

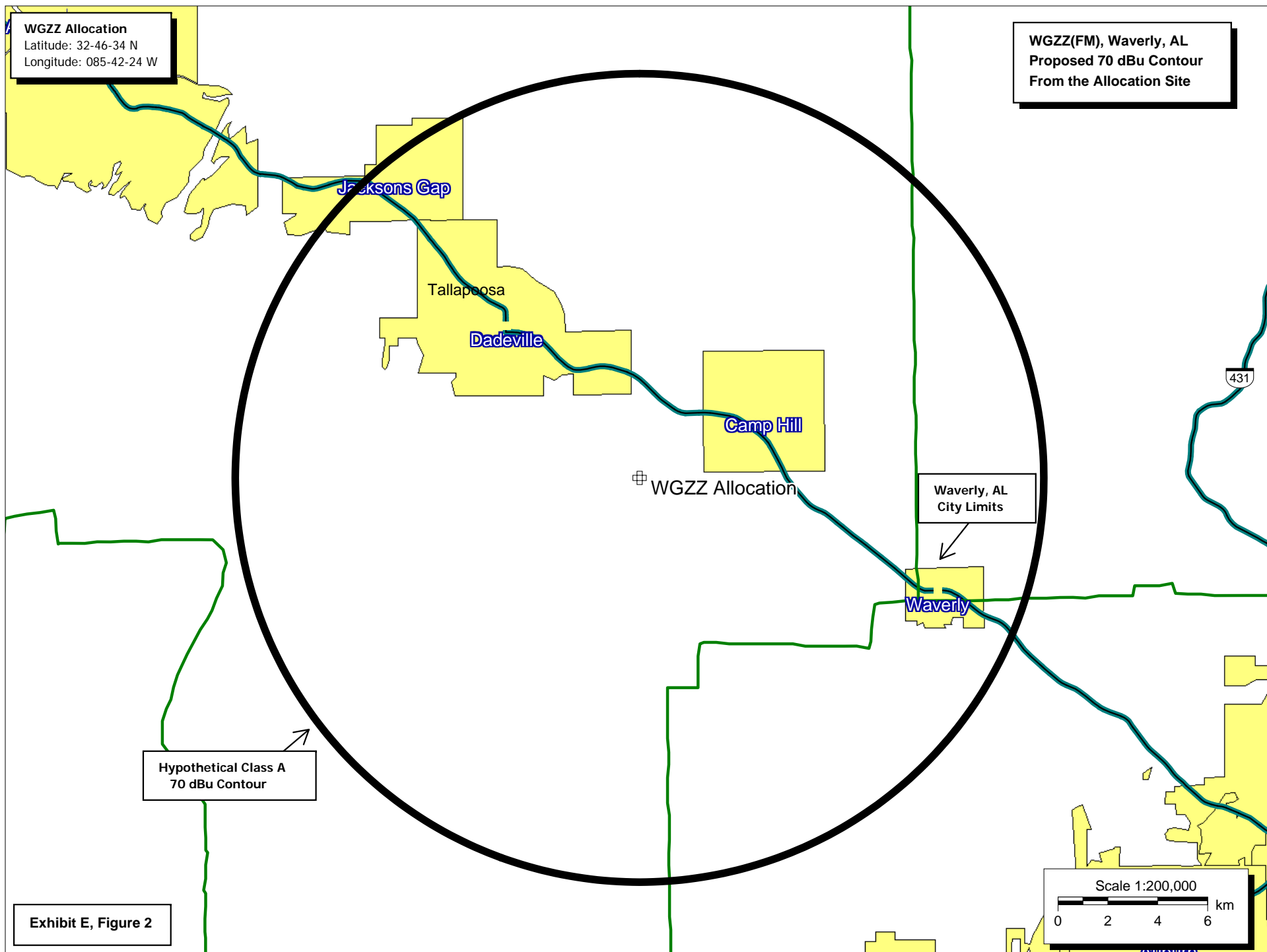
**Engineering Statement
In Support of an
Application for a Construction Permit
WGZZ(FM), Channel 262A, Waverly, Alabama**

Channel 262A at Waverly, Alabama Allocation Study

REFERENCE		DISPLAY DATES
32 46 34 N	CLASS = A	DATA 12-08-07
85 42 24 W	Current Spacings	SEARCH 12-13-07
----- Channel 262 - 100.3 MHz -----		

