

# GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

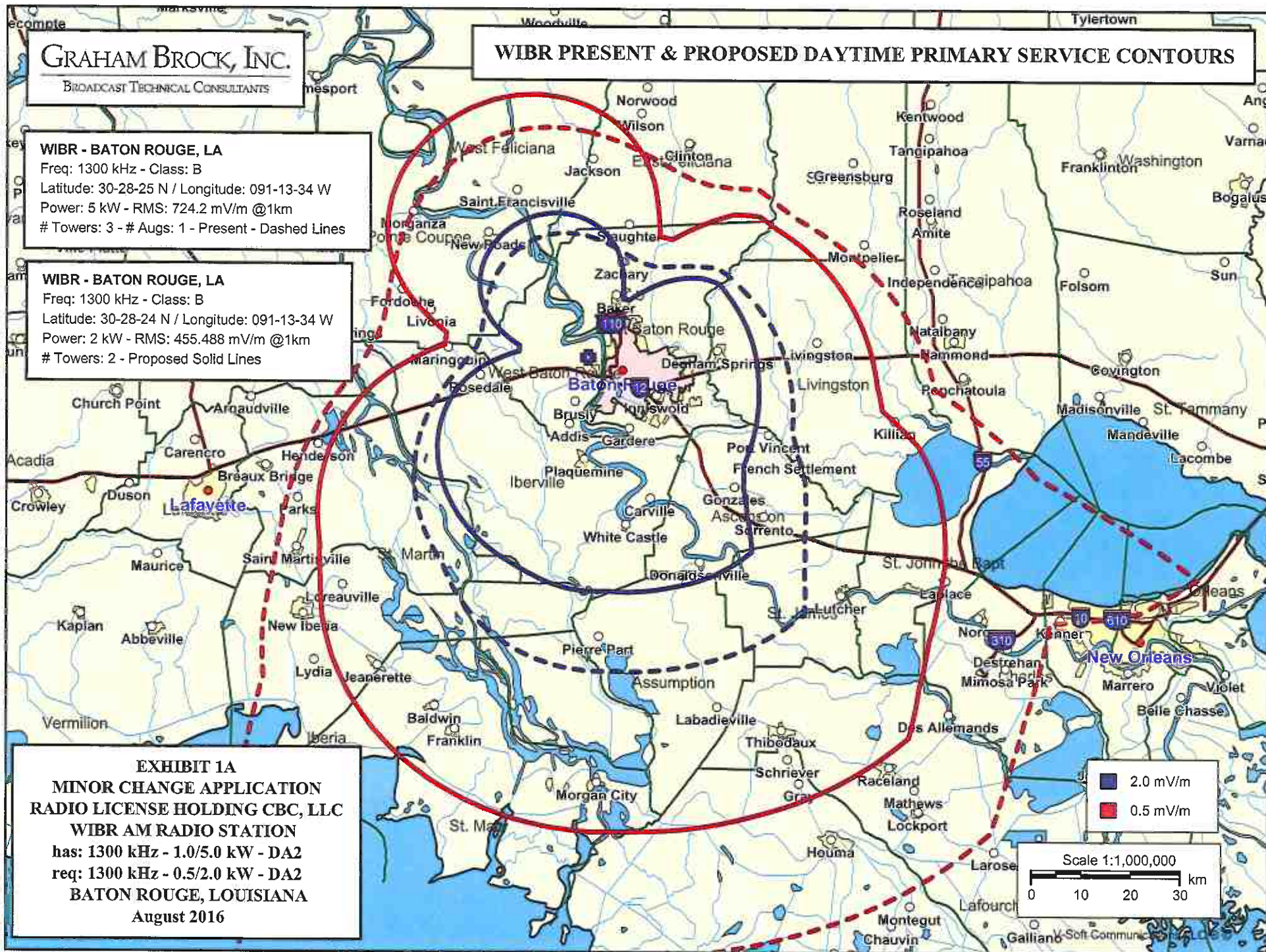
## WIBR - BATON ROUGE, LA

Freq: 1300 kHz - Class: B  
Latitude: 30-28-25 N / Longitude: 091-13-34 W  
Power: 5 kW - RMS: 724.2 mV/m @1km  
# Towers: 3 - # Augs: 1 - Present - Dashed Lines

