# Technical Report Supporting a Schedule 349 Minor Change In Licensed Facility Construction Permit Application

Pursuant to 47 C.F.R. Section 74:

for

W280EP.L - Lumberton, NC (Facility ID: 156774)

"New-Directional Antenna, Decrease in Power & Correction of Coordinates"

as a

Regular, Non-Commercial, Non-Fill-In Translator for WYBH(FM) - Fayetteville, NC

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## **Supplemental Appendix(s):**

RF Appendix 1 - Radio Frequency Radiation Compliance Showing

**EXPLANATION OF PROPOSAL:** This Schedule 349 Filing and accompanying technical report supports a Minor Change in Licensed Facility Construction Permit Application for licensed FM Translator W280EP.L - Lumberton, NC (Facility ID: 156774). This FCC Schedule 349 Filing requests a new directional antenna from the same tower site, a decrease in power and a minor correction of coordinates. Continued operation on CH280D (103.9 MHz) with 0.038 kW ERP (circular polarization) at 114.6 meters AMSL is requested. This Schedule 349 Filing will continue to specify rebroadcast of Class A, FM Primary Station WYBH(FM) - Fayetteville, NC (CH216A, 91.1 MHz); Facility ID No. 85067. The Translator will continue to provide service to the community of Lumberton, NC.

**FACILITY COMPLIANCE SHOWINGS:** A map of the proposed 60 dB $\mu$  service contour in relation to the present 60 dB $\mu$  service contour has been included in *Exhibit 1*. The minor change proposed service area will overlap a portion of the presently licensed service area as noted in the exhibit. The proposed 60 dB $\mu$  contour of the Translator lies wholly outside of the NCE-FM Primary Station 60 dB $\mu$  contour. The Primary Station service contour relationship has been plotted in *Exhibit 2*.

The proposed facility will be located on the tower bearing Antenna Structure Registration Number 1020469. In support of this filing, a copy of the existing ASRN has been included in *Exhibit 3*. A depiction of the tower and antenna configuration has been included in *Exhibit 4*. Further notification to the FAA or ASR governing authorities is not required as this proposal will not increase the overall tower height.

The applicant would like to note use of the NED 03 second terrain database for all allocation, contour and HAAT showings contained herein. A copy of the proposed HAAT calculation has been included in *Exhibit 5*. In this instance, the directional antenna results in all individual radials and individual radial powers (MERP's) falling within the allowances of 47 C.F.R. Section 74.1235(b) as noted in *Exhibit 5*.

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ALLOCATION COMPLIANCE SHOWINGS: The proposed Translator remains in compliance with

47 C.F.R. Section 74.1204 toward all allocation protection concerns. A general allocation study for this

proposal is found in *Exhibit 6*.

There are two additional facilities, existing or proposed, close enough to merit further study.

Therefore, a supplemental contour protection study has been provided toward each facility as included

in Exhibit(s) 7(a-b). It is believed sufficient clearance exists, precluding the need for additional contour

protection showings. Additional manufacturer's directional antenna documentation has been included

in *Exhibit 8*.

Regarding protection of international concerns, the facility is, and will remain, more than 320 km

from the common border between the United States and Canada or Mexico. As a result, no further

international protection showings are believed required.

**ENVIRONMENTAL COMPLIANCE SHOWINGS:** The proposed facility complies with the maximum

permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled

environments as set forth under §1.1310 and/or §1.1307(b)(3) of the Commission's rules and the

guidelines for RF radiation protection guidelines as set forth in OET Bulletin No. 65 (Edition 97-01), and

the accompanying Supplement A, (Edition 97-01). Compliance has been demonstrated in the attached

RF Appendix 1 of this filing. The facility is, or will be, properly marked with signs. Entry is, or will be,

restricted by means of fencing with locked doors or gates. In addition, coordination with other users of

the site will be secured to reduce power or cease operation as necessary to protect persons having access

to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Asher Broadcast Consulting, LLC

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Regarding compliance with the NEPA, Nationwide Programmatic Agreement and NHPA Section

106 for tower co-location, compliance with the Agreement is not required where no new tower

construction is being proposed and the tower is not being substantially altered. Specifically, compliance

is not necessary where only an antenna is being reused on an existing structure, as here. However, should

the Commission determine compliance is necessary, upon notification to the applicant, the applicant will

file FCC Form 621.

**CERTIFICATION OF TECHNICAL CONSULTANT**: I declare, under penalty of perjury, that the contents of this

report are true and accurate to the best of my knowledge and belief. I further certify I have over twenty-one years

of experience as a broadcast technical consultant before the Federal Communications Commission ("the FCC"); and

am familiar with the Code of Federal Regulations Title 47 ("the Rules") as pertaining to this report and its contents

herein. The underlying data utilized in this report was taken directly from FCC databases or indirectly through third

