256.2	000.1850	0138.4	049.2	39.11
120.0	000.1000	0007.3	005.6	256.1	000.1850	0138.4	049.2	39.08
121.0	000.1000	0007.6	005.6	256.0	000.1850	0138.4	049.3	39.06
122.0	000.1000	0007.8	005.6	256.0	000.1850	0138.4	049.4	39.03
123.0	000.1000	0008.0	005.6	255.9	000.1850	0138.4	049.4	39.00
124.0	000.1000	0008.3	005.6	255.8	000.1850	0138.4	049.5	38.97

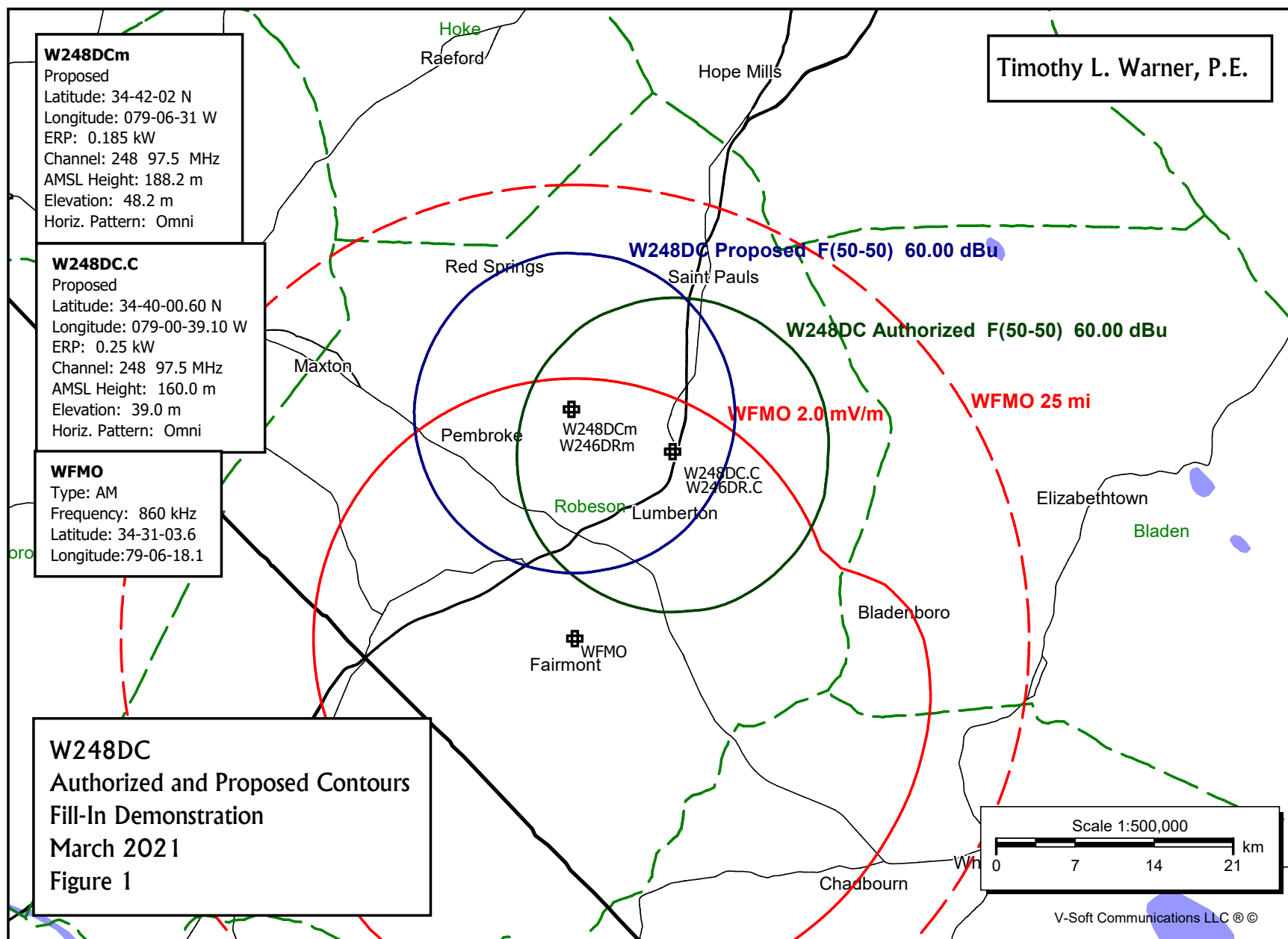


Figure 3: Allocation Study: WRQP-LP  
Truth Broadcasting Corporation

FMCommander Single Allocation Study - 03-31-2021 - GLOBE 30 Sec  
W248DC.C's Overlaps (In= 20.19 km, Out= 0.27 km)

