

Exhibit 13 Page 1

Carolina Christian Radio, Inc.

Identification of Facilities

Wilmington, NC

CALL FORMAT LATITUDE	ST	CITY ARN LONGITUDE	FREQ OWNER HAAT:m AMSL:m	CHN	CL	ERP	STAT
Proposed			104.90000		D	250.00	APP
Unknown or New CP							
34-13-52.0	N	77-57-18.0 W	47.825 52.000				
WYHW	NC	CAROLINA BEACH	104.50000		C3	17000.00	LIC
Unknown or New CP		bled-20160727ABE	BIBLE BROADCASTING NETWORK, INC.				
34-05-51.7	N	77-58-18.2 W	122.812 127.000				
WXQR-FM	NC	JACKSONVILLE	105.50000		C2	19000.00	LIC
Unknown or New CP		BLH-19950612KC	ALPHA MEDIA LICENSEE LLC				
34-31-10.0	N	77-26-52.0 W	241.450 247.000				
W231CL	NC	WILMINGTON	94.10000		D	150.00	LIC
Unknown or New CP		BLFT-20170605ABW	EDGEWATER BROADCASTING, INC.				
34-17-08.0	N	77-58-32.0 W	130.058 135.000				
WYNA	NC	CALABASH	104.90000		C3	25000.00	CP
Unknown or New CP		BPH-20150313AAT	AMFM RADIO LICENSES, LLC				
33-49-19.4	N	78-46-17.9 W	99.751 106.000				
WYNA	NC	CALABASH	104.90000		C3	15000.00	LIC
Unknown or New CP		BLH-20050510ACU	AMFM RADIO LICENSES, LLC				
33-49-19.0	N	78-46-18.0 W	102.230 107.000				
WGHJ	NC	FAIR BLUFF	105.30000		C3	11000.00	LIC
Unknown or New CP		BMLD-20150928AFK	AUGUSTA RADIO FELLOWSHIP INSTITUTE				
34-17-01.0	N	78-48-09.0 W	150.803 177.000				
WLVG	NC	HAVELOCK	105.10000		C3	18500.00	LIC
Unknown or New CP		BMLD-20100426ADM	EDUCATIONAL MEDIA FOUNDATION				
34-45-07.0	N	76-52-57.0 W	115.801 120.000				
WZUP	NC	LA GRANGE	104.70000		C2	29000.00	LIC
Unknown or New CP		BLH-20140225ABU	CONNER MEDIA CORPORATION				
35-15-31.0	N	77-36-33.0 W	70.613 97.000				
WDCG	NC	DURHAM	105.10000		C1	73000.00	LIC
Unknown or New CP		BLH-20080310ADT	CAPSTAR TX, LLC				
35-42-50.0	N	78-49-04.0 W	324.518 443.000				
WFXK	NC	BUNN	104.30000		C1	100000.00	LIC
Unknown or New CP		BLH-20120508AAW	RADIO ONE LICENSES, LLC				
36-02-20.0	N	78-03-45.0 W	285.610 375.000				

Exhibit 13 Page 2
Carolina Christian Radio, Inc.
Identification of Facilities
Wilmington, NC

WCCG NC HOPE MILLS 104.50000 A 6000.00 LIC
Unknown or New CP BLH-19970421KB DR. JAMES E. CARSON
34-56-34.0 N 78-51-41.0 W 79.293 122.000

WFMZ NC HERTFORD 104.90000 C2 50000.00 LIC
Unknown or New CP BLH-19970819KD HENGGOCH LICENSE, LLC
36-05-59.0 N 76-28-31.0 W 149.628 150.000

Exhibit 13 Page 3
Carolina Christian Radio, Inc.
Interference Area
Wilmington, NC