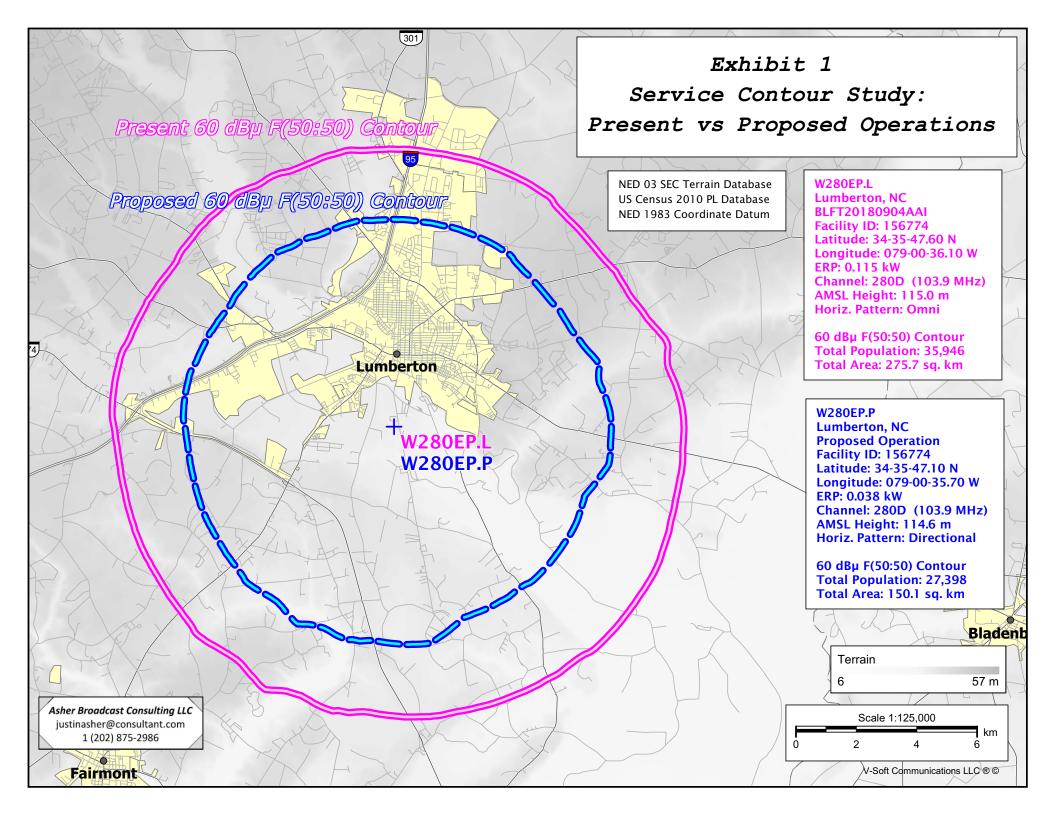
party software vendors securing data directly from FCC databases. This firm cannot be held liable for errors or

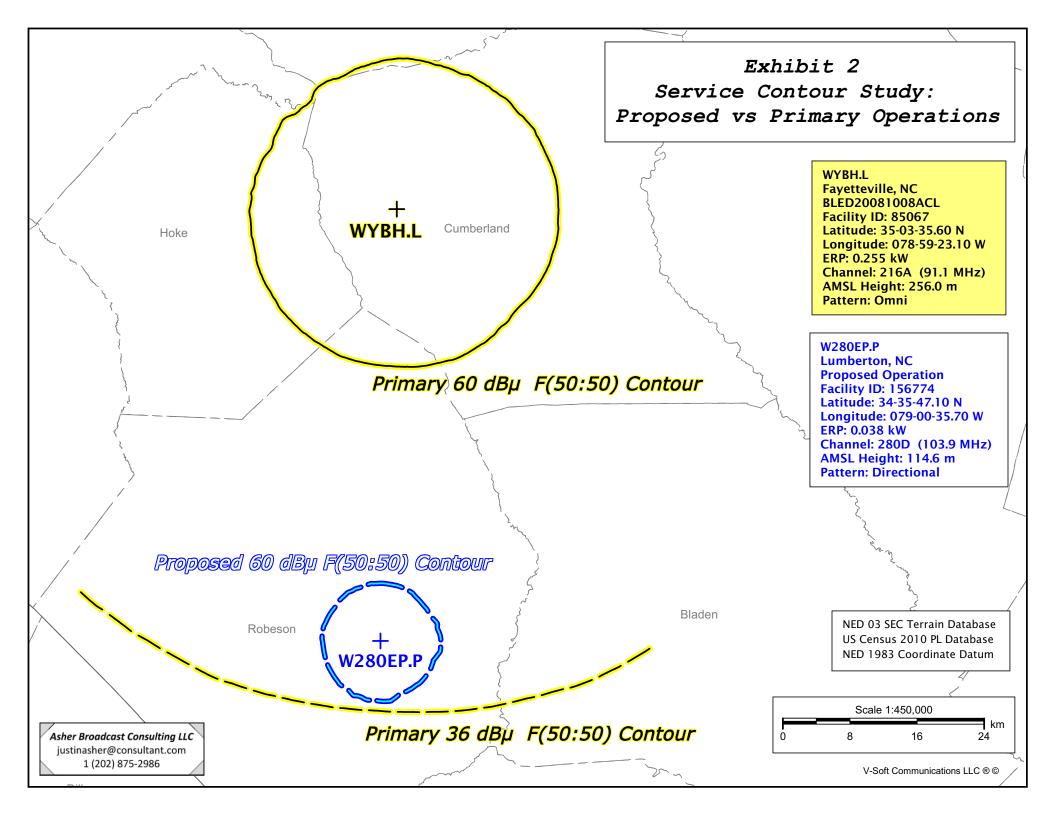
omissions resulting from the underlying data. The information contained herein is believed accurate to the date

reported below.