W248DC.C CH 248 D  
Lat= 34 42 02.00, Lng= 79 06 31.00  
0.185 kW 140.8 m HAAT, 188.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WRQP-LP CH 248 L1 BLL20170126AAO  
Lat= 34 37 36.20, Lng= 79 40 43.00  
0.1 kW 20.37639 m HAAT, 66 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

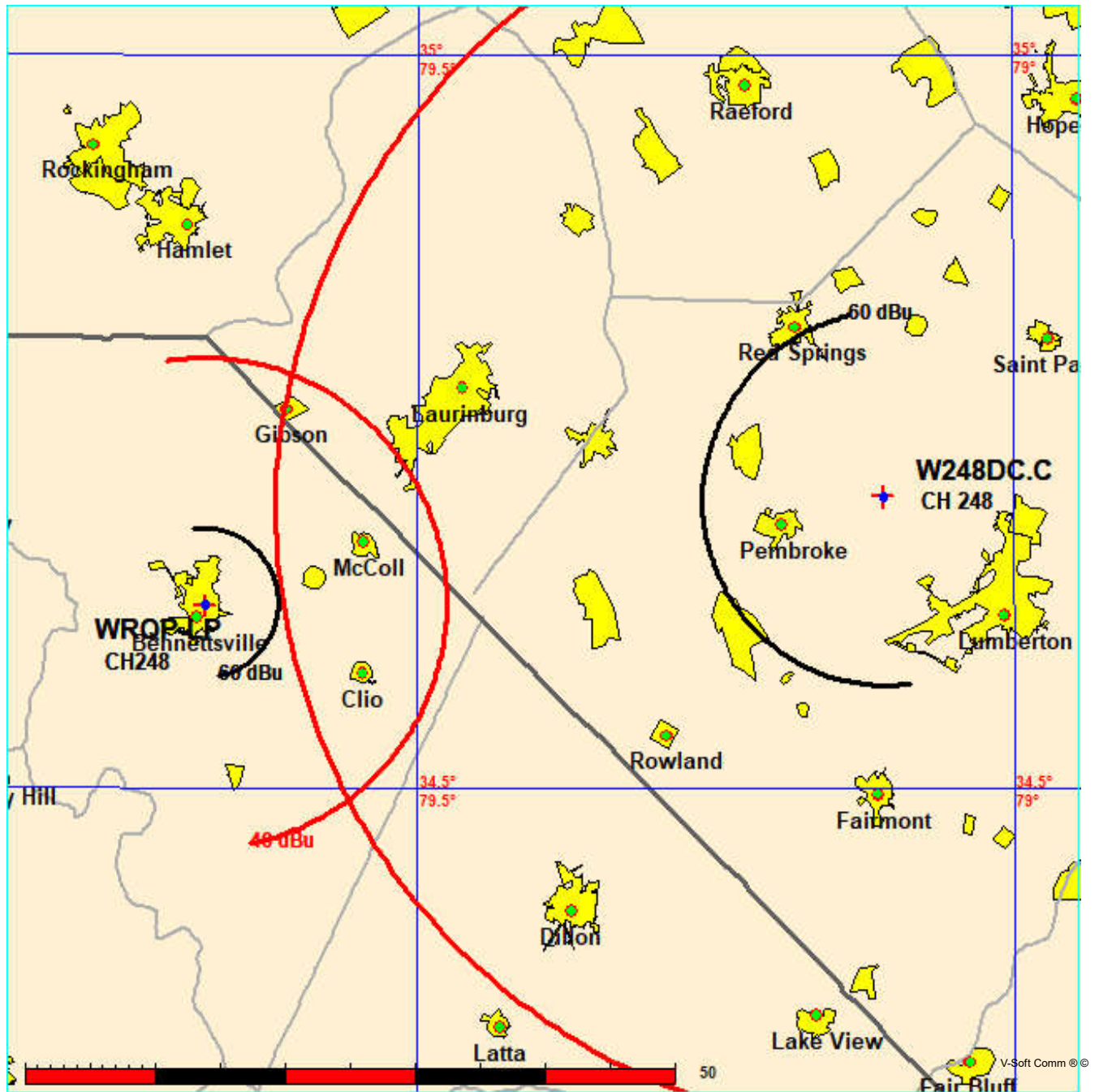
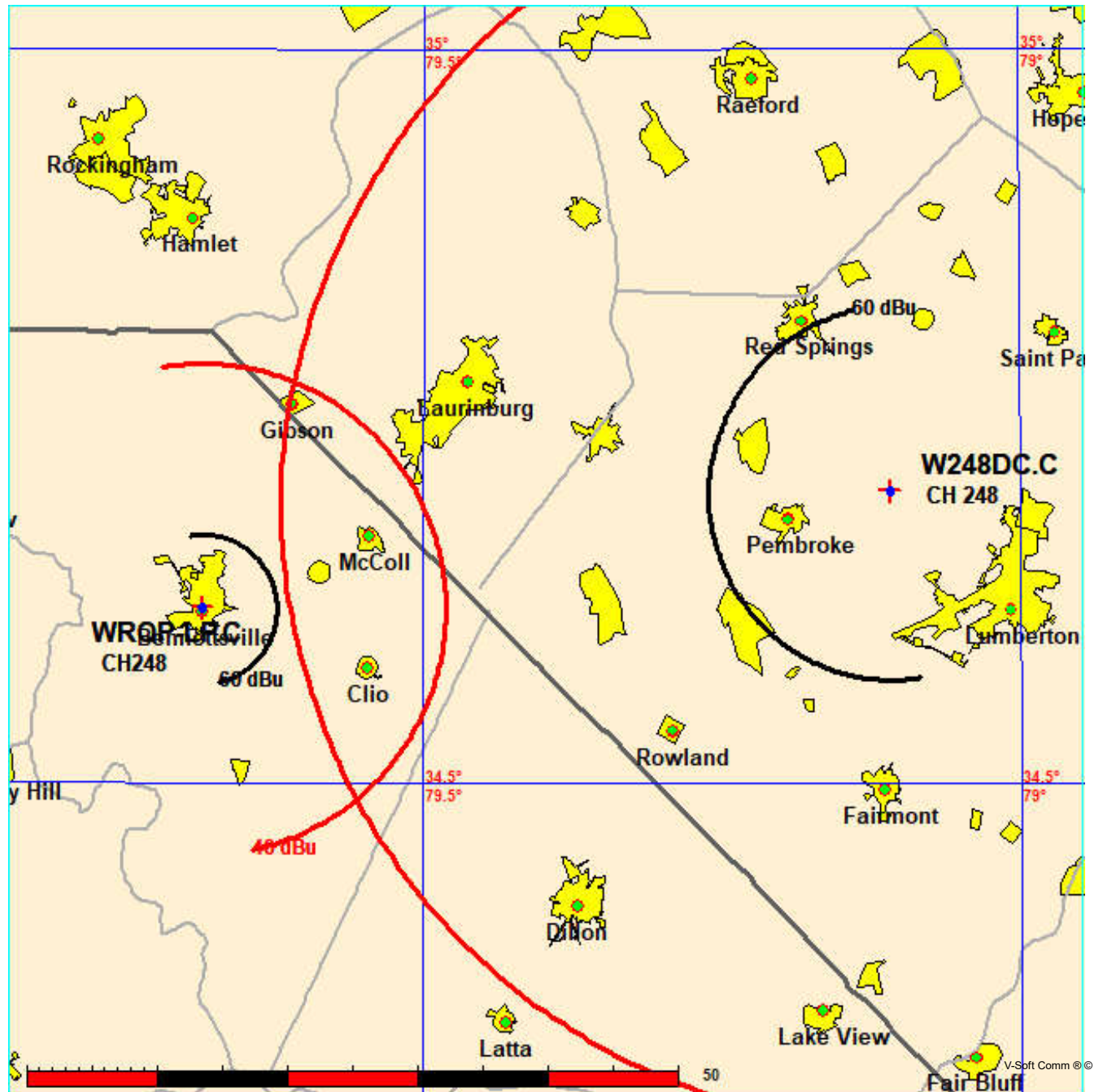