## WIBR - BATON ROUGE, LA

Freq: 1300 kHz - Class: B  
Latitude: 30-28-24 N / Longitude: 091-13-34 W  
Power: 2 kW - RMS: 455.488 mV/m @1km  
# Towers: 2 - Proposed Solid Lines

## WIBR PRESENT & PROPOSED DAYTIME PRIMARY SERVICE CONTOURS



# GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

## WIBR PRESENT & PROPOSED DAYTIME CITY GRADE SERVICE CONTOURS

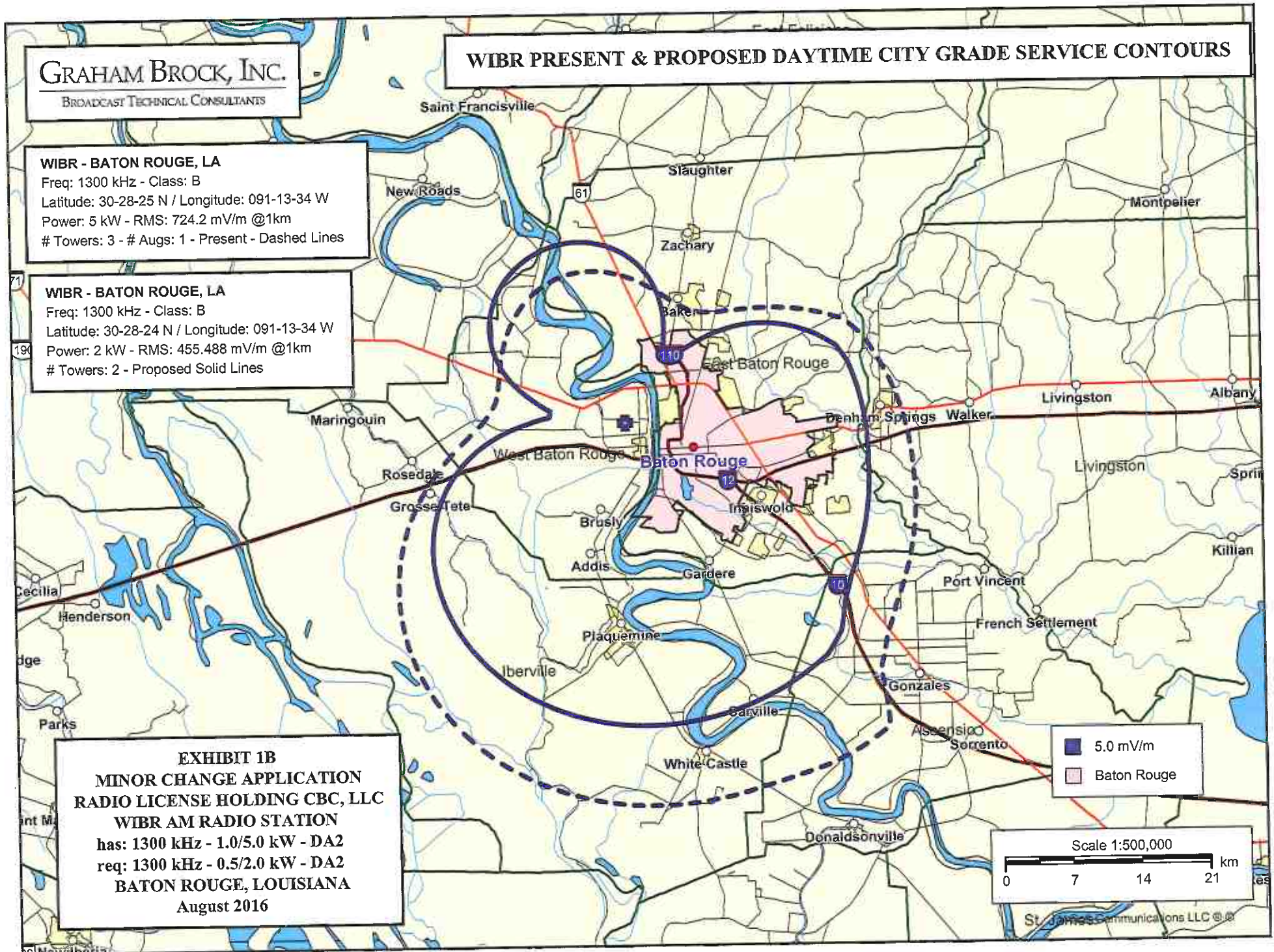
### WIBR - BATON ROUGE, LA

Freq: 1300 kHz - Class: B  
Latitude: 30-28-25 N / Longitude: 091-13-34 W  
Power: 5 kW - RMS: 724.2 mV/m @1km  
# Towers: 3 - # Augs: 1 - Present - Dashed Lines