Justin W. Asher, Technical Consultant

July 10, 2020





#### ASR Registration Search

#### Registration 1020469



# Exhibit 3 Copy of Existing Antenna Structure Registration (public record copy)

**Registration Detail** 

Reg Number1020469StatusConstructedFile NumberA0786348Constructed01/01/1965

EMI No Dismantled

NEPA No

**Antenna Structure** 

Structure Type TOWER - Free standing or Guyed Structure used for Commu

Location (in NAD83 Coordinates)

Lat/Long 34-35-47.1 N 079-00-35.7 W Address 1498 Alamac Road

City, State Lumberton , NC

Zip 28358 County ROBESON

Center of AM Array Position of Tower in Array

Heights (meters)

Elevation of Site Above Mean Sea Level Overall Height Above Ground (AGL)

34.7

Overall Height Above Mean Sea Level Overall Height Above Ground w/o Appurtenances

128.0 92.4

**Painting and Lighting Specifications** 

FAA Chapters 3, 4, 5, 12

Paint and Light in Accordance with FAA Circular Number 70/7460-1K

**FAA Notification** 

FAA Study 2011-ASO-4329-OE FAA Issue Date 07/15/2011

**Owner & Contact Information** 

 FRN
 0004121000
 Owner Entity Type
 Corporation

 Assignor FRN
 0008321234
 Assignor ID
 L00200377

Owner

Educational Media Foundation P: (916)251-1600

5700 West Oaks Blvd

Rocklin , CA 95765 E: reception@kloveair1.com

Contact

Attention To: Signal Development P: (916)251-1600 5700 West Oaks Blvd F:

Rocklin , CA 95747 E: reception@kloveair1.com

**Last Action Status** 

Status Constructed Received 09/25/2012
Purpose Change Owner Entered 09/25/2012

Mode Interactive

**Related Applications** 

09/25/2012 A0786348 - Change Owner (OC) 07/21/2011 A0732712 - Notification (NT) 07/20/2011 A0732647 - Notification (NT)

Related applications (6)

**Comments** 

07/21/2011 OWNERSHIP INFO UPDATED AS A RESULT OF MOD OF 'O' APPLICATION PROCESSED

History

Date Event

09/26/2012 Registration Printed

09/26/2012 Change of Ownership Letter Sent 09/25/2012 Change of Ownership Received

All History (10)

**Automated Letters** 

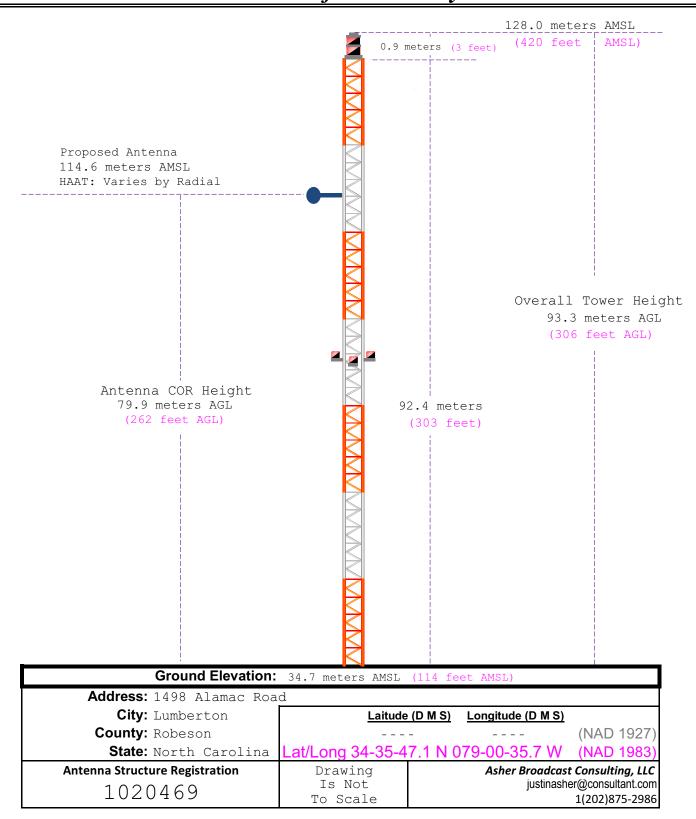
09/26/2012 Authorization, Reference

09/26/2012 Ownership Change, Reference 727670

07/22/2011 Authorization, Reference

All letters (4)

# Exhibit 4 Vertical Plan of Antenna System



# Exhibit 5 <u>HAAT and Miscellaneous Coordinate Information</u>

## **HAAT Calculation (1983):**

N. Lat. = 343547.1 W. Lng. = 790035.7 HAAT and Distance to Contour, FCC, FM 2-10 Mi, 51 pts Method - NED 03 SEC

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000 030 060 090 120 150 180 210 240	41.9 41.7 45.8 34.7 29.9 31.4 35.0 36.5 40.4	72.7 72.9 68.8 79.9 84.7 83.2 79.6 78.1	0.0380 0.0380 0.0380 0.0380 0.0270 0.0270 0.0380 0.0380 0.0380	-14.20 -14.20 -14.20 -14.20 -15.69 -15.69 -14.20 -14.20	1.000 1.000 1.000 1.000 0.843 0.843 1.000 1.000	6.85 6.86 6.67 7.18 6.82 6.76 7.17 7.10 6.92
270 300 330	40.5 43.3 41.9	74.1 71.3 72.7	0.0380 0.0380 0.0380	-14.20 -14.20 -14.20	1.000 1.000 1.000	6.92 6.79 6.85