Call	Channel	Location	Dist	Azi	FCC	Margin

WGZZ	LIC-N 262A	Dadeville	AL	3.57	97.0	115.0 -111.43
Of no concern:						
Current licensed coordinates of WGZZ.						
WGSY	LIC	261A	Phenix City	AL	71.53	114.1 72.0 -0.47
WQNR.A	APP	260A	Tallassee	AL	37.87	192.1 31.0 6.87
WQNR	LIC	260A	Tallassee	AL	38.02	192.7 31.0 7.02
WAOQ	LIC	262A	Brantley	AL	128.02	202.2 115.0 13.02
AL5637	VAC	261C3	Anniston	AL	102.51	354.4 89.0 13.51
WJOX	LIC-N	263C1	Northport	AL	149.01	284.2 133.0 16.01
WJOX.C	CP -N	263C1	Helena	AL	149.01	284.2 133.0 16.01
AL4057	RSV	263C1	Helena	AL	149.69	285.2 133.0 16.69
WDXX.C	CP	261C2	Selma	AL	125.97	251.9 106.0 19.97
WDXX	LIC	261C2	Selma	AL	128.19	253.1 106.0 22.19
WOBB	LIC	262C0	Tifton	GA	237.20	128.6 215.0 22.20
AP8742	APP-D	209A	Alexander City	AL	32.48	306.8 10.0 22.48
WCJM-F	LIC-N	265A	West Point	GA	53.99	80.8 31.0 22.99
AP4083	APP	264A	Ashland	AL	55.36	349.7 31.0 24.36
WCKF.C	CP -N	264A	Ashland	AL	62.08	346.7 31.0 31.08