The proposed translator will broadcast on 285, which is within the 60 dBu contour of second adjacent station WYHW on channel 283, Fac ID 74159. WYHW's interfering contour at the translator site is 77.7 dBu F(50,50). Using the ratio of 100:1 (translator to WYHW) on the second adjacent channels, the population within the proposed translator 117.7 dBu contour is 0 (zero). Applying the antenna manufacturer's vertical radiation pattern the area of interference is able to be more accurately calculated geometrically than just by using the free space equation alone. This particular antenna is a one bay Nicom BKG77. It was determined from the manufacturer's vertical plan that from 20 to 60 degrees below horizontal the interference area would reach the ground and extend 125 meters horizontally. We have proposed the antenna radiation center will be 44 meters above ground with an Effective Radiated Power of 250 watts. There are no occupied structures or elevated roadways within the interference area of the translator.

Therefore, the application is in compliance with the following: §74.1204 (d) "The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable."

Allocation Study

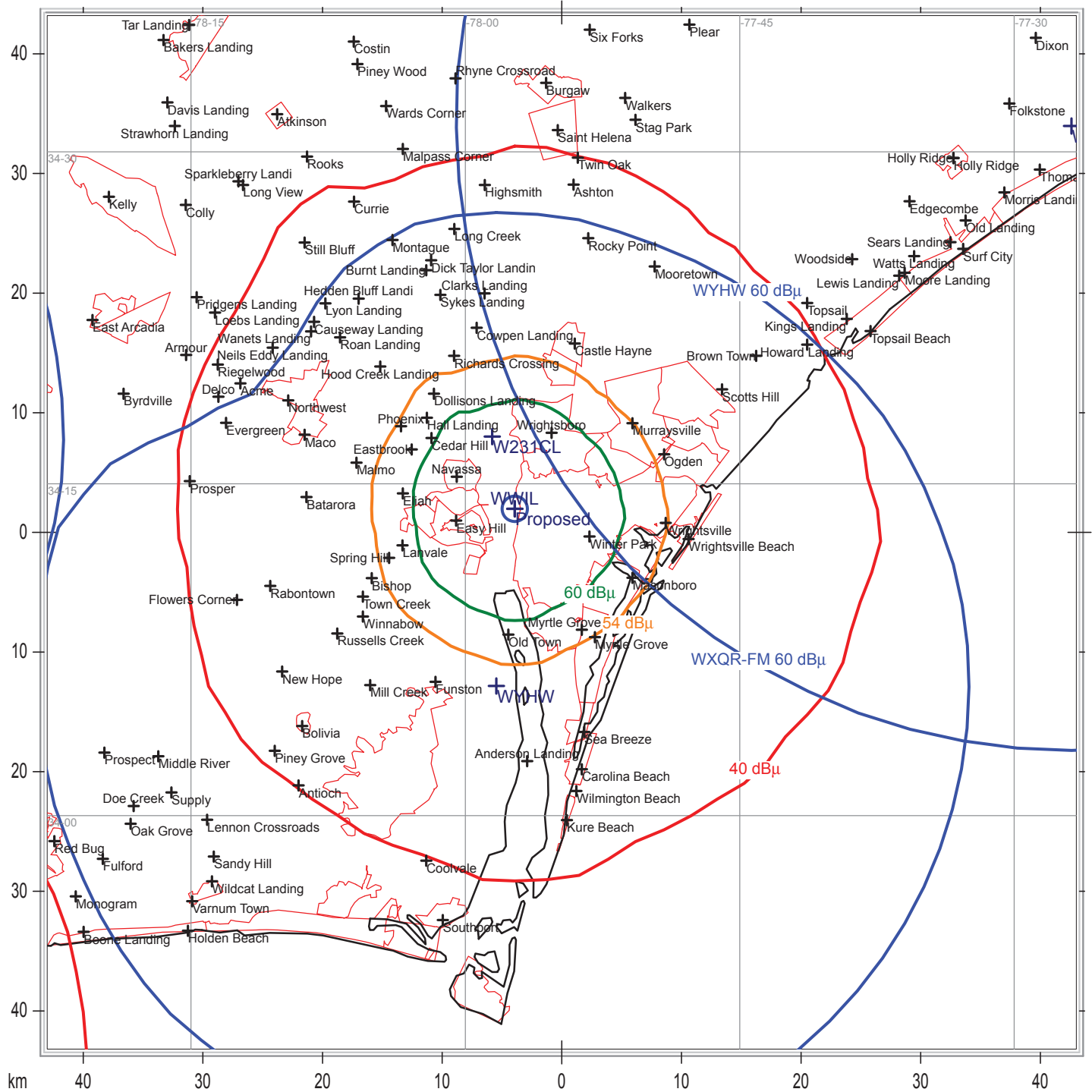


Exhibit 13 Figure 1
Carolina Christian Radio, Inc.
Allocation Study
Wilmington, NC

State Borders City Borders Lat/Lon Grid

Exhibit 13 Figure 2

Minimum Ground Clearance

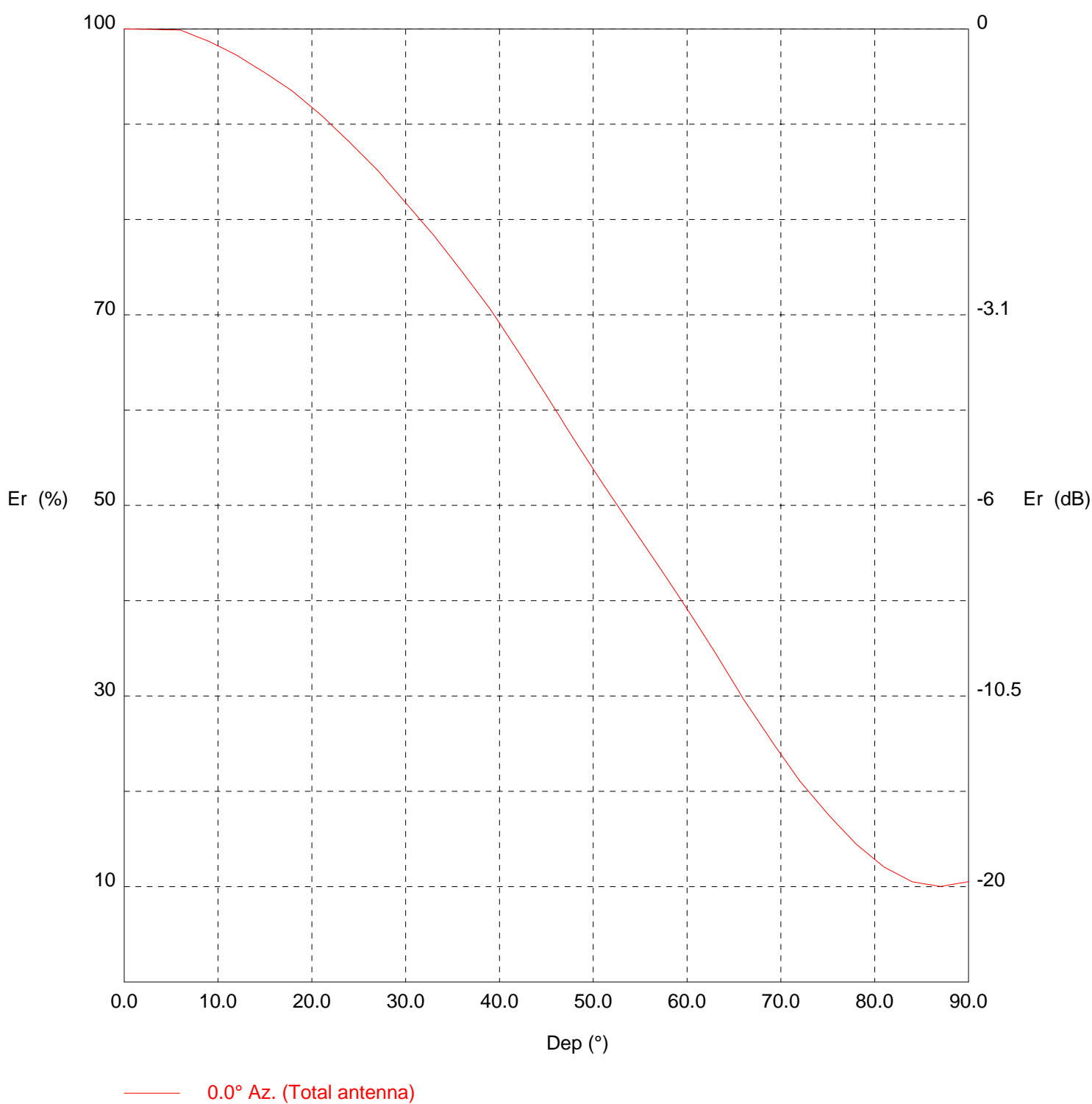
Depression Angle Below Horizontal	Antenna Relative Field	ERP (Watts)	Distance to interfering Contour from Antenna (m)	Horizontal Distance of Interfering contour from tower (m)	Vertical Clearance of Interfering contour above TGL (m)
5	0.999	249.5	144	143.5	31.4
10	0.982	241.1	142	139.8	19.3
15	0.954	227.5	138	133.3	8.3
20	0.918	210.7	133	125.0	-1.5
25	0.872	190.1	126	114.5	-9.2
30	0.818	167.3	118	102.2	-15.0
35	0.758	143.6	110	90.1	-19.1
40	0.691	119.4	100	76.6	-20.3
45	0.616	94.9	89	62.9	-18.9
50	0.538	72.4	78	50.1	-15.8
55	0.465	54.1	67	38.4	-10.9
60	0.391	38.2	56	28.0	-4.5
65	0.313	24.5	45	19.0	3.2
70	0.239	14.3	35	12.0	11.1
75	0.176	7.7	25	6.5	19.9
80	0.129	4.2	19	3.3	25.3
85	0.103	2.7	15	1.3	29.1
90	0.104	2.7	15	0.0	29.0
Minimum Clearance above TGL:					-20.3