Ave El= 38.58 M HAAT= 76.02 M AMSL= 114.6 M

#### NAD 1983 to NAD 1927 Conversion:

## Various Coordinate Conversion Calculations (NAD 1983):

Position Type	Lat Lon
Degrees Lat Long	34.5964167°, <b>-</b> 079.0099167°
Degrees Minutes	34°35.78500', -079°00.59500'
<b>Degrees Minutes Seconds</b>	34°35'47.1000", <b>-</b> 079°00'35.7000"
UTM	17S 682498mE 3830088mN
UTM centimeter	17S 682498.65mE 3830088.69mN
MGRS	17SPU8249830088
Grid North	1.1°
GARS	202LK46
Maidenhead	FM04L083TD43
GEOREF	GJLE59403578

# Exhibit 6 Tabulation of Proposed Allocation

Blue Text indicates contour protection studies toward select stations as included in *Exhibit(s)* 7(a-b).

REFERENCE 34 35 47.10 N. 79 00 35.70 W.							
CH CALL	TYPE ANT	AZI	DIST	LAT	PWR(kW) INT(km)	PRO(km) *IN* *OUT* LICENSEE (Overlap in km)	
280D W280EP	LIC NC	0.0		34 35 47.60	0.115	Reference	
281C1 WYAV Myrtle Beach	LIC	181.8 1.8	111.83 BLH19980731KA	33 35 27.60 79 02 54.10	100.000 104.8 299 301	72.2 -0.1< 29.5 Dick Broadcasting Company,	
279D W279DQ Fair Bluff	CP D	178.6 358.6	30.37 BNPFT20180314ABA	34 19 24.00 79 00 06.00	0.250 20.9 140	13.9 2.3 6.3 Keith Baldwin	
	LIC Z NC		113.58 BLH19921001KA	35 35 47.50 78 45 17.00	7.900 100.6 176 272	38.5 6.1 52.2 Radio One Licenses, LLC	
278C2 WRCQ Dunn	LIC	33.0 213.2		35 03 09.50 78 38 53.00	48.000 5.9 153 187	51.7 47.8 8.4 Cumulus Licensing LLC	
280D W280FO Whiteville	LIC	138.0 318.2	40.79 BLFT20180710AAS	34 19 23.60 78 42 46.00	0.250 25.1 64	7.5 8.9 10.5 Wtxy Radio LLC	
283A WCCG Hope Mills	LIC	19.4 199.5	40.85 BLH19970421KB	34 56 34.60 78 51 40.10	6.000 2.4 84 122	24.8 31.5 15.6 Dr. James E. Carson	
277C2 WJMX-FM Cheraw	LIC	263.2 82.7	82.56 BLH19921118KA	34 30 18.50 79 54 17.20	50.000 6.3 150 197	54.2 69.4 27.9 Amfm Radio Licenses, L.L.C	
282C3 WJSG Hamlet	LIC N	290.2 109.8	69.74 BLH20061109ADN	34 48 39.60 79 43 37.20	6.000 3.2 149 223	33.8 59.7 35.5 Jackson Broadcasting Compa	
279C2 WILT Wrightsville Beac	LIC N ch NC		110.26 BLH20140121MLI	34 05 52.30 77 58 17.20	22.000 67.0 151 156	44.9 36.5 55.6 Sunrise Broadcasting, LLC	
279C2 AL9816 Wrightsville Beac	RSV-A	123.0 303.6	120.94 RM11295	33 59 56.63 77 54 33.95	50.000 77.2 150 153	51.4 36.9 59.8	
279C0 WSOC-FM Charlotte	LIC	296.0 115.0		35 15 06.50 80 41 11.20	100.000 120.8 411 613	81.4 41.6 78.2 Beasley Media Group Licens	
281D W281BZ Southern Pines	LIC	336.3 156.0	89.53 BLFT20180731ABD	35 19 58.60 79 24 26.10	0.250 24.4 273	16.3 58.3 63.4 Pinehurst Broadcasting Cor	

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM Contour distances are on direct line to and from reference station. Reference zone= East Zone, Co to 3rd adjacent. All separation margins (if shown) include rounding. Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

Reference station has protected zone issue: AM tower

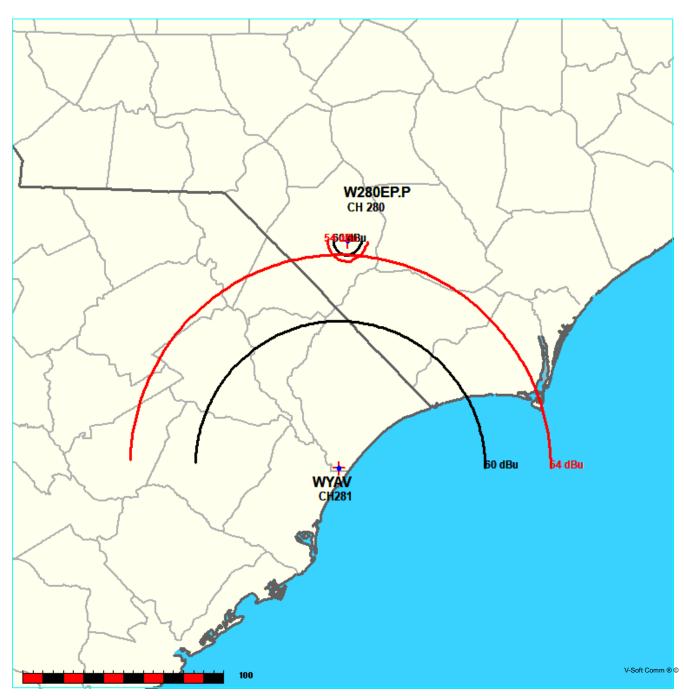
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X, "\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