Pop. gain - 12,348
Area gain - 413 sq km
Pop. loss - 7,151
Area loss - 434 sq km

WGZZ(FM), Waverly, AL
Gain/Loss Study

LOSS AREA

⊕ WGZZ Licensed

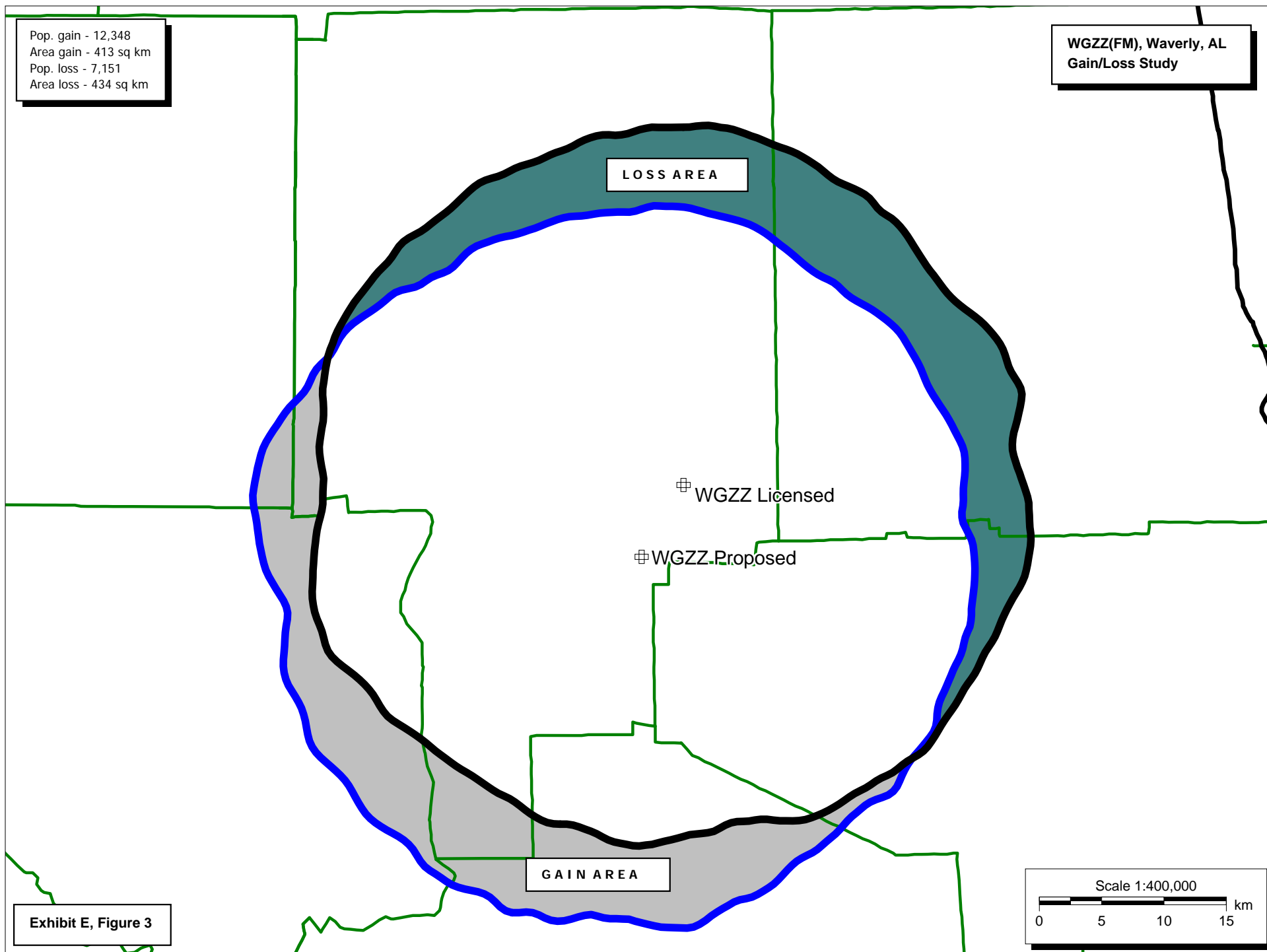
⊕ WGZZ Proposed

GAIN AREA

Exhibit E, Figure 3

Scale 1:400,000

0 5 10 15 km



WGZZ Allocation
Latitude: 32-46-34 N
Longitude: 085-42-24 W

**WGZZ(FM), Waverly, AL
Remaining Services Study
Map**

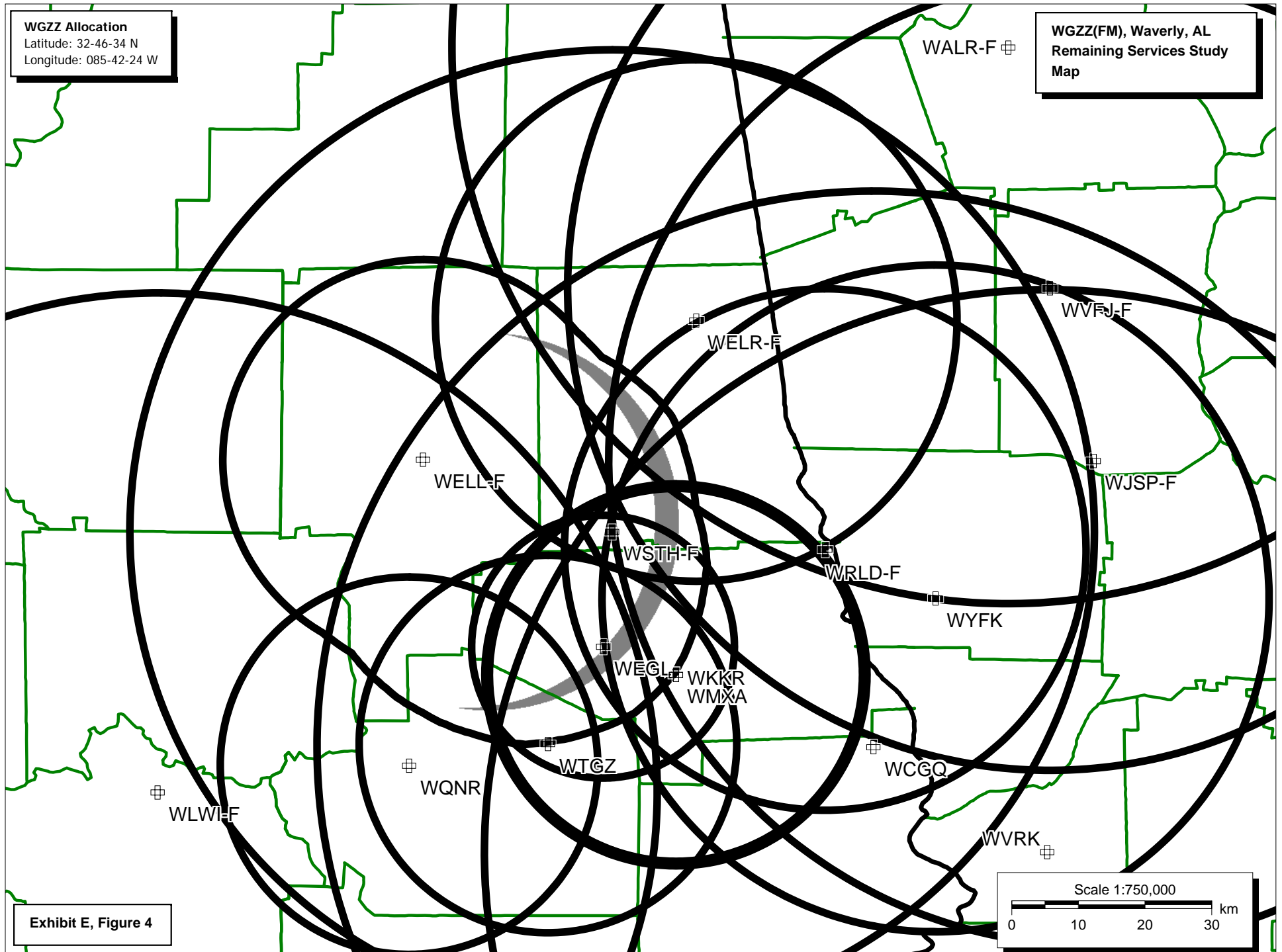


Exhibit E, Figure 4

WGZZ Allocation
Latitude: 32-46-34 N
Longitude: 085-42-24 W

WGZZ(FM), Waverly, AL
Underserved Areas That
Are Eliminated

Area currently served
by 3 aural services

Loss
Area

Gain
Area

WKGA

WELR-F

WVFX

WELL-F

WSTH-F

WRLD-F

WYFK

WEGL

WKRR
WMXA

WTGZ

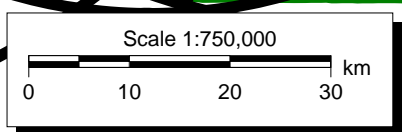
WCCQ

WVRK

WQNR

WLWI-F

Exhibit E, Figure 4(a)



**Engineering Statement
In Support of an
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WGZZ(FM), Channel 262A, Waverly, Alabama**

Channel 262A at Waverly, Alabama Channel Spacing Study

REFERENCE		DISPLAY DATES
32 43 13 N	CLASS = A	DATA 12-08-07
85 42 17 W	Current Spacings	SEARCH 12-13-07