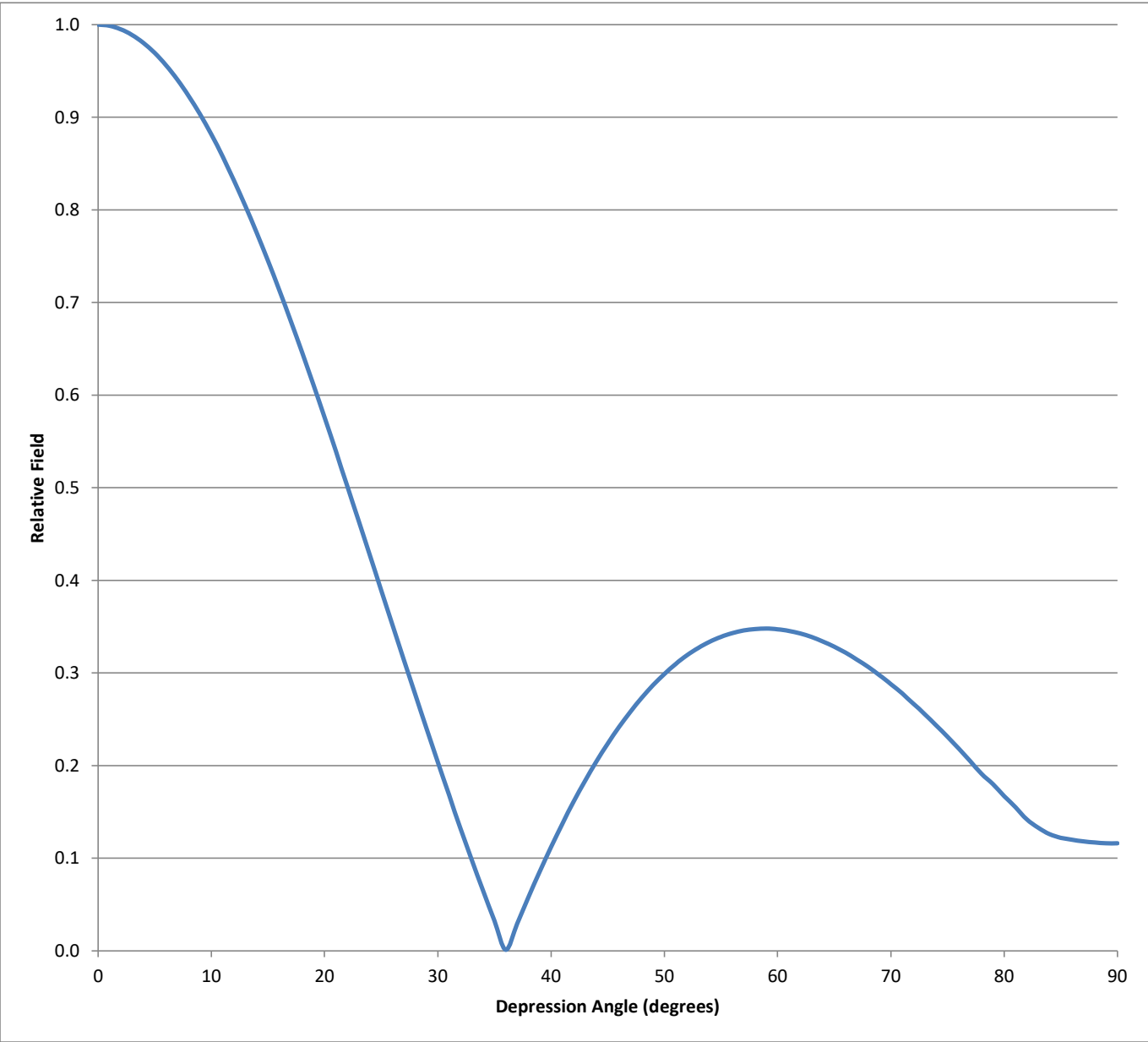
Figure 4: Allocation Study: WRQP-LP.C  
Truth Broadcasting Corporation

FMCommander Single Allocation Study - 03-31-2021 - GLOBE 30 Sec  
W248DC.C's Overlaps (In= 20.84 km, Out= 0.91 km)