<sup>&</sup>lt; = Contour Overlap</pre>

# Exhibit 7a Contour Protection Studies Toward Select Allocation Concern(s)

FMCommander Single Allocation Study - 07-06-2020 - NED 03 SEC W280EP.P's Overlaps (In= -0.14 km, Out= 29.46 km)

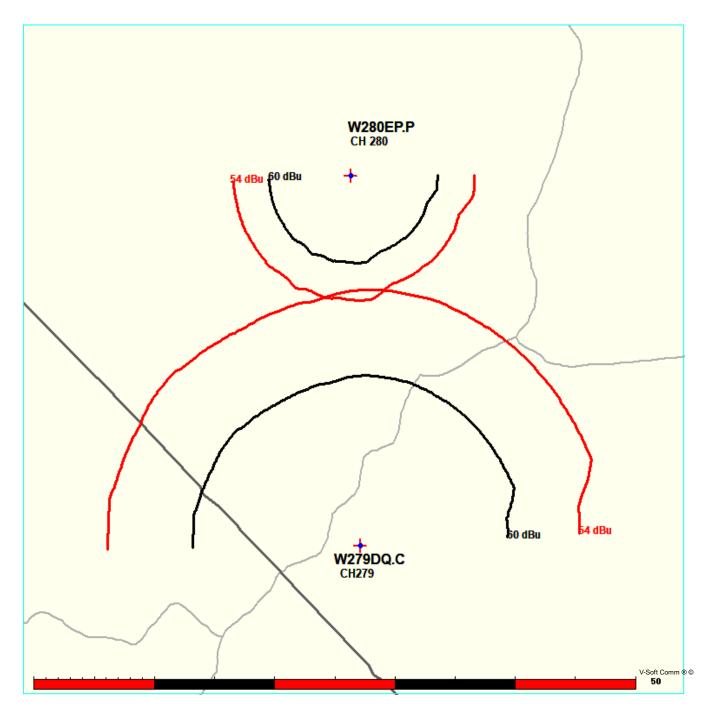
W280EP.P CH 280 D DA Lat= 34 35 47.10, Lng= 79 00 35.70 0.038 kW 76 m HAAT, 114.6 m COR Prot.= 60 dBu, Intef.= 54 dBu WYAV CH 281 C1 BLH19980731KA Lat= 33 35 27.60, Lng= 79 02 54.10 100.0 kW 299 m HAAT, 301 m COR Prot.= 60 dBu, Intef.= 54 dBu

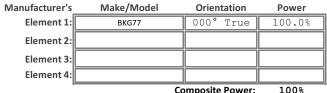


## Exhibit 7b Contour Protection Studies Toward Select Allocation Concern(s)

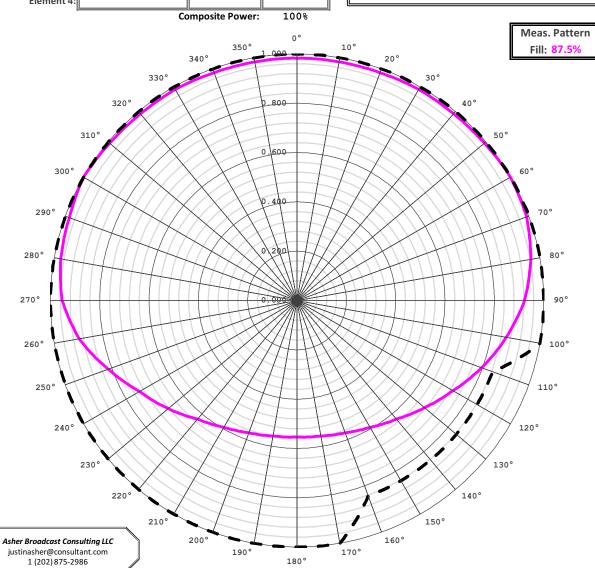
FMCommander Single Allocation Study - 07-06-2020 - NED 03 SEC W280EP.P's Overlaps (In= 2.29 km, Out= 6.26 km)

W280EP.P CH 280 D DA Lat= 34 35 47.10, Lng= 79 00 35.70 0.038 kW 76 m HAAT, 114.6 m COR Prot.= 60 dBu, Intef.= 54 dBu W279DQ CH 279 D DA BNPFT20180314ABA Lat= 34 19 24.00, Lng= 79 00 06.00 0.25 kW 0 m HAAT, 140 m COR Prot.= 60 dBu, Intef.= 54 dBu