----- Channel 262 - 100.3 MHz -----		

Call	Channel	Location	Dist	Azi	FCC	Margin

WGZZ	LIC-N 262A	Dadeville	AL 6.67	30.1	115.0	-108.33
Of no concern:						
Licensed coordinates of WGZZ.						
WGSY	LIC 261A	Phenix City	AL 69.06	109.5	72.0	-2.94
Of concern:						
Protection afforded under §73.215.						
WQNR.A	APP 260A	Tallassee	AL 31.89	194.7	31.0	0.89
WQNR	LIC 260A	Tallassee	AL 32.06	195.4	31.0	1.06
WAOQ	LIC 262A	Brantley	AL 122.39	203.4	115.0	7.39
WJOX.C	CP -N 263C1	Helena	AL 150.82	286.5	133.0	17.82
WJOX	LIC-N 263C1	Northport	AL 150.82	286.5	133.0	17.82
WOBB	LIC 262C0	Tifton	GA 233.26	127.4	215.0	18.26
WDXX.C	CP 261C2	Selma	AL 124.38	254.7	106.0	18.38
AL4057	RSV 263C1	Helena	AL 151.59	287.4	133.0	18.59
AL5637	VAC 261C3	Anniston	AL 108.69	354.6	89.0	19.69
WDXX	LIC 261C2	Selma	AL 126.71	255.8	106.0	20.71
WCJM-F	LIC-N 265A	West Point	GA 55.13	74.4	31.0	24.13
AP8742	APP-D 209A	Alexander City	AL 36.65	314.4	10.0	26.65
AD261	PRO 261A	Anniston	AL 101.46	354.0	72.0	29.46
AP4083	APP 264A	Ashland	AL 61.50	350.6	31.0	30.50
WCKF.C	CP -N 264A	Ashland	AL 68.16	347.7	31.0	37.16