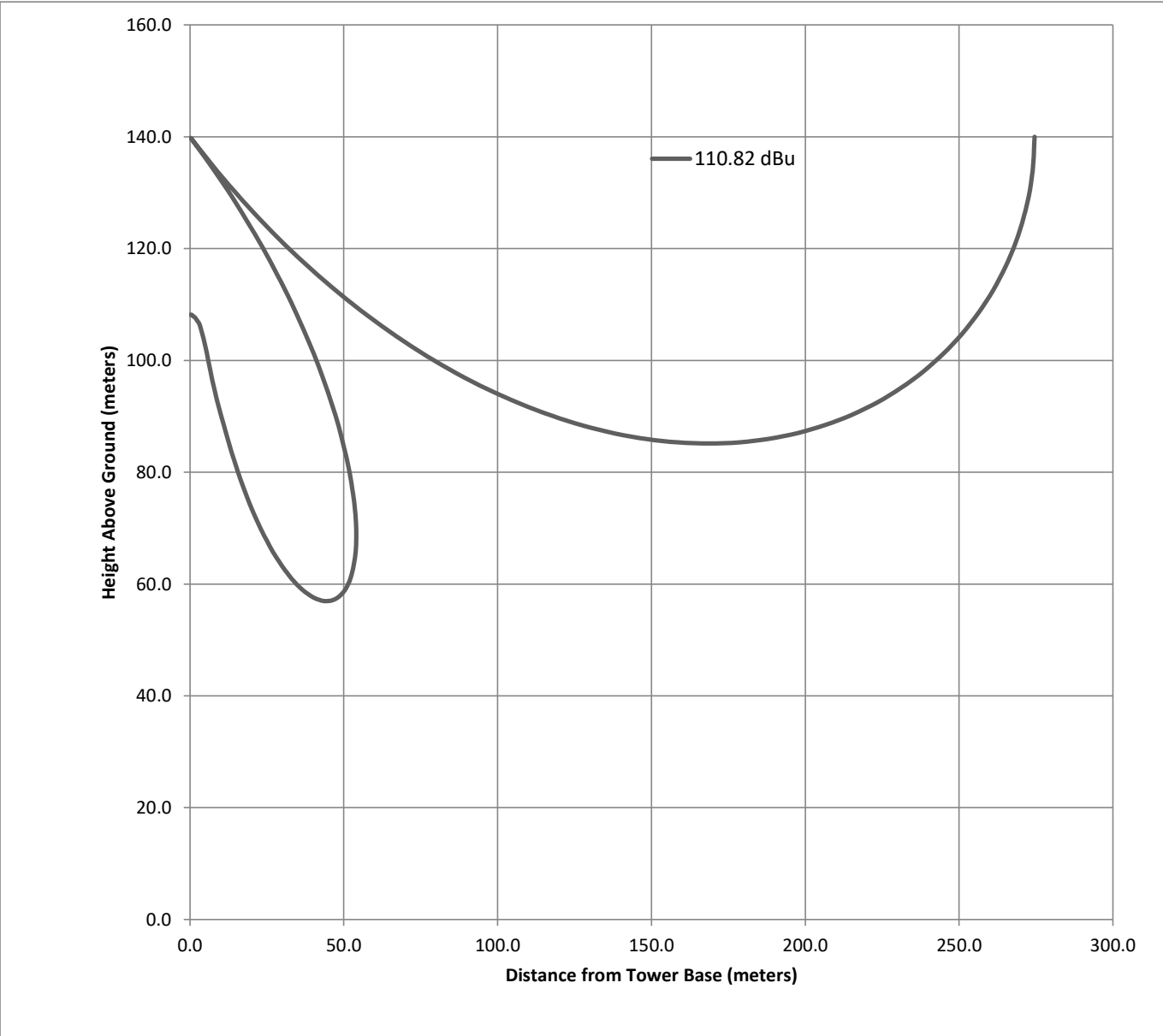
W248DC.C CH 248 D  
Lat= 34 42 02.00, Lng= 79 06 31.00  
0.185 kW 140.8 m HAAT, 188.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WRQP-LP CH 248 L1 BPL20180827AAE  
Lat= 34 37 06.90, Lng= 79 41 02.80  
0.1 kW 12.237 m HAAT, 56.8 m COR  
Prot.= 60 dBu, Intef.= 40 dBu