### WIBR - BATON ROUGE, LA

Freq: 1300 kHz - Class: B  
Latitude: 30-28-24 N / Longitude: 091-13-34 W  
Power: 2 kW - RMS: 455.488 mV/m @1km  
# Towers: 2 - Proposed Solid Lines

**EXHIBIT 1B**  
**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
has: 1300 kHz - 1.0/5.0 kW - DA2  
req: 1300 kHz - 0.5/2.0 kW - DA2  
**BATON ROUGE, LOUISIANA**  
August 2016



# GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

## WIBR - BATON ROUGE, LA

Freq: 1300 kHz - Class: B

Latitude: 30-28-25 N / Longitude: 091-13-34 W

Power: 5 kW - RMS: 724.2 mV/m @1km

# Towers: 3 - # Apts: 1 - Present - Dashed Lines

## WIBR - BATON ROUGE, LA

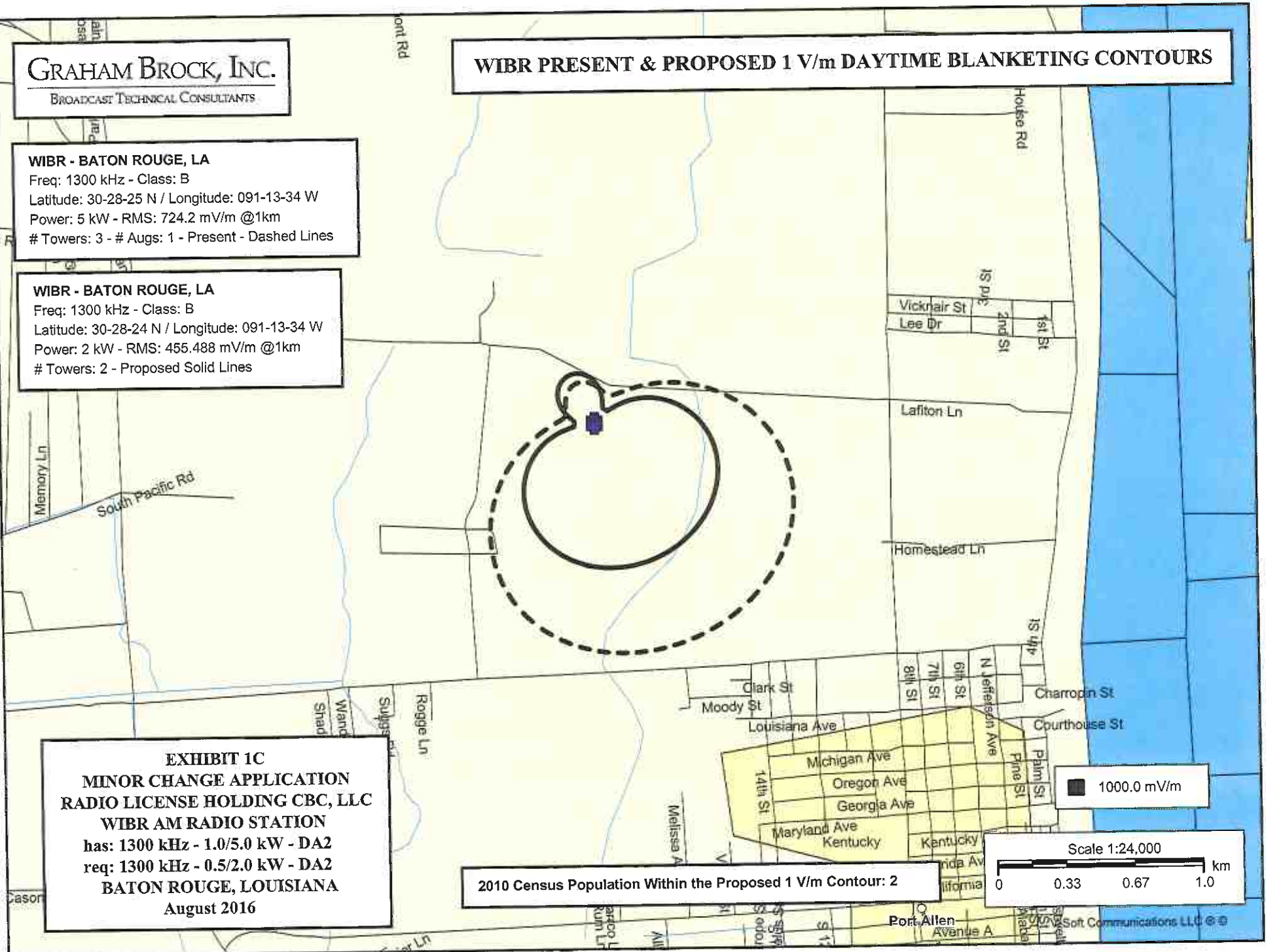
Freq: 1300 kHz - Class: B

Latitude: 30-28-24 N / Longitude: 091-13-34 W

Power: 2 kW - RMS: 455.488 mV/m @1km