**Engineering Statement
In Support of an
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WGZZ, Channel 262A, Waverly, Alabama**

Terrain/Contour Study

Reference Coordinates:

ERP: 3.4 kW

North Latitude: 32-43-13

West Longitude: 85-42-17

Azimuth °T.	Ave. Elev. 3 to 16 km (Meters AMSL)	FM - 2-6 Tables Effective Antenna Height (Meters AAT)	ERP (dBk)	F(50-50) Distance to 70 dBu Contour (km)	F(50-50) Distance to 60 dBu Contour (km)
0	198.4	126.6	5.315	15.7	27.6
5	194.9	130.1	5.315	15.9	27.9
10	196.1	128.9	5.315	15.9	27.8
15	196.0	129.0	5.315	15.9	27.8
20	196.7	128.3	5.315	15.8	27.7
25	205.5	119.5	5.315	15.2	27.0
30	210.5	114.5	5.315	14.9	26.5
35	209.1	115.9	5.315	15.0	26.6
40	208.2	116.8	5.315	15.1	26.7
45	206.0	119.0	5.315	15.2	26.9
50	206.0	119.0	5.315	15.2	26.9
55	209.1	115.9	5.315	15.0	26.6
60	207.4	117.6	5.315	15.1	26.8
65	206.9	118.1	5.315	15.1	26.8
70	207.3	117.7	5.315	15.1	26.8
75	210.5	114.5	5.315	14.9	26.5
80	216.7	108.3	5.315	14.5	25.9
85	217.9	107.1	5.315	14.4	25.7
90	211.5	113.5	5.315	14.8	26.4
95	210.1	114.9	5.315	14.9	26.5
100	209.4	115.6	5.315	15.0	26.6
105	210.7	114.3	5.315	14.9	26.5
110	211.1	113.9	5.315	14.9	26.4
115	210.8	114.2	5.315	14.9	26.5
120	206.1	118.9	5.315	15.2	26.9
125	205.7	119.3	5.315	15.2	27.0
130	204.9	120.1	5.315	15.3	27.0
135	204.1	120.9	5.315	15.3	27.1
140	211.4	113.6	5.315	14.8	26.4
145	207.6	117.4	5.315	15.1	26.8
150	201.3	123.7	5.315	15.5	27.3
155	198.7	126.3	5.315	15.7	27.6