### Exhibit 8 - Copy of Manufacturer's Directional Antenna Pattern Data



Azimuth	FCC	Manufacturer's
° True	Pattern	Pattern
0°	1.000	0.983
10°	1.000	0.983
20°	1.000	0.983
30°	1.000	0.988
40°	1.000	0.988
50°	1.000	0.992
60°	1.000	1.000
70°	1.000	0.991
80°	1.000	0.963
90°	1.000	0.923
100°	1.000	0.862
110°	0.843	0.797
120°	0.843	0.731
130°	0.843	0.676
140°	0.843	0.628
150°	0.843	0.594
160°	0.843	0.571
170°	1.000	0.558
180°	1.000	0.553
190°	1.000	0.558
200°	1.000	0.571
210°	1.000	0.594
220°	1.000	0.628
230°	1.000	0.682
240°	1.000	0.738
250°	1.000	0.815
260°	1.000	0.897
270°	1.000	0.953
280°	1.000	0.973
290°	1.000	0.983
300°	1.000	1.000
310°	1.000	0.992
320°	1.000	0.988
330°	1.000	0.988
340°	1.000	0.983
350°	1.000	0.983

Allocation (FCC) Pattern:

Manufacturer's Pattern:

#### Copy of Manufacturer's Directional Antenna Documentation (public record copy) (Actual Antenna Pattern rotated to 000.0°T)



#### **BKG 77**

Medium Power Broadband FM Circular Polarization Antenna

#### **TECHNICAL SPECIFICATIONS**

Antenna type: circular polarization: dipole Front-to-back ratio: 3 dB Frequency range: 87.5 - 108 MHz Lightening protection: all parts grounded

Bandwidth: 20 MHz

Max wind velocity: 120 mph (190 km/h)

**Impedance:** 50 ohms Wind load: 53 Lbs (24 kg)

**Connectors:** N type (1 kw) -7/8 type / 7/16D**I**N(2 kw)

Wind surface: 1.1 ft2 (0.10 m2) Power rating: 2000 Watts max Materials (external): stainless steel

**VSWR:** < 1.3

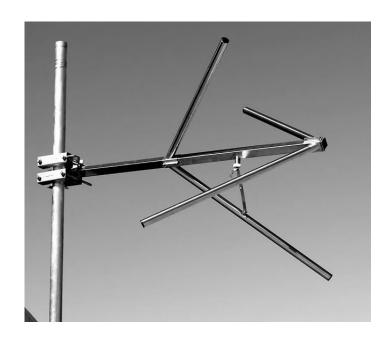
Mounting: from 2" to 4"

**Polarization:** vertical and horizontal

Weight: 25 Lbs (11.3 kg)

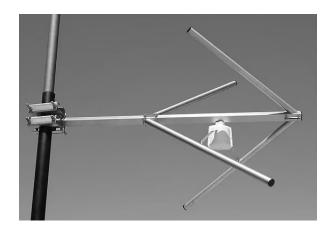
Gain: - 3 dBd (referred to half-wave dipole) **Dimensions:** 58"×32"×32" (1450×800×800mm) **H plane:** omnidirectional ±1.5 dB (with a 4" mast) **V plane:** omnidirectional ±3 dB (with a 4" mast)

Packing: 68"×10"×10"



#### Optional Mini-Radome





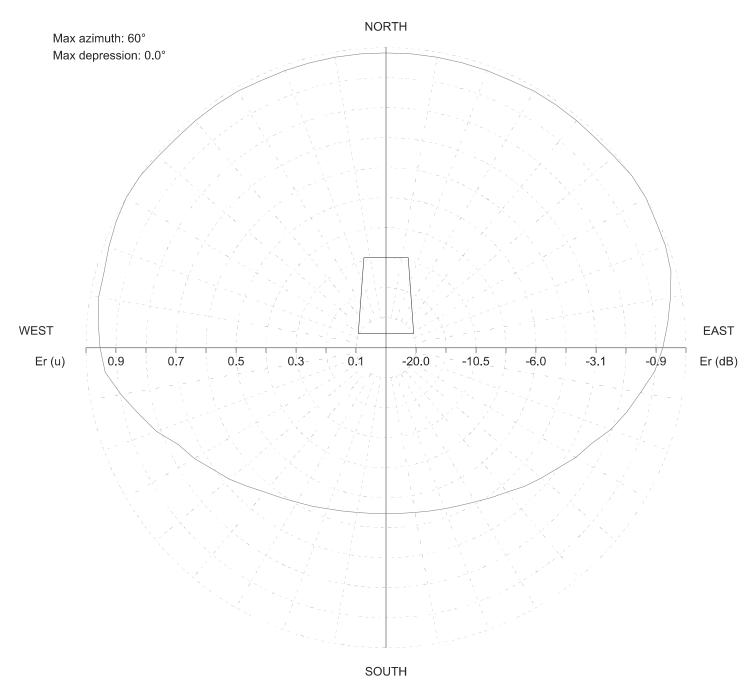
# Copy of Manufacturer's Directional Antenna Documentation (Actual Antenna Pattern rotated to 000.0°T) (public record copy)

Date: 29/04/2013 BKG77SINGLE.PRJ

TX station: BKG77-1 Site name:

Frequency: 100.00 MHz

#### Horizontal diagram of Maxima



0.0° depres. (Total antenna), Gain (dBd): -3.03 ERP T.max (KW): 0.498

ERP E.max (KW): 0.387

# Copy of Manufacturer's Directional Antenna Documentation (Actual Antenna Pattern rotated to 000.0°T) (public record copy)