TX station:

Site name: 1 BAY ANTENNA

Frequency: 100.00 MHz

Vertical diagram



TX station:

Site name: 1 BAY ANTENNA

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	30.0	81.8	249.8	60.0	39.1	57.2
0.5	100.0	373.6	30.5	81.2	246.3	60.5	38.4	55.0
1.0	100.0	373.5	31.0	80.6	242.9	61.0	37.6	52.8
1.5	100.0	373.4	31.5	80.1	239.5	61.5	36.8	50.7
2.0	100.0	373.4	32.0	79.5	236.1	62.0	36.1	48.6
2.5	100.0	373.3	32.5	78.9	232.7	62.5	35.3	46.6
3.0	99.9	373.3	33.0	78.3	229.3	63.0	34.5	44.6
3.5	99.9	373.2	33.5	77.7	225.6	63.5	33.7	42.5
4.0	99.9	373.1	34.0	77.1	222.0	64.0	32.9	40.5
4.5	99.9	373.0	34.5	76.4	218.3	64.5	32.1	38.6
5.0	99.9	372.9	35.0	75.8	214.7	65.0	31.3	36.6
5.5	99.9	372.8	35.5	75.2	211.1	65.5	30.5	34.8
6.0	99.9	372.8	36.0	74.5	207.6	66.0	29.7	33.0
6.5	99.7	371.3	36.5	73.9	204.0	66.5	29.0	31.4
7.0	99.5	369.9	37.0	73.2	200.4	67.0	28.2	29.8
7.5	99.3	368.4	37.5	72.6	196.8	67.5	27.5	28.3
8.0	99.1	367.0	38.0	71.9	193.3	68.0	26.8	26.8
8.5	98.9	365.5	38.5	71.3	189.8	68.5	26.0	25.3
9.0	98.7	364.1	39.0	70.6	186.3	69.0	25.3	23.9
9.5	98.5	362.3	39.5	69.9	182.4	69.5	24.6	22.6
10.0	98.2	360.5	40.0	69.1	178.6	70.0	23.9	21.3
10.5	98.0	358.7	40.5	68.4	174.7	70.5	23.2	20.1
11.0	97.7	356.9	41.0	67.6	170.9	71.0	22.5	18.9
11.5	97.5	355.1	41.5	66.9	167.2	71.5	21.8	17.7
12.0	97.2	353.3	42.0	66.1	163.5	72.0	21.1	16.6
12.5	96.9	351.1	42.5	65.4	159.7	72.5	20.5	15.7
13.0	96.6	348.9	43.0	64.6	156.0	73.0	19.9	14.8
13.5	96.3	346.7	43.5	63.9	152.3	73.5	19.3	14.0
14.0	96.0	344.5	44.0	63.1	148.7	74.0	18.8	13.2
14.5	95.7	342.3	44.5	62.3	145.1	74.5	18.2	12.4
15.0	95.4	340.1	45.0	61.6	141.6	75.0	17.6	11.6
15.5	95.1	337.8	45.5	60.8	138.0	75.5	17.1	10.9
16.0	94.7	335.4	46.0	60.0	134.4	76.0	16.6	10.2
16.5	94.4	333.1	46.5	59.2	130.9	76.5	16.0	9.6
17.0	94.1	330.8	47.0	58.4	127.5	77.0	15.5	9.0
17.5	93.8	328.4	47.5	57.6	124.1	77.5	15.0	8.4
18.0	93.4	326.1	48.0	56.8	120.7	78.0	14.5	7.8
18.5	93.0	323.3	48.5	56.1	117.5	78.5	14.1	7.4
19.0	92.6	320.4	49.0	55.3	114.4	79.0	13.7	7.0
19.5	92.2	317.5	49.5	54.6	111.3	79.5	13.3	6.6
20.0	91.8	314.7	50.0	53.8	108.2	80.0	12.9	6.2
20.5	91.4	311.9	50.5	53.1	105.2	80.5	12.5	5.8
21.0	91.0	309.1	51.0	52.3	102.2	81.0	12.0	5.4
21.5	90.5	305.9	51.5	51.6	99.4	81.5	11.8	5.2
22.0	90.0	302.7	52.0	50.8	96.6	82.0	11.5	5.0
22.5	89.5	299.6	52.5	50.1	93.8	82.5	11.3	4.8
23.0	89.1	296.5	53.0	49.4	91.1	83.0	11.0	4.5
23.5	88.6	293.4	53.5	48.6	88.4	83.5	10.8	4.3
24.0	88.1	290.3	54.0	47.9	85.8	84.0	10.5	4.1
24.5	87.6	287.0	54.5	47.2	83.2	84.5	10.4	4.1
25.0	87.2	283.8	55.0	46.5	80.7	85.0	10.3	4.0
25.5	86.7	280.6	55.5	45.7	78.2	85.5	10.3	3.9
26.0	86.2	277.4	56.0	45.0	75.7	86.0	10.2	3.9
26.5	85.7	274.2	56.5	44.3	73.3	86.5	10.1	3.8
27.0	85.2	271.1	57.0	43.6	71.0	87.0	10.0	3.7
27.5	84.6	267.5	57.5	42.8	68.6	87.5	10.1	3.8
28.0	84.0	263.9	58.0	42.1	66.2	88.0	10.2	3.9
28.5	83.5	260.3	58.5	41.4	63.9	88.5	10.3	3.9
29.0	82.9	256.8	59.0	40.6	61.6	89.0	10.4	4.0
29.5	82.3	253.3	59.5	39.9	59.4	89.5	10.4	4.1

Exhibit 13 Figure 4
Aerial Photo of the 125 meter Vicinity Surrounding the Proposed Tower Site