Continued on next page

ERP: 3.4 kW

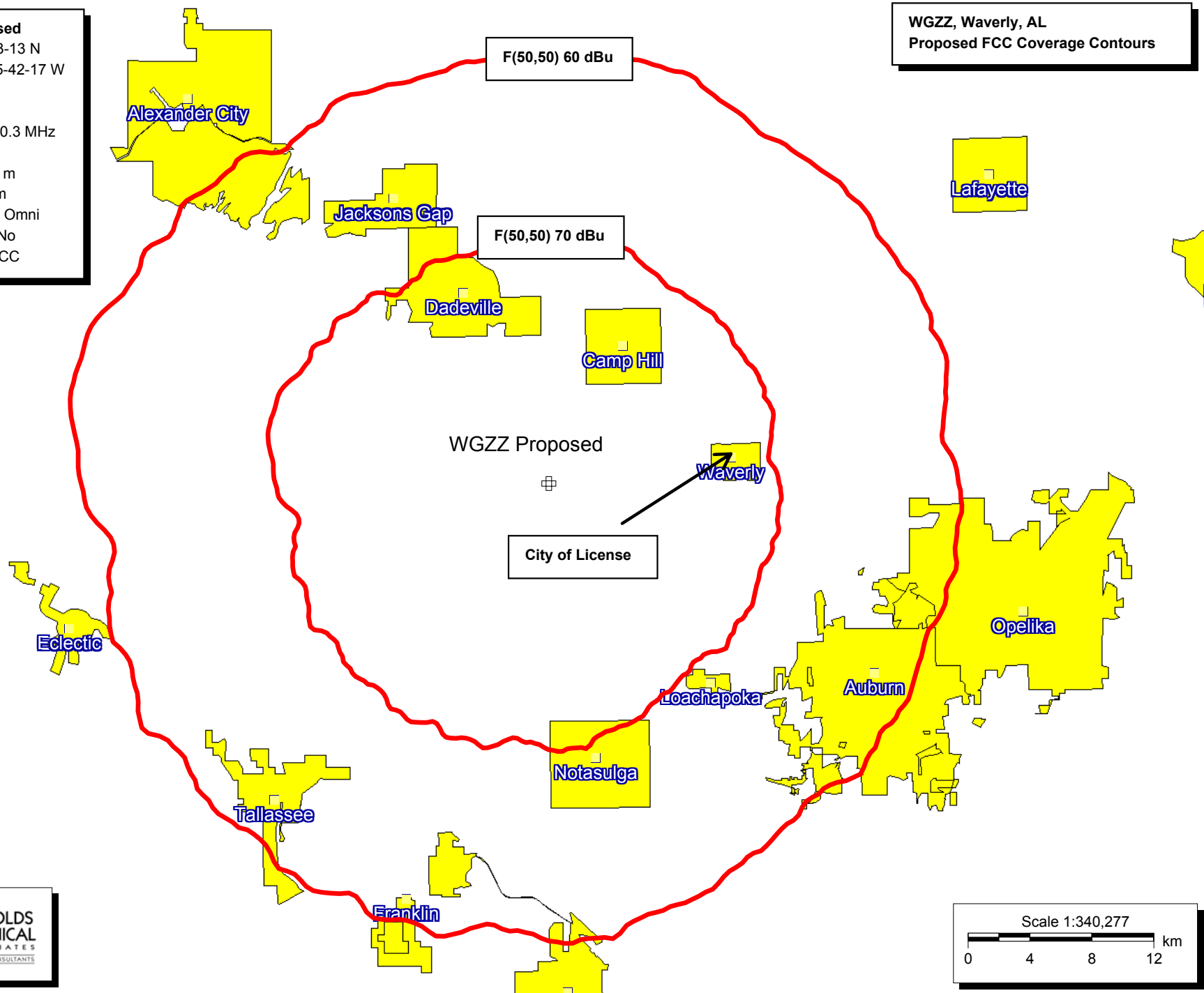
Azimuth °T.	Ave. Elev. 3 to 16 km (Meters AMSL)	FM - 2-6 Tables Effective Antenna Height (Meters AAT)	ERP (dBk)	F(50-50) Distance to 70 dBu Contour (km)	F(50-50) Distance to 60 dBu Contour (km)
160	190.5	134.5	5.315	16.3	28.3
165	188.4	136.6	5.315	16.4	28.5
170	183.7	141.3	5.315	16.7	28.9
175	177.9	147.1	5.315	17.1	29.5
180	177.4	147.6	5.315	17.2	29.5
185	183.2	141.8	5.315	16.8	29.0
190	181.4	143.6	5.315	16.9	29.1
195	173.1	151.9	5.315	17.4	29.9
200	172.6	152.4	5.315	17.5	29.9
205	178.7	146.3	5.315	17.1	29.4
210	168.5	156.5	5.315	17.7	30.3
215	168.6	156.4	5.315	17.7	30.3
220	177.0	148.0	5.315	17.2	29.5
225	170.7	154.3	5.315	17.6	30.1
230	174.8	150.2	5.315	17.3	29.7
235	176.9	148.1	5.315	17.2	29.5
240	167.4	157.6	5.315	17.8	30.4
245	176.6	148.4	5.315	17.2	29.6
250	173.4	151.6	5.315	17.4	29.9
255	179.2	145.8	5.315	17.0	29.3
260	188.0	137.0	5.315	16.4	28.5
265	180.5	144.5	5.315	17.0	29.2
270	170.5	154.5	5.315	17.6	30.1
275	166.3	158.7	5.315	17.9	30.5
280	158.1	166.9	5.315	18.4	31.3
285	159.4	165.6	5.315	18.3	31.2
290	161.2	163.8	5.315	18.2	31.0
295	172.5	152.5	5.315	17.5	29.9
300	171.6	153.4	5.315	17.5	30.0
305	178.9	146.1	5.315	17.1	29.4
310	181.0	144.0	5.315	16.9	29.2
315	185.4	139.6	5.315	16.6	28.8
320	196.2	128.8	5.315	15.9	27.8
325	198.4	126.6	5.315	15.7	27.6
330	192.5	132.5	5.315	16.1	28.1
335	196.1	128.9	5.315	15.9	27.8
340	200.0	125.0	5.315	15.6	27.5
345	200.4	124.6	5.315	15.6	27.4
350	198.7	126.3	5.315	15.7	27.6
355	198.4	126.6	5.315	15.7	27.6