Date: 29/04/2013 BKG77SINGLE.PRJ

TX station: BKG77-1 Site name:

Frequency: 100.00 MHz

#### Horizontal diagram of Maxima

Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
0.0	0.0	98.3	373.6	120.0	0.0	73.1	206.6	240.0	0.0	73.8	210.7
5.0	0.0	98.3	373.6	125.0	0.0	69.9	189.2	245.0	0.0	76.4	225.7
10.0	0.0	98.3	373.6	130.0	0.0	67.6	176.7	250.0	0.0	81.5	256.6
15.0	0.0	98.3	373.6	135.0	0.0	65.3	165.1	255.0	0.0	85.3	281.6
20.0	0.0	98.3	373.6	140.0	0.0	62.8	152.7	260.0	0.0	89.7	311.1
25.0	0.0	98.3	373.6	145.0	0.0	61.0	144.0	265.0	0.0	93.9	341.1
30.0	0.0	98.8	377.5	150.0	0.0	59.4	136.3	270.0	0.0	95.3	351.1
35.0	0.0	98.8	377.5	155.0	0.0	58.0	130.3	275.0	0.0	96.3	358.5
40.0	0.0	98.8	377.5	160.0	0.0	57.1	126.1	280.0	0.0	97.3	366.1
45.0	0.0	98.8	377.5	165.0	0.0	56.3	122.8	285.0	0.0	97.3	366.1
50.0	0.0	99.2	380.8	170.0	0.0	55.8	120.3	290.0	0.0	98.3	373.6
55.0	0.0	100.0	386.5	175.0	0.0	55.4	118.7	295.0	0.0	99.3	381.4
60.0	0.0	100.0	386.7	180.0	0.0	55.3	118.2	300.0	0.0	100.0	386.7
65.0	0.0	99.3	381.4	185.0	0.0	55.4	118.7	305.0	0.0	100.0	386.5
70.0	0.0	99.1	380.0	190.0	0.0	55.8	120.3	310.0	0.0	99.2	380.8
75.0	0.0	98.3	373.6	195.0	0.0	56.3	122.8	315.0	0.0	98.8	377.5
80.0	0.0	96.3	358.5	200.0	0.0	57.1	126.1	320.0	0.0	98.8	377.5
85.0	0.0	94.3	343.8	205.0	0.0	58.3	131.4	325.0	0.0	98.8	377.5
90.0	0.0	92.3	329.3	210.0	0.0	59.4	136.5	330.0	0.0	98.8	377.5
95.0	0.0	90.0	312.9	215.0	0.0	61.0	144.0	335.0	0.0	98.3	373.6
100.0	0.0	86.2	287.1	220.0	0.0	62.8	152.7	340.0	0.0	98.3	373.6
105.0	0.0	83.0	266.7	225.0	0.0	65.3	165.1	345.0	0.0	98.3	373.6
110.0	0.0	79.7	245.9	230.0	0.0	68.2	179.6	350.0	0.0	98.3	373.6
115.0	0.0	75.6	221.0	235.0	0.0	70.6	192.7	355.0	0.0	98.3	373.6

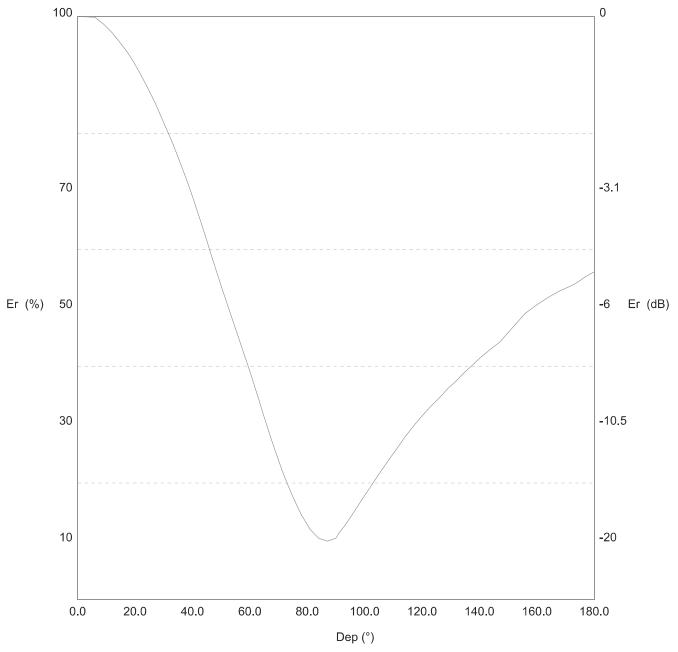
# Copy of Manufacturer's Directional Antenna Documentation (Actual Antenna Pattern rotated to 000.0°T) (public record copy)

Date: 29/04/2013 BKG77SINGLE.PRJ

TX station: BKG77-1 Site name:

Frequency: 100.00 MHz





---- 0.0° Az. (Total antenna)

# Copy of Manufacturer's Directional Antenna Documentation (Actual Antenna Pattern rotated to 000.0°T) (public record copy) E.PRJ

(Filling)

TX station: BKG77-1 Site name:

Frequency: 100.00 MHz

#### Vertical diagram at an azimuth of 0° degrees

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.0	373.6	60.0	39.1	57.2	120.0	31.5	37.0
1.0	100.0	373.5	61.0	37.6	52.8	121.0	32.0	38.3
2.0	100.0	373.4	62.0	36.1	48.6	122.0	32.6	39.6
3.0	99.9	373.3	63.0	34.5	44.6	123.0	33.1	41.0
4.0	99.9	373.1	64.0	32.9	40.5	124.0	33.6	42.2
5.0	99.9	372.9	65.0	31.3	36.6	125.0	34.1	43.5
6.0	99.9	372.8	66.0	29.7	33.0	126.0	34.6	44.7
7.0	99.5	369.9	67.0	28.2	29.8	127.0	35.2	46.2
8.0	99.1	367.0	68.0	26.8	26.8	128.0	35.7	47.6
9.0	98.7	364.1	69.0	25.3	23.9	129.0	36.2	49.1
10.0	98.2	360.5	70.0	23.9	21.3	130.0	36.7	50.3
11.0	97.7	356.9	71.0	22.5	18.9	131.0	37.1	51.5
12.0	97.2	353.3	72.0	21.1	16.6	132.0	37.6	52.7
13.0	96.6	348.9	73.0	19.9	14.8	133.0	38.1	54.1
14.0	96.0	344.5	74.0	18.8	13.2	134.0	38.6	55.6
15.0	95.4	340.1	75.0	17.6	11.6	135.0	39.1	57.0
16.0	94.7	335.4	76.0	16.6	10.2	136.0	39.5	58.4
17.0	94.1	330.8	77.0	15.5	9.0	137.0	40.0	59.7
18.0	93.4	326.1	78.0	14.5	7.8	138.0	40.4	61.1
19.0	92.6	320.4	79.0	13.7	7.0	139.0	40.9	62.5
20.0	91.8	314.7	80.0	12.9	6.2	140.0	41.4	63.9
21.0	91.0	309.1	81.0	12.0	5.4	141.0	41.8	65.3
22.0	90.0	302.7	82.0	11.5	5.0	142.0	42.2	66.5
23.0	89.1	296.5	83.0	11.0	4.5	143.0	42.6	67.8
24.0	88.1	290.3	84.0	10.5	4.1	144.0	43.0	69.0
25.0	87.2	283.8	85.0	10.3	4.0	145.0	43.4	70.3
26.0	86.2	277.4	86.0	10.2	3.9	146.0	43.8	71.6
27.0	85.2	271.1	87.0	10.0	3.7	147.0	44.1	72.8
28.0	84.0	263.9	88.0	10.2	3.9	148.0	44.7	74.7
29.0	82.9	256.8	89.0	10.4	4.0	149.0	45.3	76.5
30.0	81.8	249.8	90.0	10.5	4.1	150.0	45.8	78.4
31.0	80.6	242.9	91.0	11.4	4.8	151.0	46.4	80.3
32.0	79.5	236.1	92.0	12.0	5.4	152.0	46.9	82.3
33.0	78.3	229.3	93.0	12.7	6.0	153.0	47.5	84.3
34.0	77.1	222.0	94.0	13.4	6.7	154.0	48.0	86.2
35.0	75.8	214.7	95.0	14.1	7.4	155.0	48.6	88.2
36.0	74.5	207.6	96.0	14.8	8.2	156.0	49.1	90.2
37.0	73.2	200.4	97.0	15.6	9.1	157.0	49.5	91.5
38.0	71.9	193.3	98.0	16.4	10.0	158.0	49.8	92.8
39.0	70.6	186.3	99.0	17.1	11.0	159.0	50.2	94.1
40.0	69.1	178.6	100.0	17.9	11.9	160.0	50.5	95.4
41.0	67.6	170.9	101.0	18.6	12.9	161.0	50.9	96.8
42.0	66.1	163.5	102.0	19.3	13.9	162.0	51.2	98.1
43.0	64.6	156.0	103.0	20.1	15.0	163.0	51.5	99.2
44.0	63.1	148.7	104.0	20.8	16.2	164.0	51.8	100.4
45.0	61.6	141.6	105.0	21.5	17.3	165.0	52.1	101.6
46.0	60.0	134.4	106.0	22.3	18.5	166.0	52.4	102.7
47.0	58.4	127.5	107.0	23.0	19.7	167.0	52.7	103.7
48.0	56.8	120.7	108.0	23.7	21.0	168.0	53.0	104.8
49.0	55.3	114.4	109.0	24.4	22.2	169.0	53.2	105.7
50.0	53.8	108.2	110.0	25.1	23.5	170.0	53.4	106.5
51.0	52.3	102.2	111.0	25.7	24.8	171.0	53.6	107.4
52.0	50.8	96.6	112.0	26.5	26.2	172.0	53.9	108.4
53.0	49.4	91.1	113.0	27.2	27.6	173.0	54.1	109.4
54.0	47.9	85.8	114.0	27.9	29.0	174.0	54.4	110.5
55.0	46.5	80.7	115.0	28.5	30.4	175.0	54.7	111.9
56.0	45.0	75.7	116.0	29.2	31.8	176.0	55.1	113.3
57.0	43.6	71.0	117.0	29.8	33.1	177.0	55.4	114.7
58.0	42.1	66.2	118.0	30.4	34.4	178.0	55.7	115.9
59.0	40.6	61.6	119.0	30.9	35.7	179.0	56.0	117.0
			I			1		Nicomileo Inc

NicomUsa, Inc