# Towers: 2 - Proposed Solid Lines

## WIBR PRESENT & PROPOSED 1 V/m DAYTIME BLANKETING CONTOURS



# GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

## WIBR - BATON ROUGE, LA

Freq: 1300 kHz - Class: B

Latitude: 30-28-25 N / Longitude: 091-13-34 W

Power: 1 kW - RMS: 295.31 mV/m @1km

# Towers: 3 - # Augs: 16 - Present - Dashed Lines

## WIBR - BATON ROUGE, LA

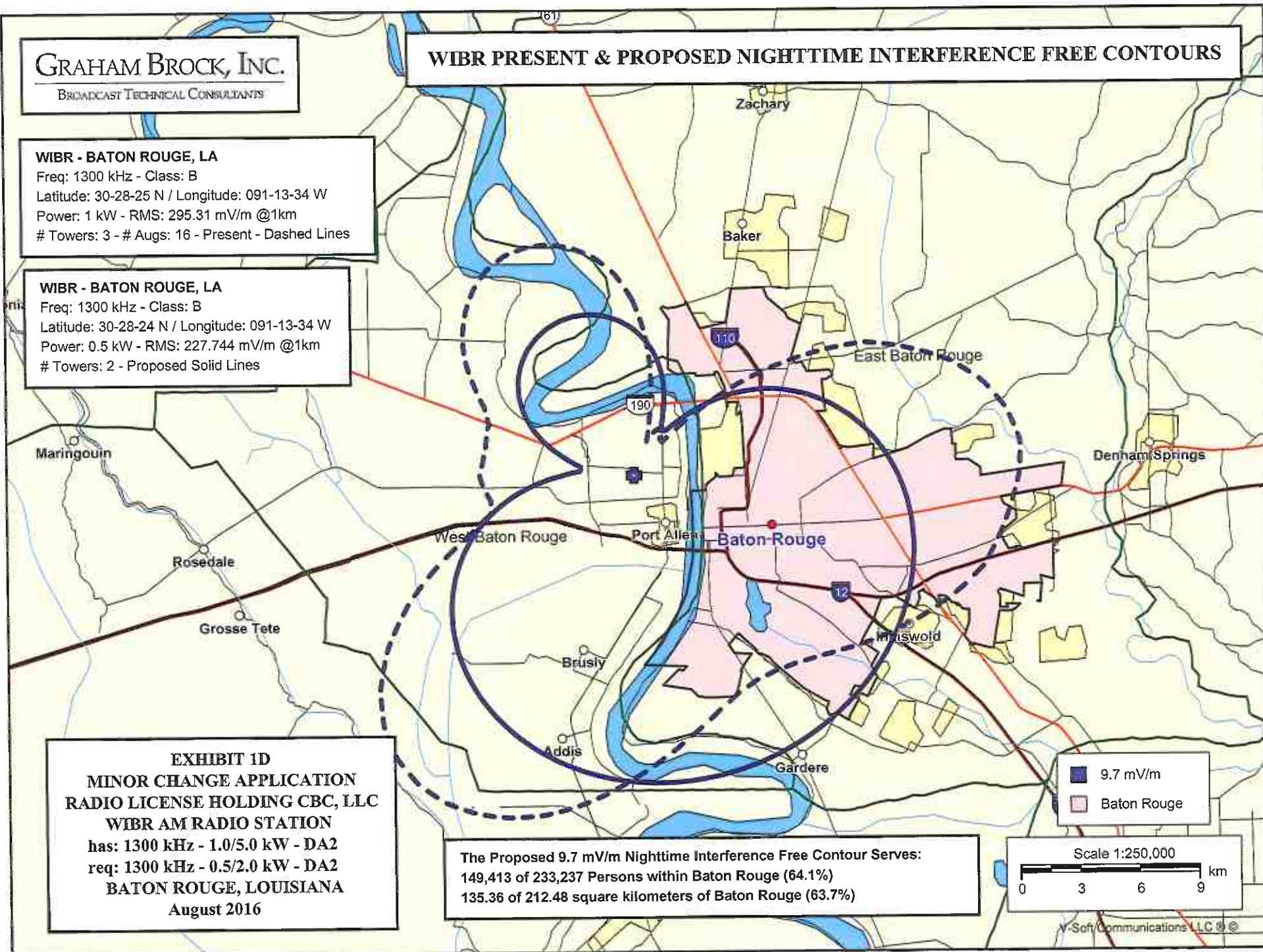
Freq: 1300 kHz - Class: B

Latitude: 30-28-24 N / Longitude: 091-13-34 W

Power: 0.5 kW - RMS: 227.744 mV/m @1km

# Towers: 2 - Proposed Solid Lines

## WIBR PRESENT & PROPOSED NIGHTTIME INTERFERENCE FREE CONTOURS



# GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

## WIBR - BATON ROUGE, LA

Freq: 1300 kHz - Class: B

Latitude: 30-28-25 N / Longitude: 091-13-34 W

Power: 1 kW - RMS: 295.31 mV/m @1km

# Towers: 3 - # Augs: 16 - Present - Dashed Lines

## WIBR - BATON ROUGE, LA

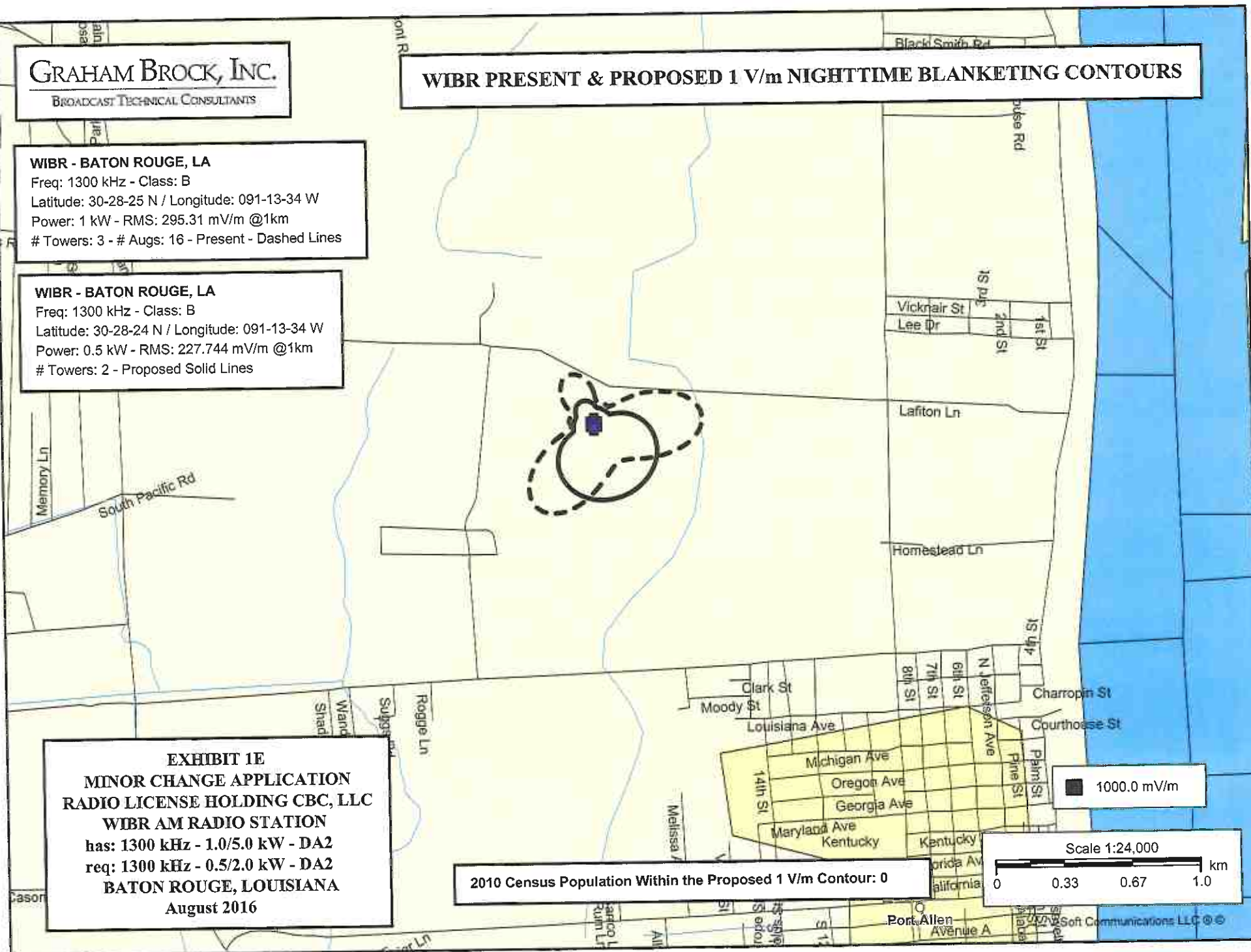