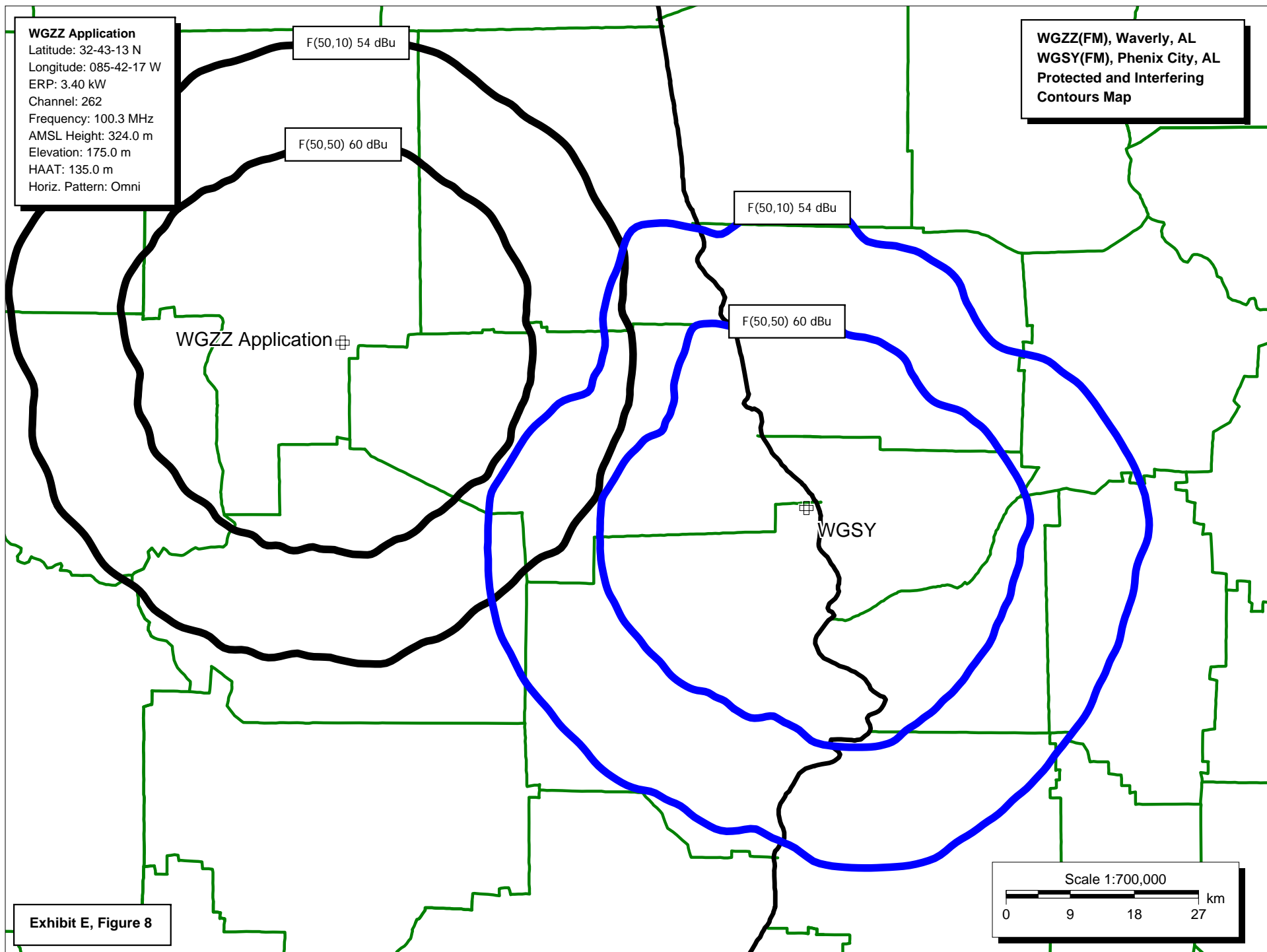
WGZZ Proposed

Latitude: 32-43-13 N
Longitude: 085-42-17 W
ERP: 3.40 kW
Channel: 262
Frequency: 100.3 MHz
AGL: 149 m
Elevation: 175 m
HAAT: 135.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC

WGZZ, Waverly, AL

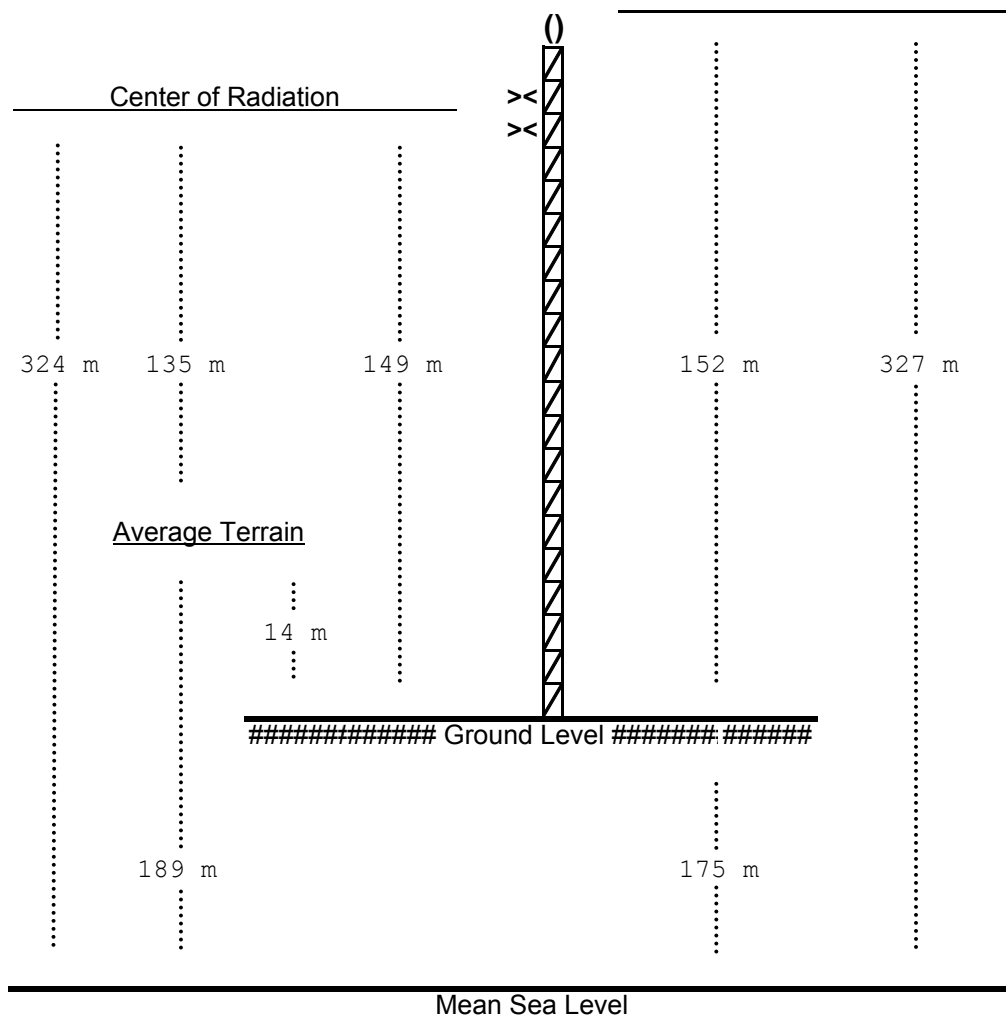
Proposed FCC Coverage Contours





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Vertical Sketch



Proposed Location: 32° 43' 13" N. Lat. 85° 42' 17" W. Long. [NAD27]

NOT DRAWN TO SCALE

Proposed Antenna: 2 elements