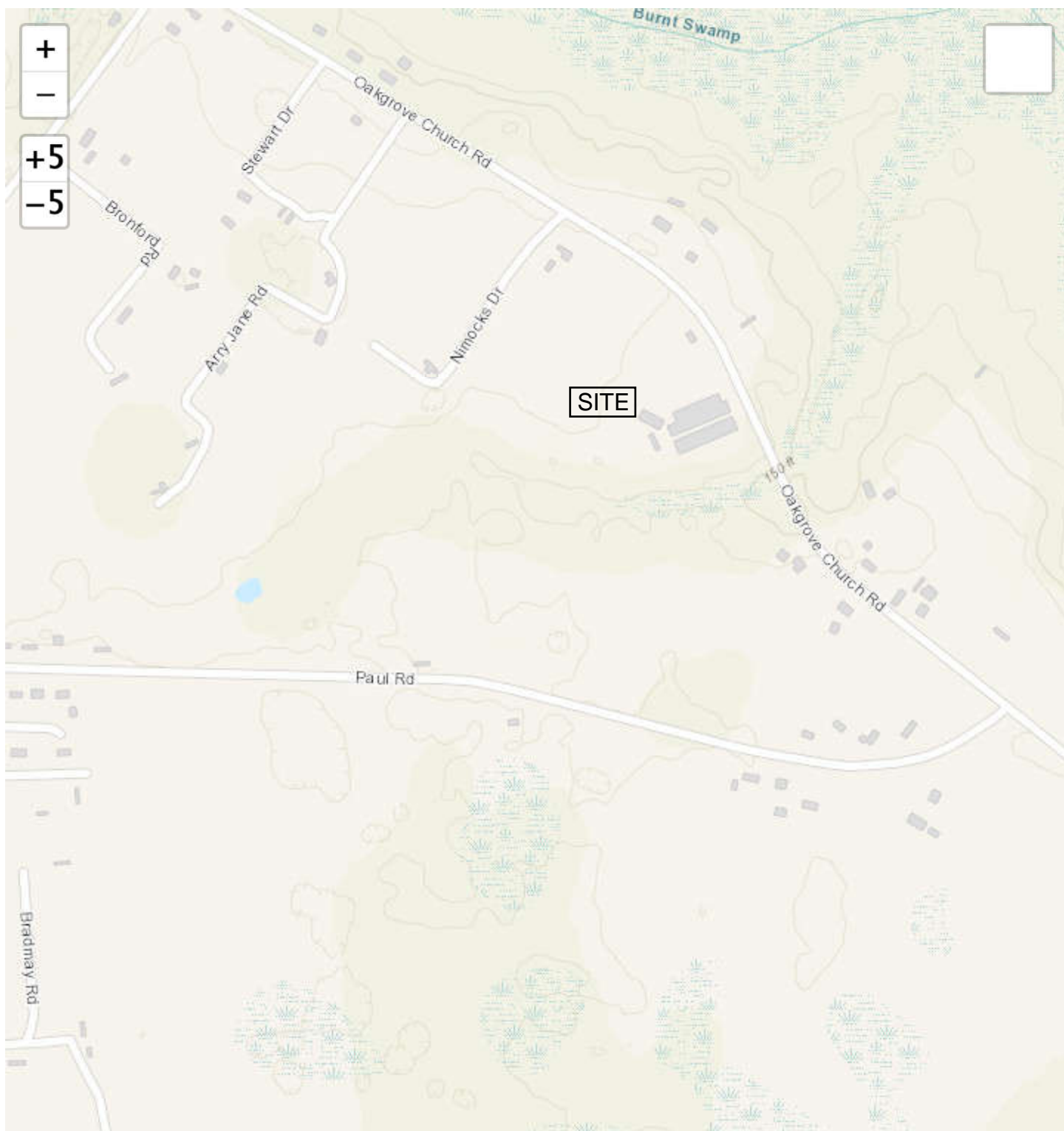




Fairmont, North Carolina

Truth

Channel 248D







# W248DC

Aerial Photograph with  
Interference Contours  
March 2021  
Figure 8

## Legend

-  W248DCm
-  W248DCm (248) - 50 10 Field Strength: 110.82 dBu FCC [GLOBE 30]