Freq: 1300 kHz - Class: B

Latitude: 30-28-24 N / Longitude: 091-13-34 W

Power: 0.5 kW - RMS: 227.744 mV/m @1km

# Towers: 2 - Proposed Solid Lines

## WIBR PRESENT & PROPOSED 1 V/m NIGHTTIME BLANKETING CONTOURS



**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1F**

**Proposed Daytime Service Contours**

North Latitude: 30° 28' 24"  
West Longitude: 91° 13' 34"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :			
		Contour levels in mV/m.			
		1000.000	5.000	2.000	.500
0.0	234.28	0.23	17.48	27.84	51.06
5.0	210.34	0.20	16.46	26.45	48.82
10.0	182.58	0.18	15.19	24.70	46.01
15.0	151.53	0.15	13.62	22.51	42.52
20.0	118.24	0.12	11.70	19.81	38.22
25.0	85.39	0.10	9.48	16.60	33.11
30.0	61.52	0.10	7.56	13.74	28.49
35.0	65.46	0.10	7.90	14.25	29.33
40.0	97.44	0.10	10.34	17.86	35.11
45.0	141.20	0.14	13.05	21.72	41.26
50.0	189.49	0.18	15.52	25.15	44.82
55.0	239.65	0.23	17.70	28.14	45.90