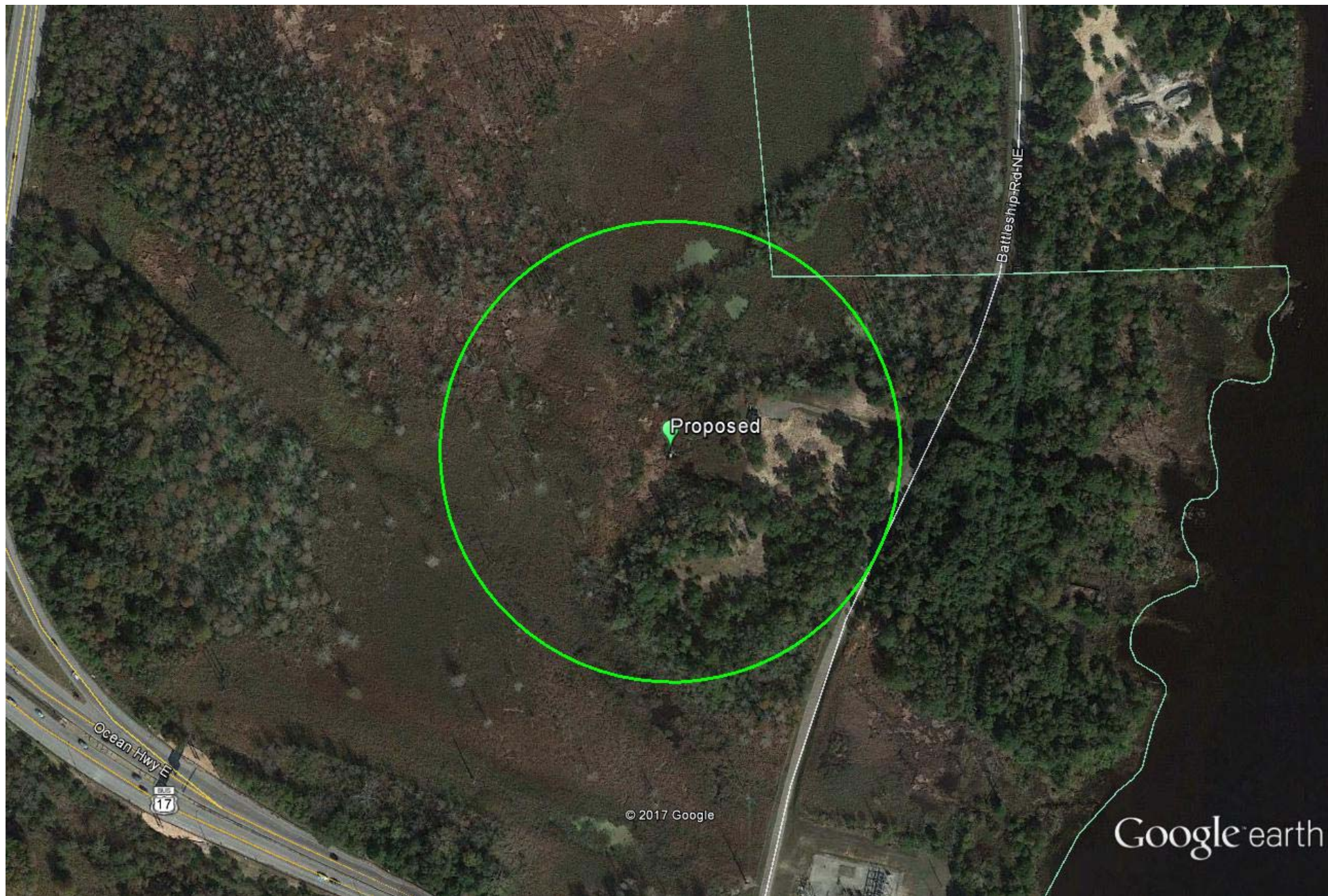


Exhibit 13 Figure 5
Quadrangle Map of the 125 meter Vicinity Surrounding the Proposed Tower Site