60.0	290.27	0.28	19.62	30.17	47.66
65.0	340.38	0.33	21.32	30.70	49.42
70.0	389.20	0.37	22.82	31.29	51.14
75.0	436.05	0.42	23.44	31.90	52.76
80.0	480.38	0.46	23.72	32.51	54.28
85.0	521.75	0.49	24.02	33.09	55.67
90.0	559.81	0.53	24.31	33.65	56.94
95.0	594.34	0.56	24.61	34.16	58.09
100.0	625.22	0.59	24.97	34.73	59.86
105.0	652.44	0.61	25.48	35.41	68.61
110.0	676.08	0.63	25.99	36.06	74.44
115.0	696.28	0.65	26.51	36.70	78.88
120.0	713.25	0.67	27.06	37.36	82.77
125.0	727.23	0.68	27.67	38.04	85.88
130.0	738.48	0.69	28.70	40.68	89.39
135.0	747.25	0.70	30.49	45.25	94.14
140.0	753.77	0.70	31.29	51.25	100.28
145.0	758.25	0.71	31.38	51.16	100.29
150.0	760.84	0.71	31.43	50.86	100.05
155.0	761.62	0.71	31.44	50.33	99.53
160.0	760.63	0.71	31.42	49.56	98.74
165.0	757.82	0.70	31.37	48.96	98.08
170.0	753.10	0.70	31.28	48.32	97.34
175.0	746.32	0.69	31.15	47.60	96.48

Ground Conductivity : FCC M-3

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1F (continued)**

**Proposed Daytime Service Contours**

North Latitude: 30° 28' 24"  
West Longitude: 91° 13' 34"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :			
		Contour levels in mV/m.			
		1000.000	5.000	2.000	.500
180.0	737.26	0.69	30.98	47.42	96.11
185.0	725.70	0.68	30.75	47.00	95.43
190.0	711.38	0.66	30.47	46.30	94.43
195.0	694.03	0.65	30.13	45.31	93.08
200.0	673.43	0.63	29.72	44.46	91.34
205.0	649.37	0.61	29.22	43.78	89.18
210.0	621.71	0.58	28.63	42.98	86.53
215.0	590.39	0.56	27.95	42.05	83.36
220.0	555.42	0.52	27.15	40.96	79.61
225.0	516.95	0.49	26.23	39.72	75.19
230.0	475.21	0.45	25.19	38.30	70.00
235.0	430.55	0.41	24.00	36.69	65.66
240.0	383.43	0.37	22.65	34.86	62.60
245.0	334.43	0.32	21.13	32.79	59.17
250.0	284.21	0.27	19.40	30.46	55.32
255.0	233.58	0.23	17.45	27.80	51.00
260.0	183.56	0.18	15.24	24.76	46.11
265.0	135.64	0.13	12.73	21.28	40.55
270.0	92.75	0.10	10.01	17.38	34.36
275.0	63.15	0.10	7.70	13.95	28.84
280.0	63.32	0.10	7.72	13.97	28.88
285.0	89.12	0.10	9.75	17.00	33.75
290.0	122.29	0.12	11.95	20.16	38.78
295.0	155.40	0.15	13.82	22.80	42.98
300.0	186.10	0.18	15.36	24.93	46.38
305.0	213.42	0.21	16.60	26.63	49.12
310.0	236.89	0.23	17.59	27.99	51.30
315.0	256.25	0.25	18.35	29.03	53.00
320.0	271.35	0.26	18.93	29.82	54.27
325.0	282.10	0.27	19.33	30.35	55.15
330.0	288.46	0.28	19.56	30.67	55.66
335.0	290.41	0.28	19.63	30.76	55.82
340.0	287.93	0.28	19.54	30.64	55.62
345.0	281.04	0.27	19.29	30.30	55.07
350.0	269.76	0.26	18.87	29.74	54.14
355.0	254.15	0.25	18.27	28.92	52.82

Ground Conductivity : FCC M-3

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1G**

**Present Daytime Service Contours**

North Latitude: 30° 28' 25"  
West Longitude: 91° 13' 34"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :			
		Contour levels in mV/m.			
		1000.000	5.000	2.000	.500
0.0	180.93	0.18	15.11	24.59	45.83
5.0	172.18	0.17	14.68	24.00	44.88
10.0	163.59	0.16	14.25	23.40	43.92
15.0	155.70	0.15	13.84	22.82	43.01
20.0	149.14	0.15	13.49	22.34	42.23
25.0	145.07	0.14	13.27	22.02	41.74
30.0	145.57	0.14	13.29	22.06	41.80
35.0	153.79	0.15	13.74	22.68	42.79
40.0	173.09	0.17	14.73	24.06	44.98
45.0	205.52	0.20	16.25	26.16	48.35
50.0	251.24	0.24	18.16	28.77	49.00
55.0	309.02	0.30	20.28	31.65	50.06
60.0	376.96	0.36	22.46	32.75	52.32
65.0	452.85	0.43	24.60	33.71	54.92
70.0	534.07	0.50	25.68	34.84	57.65
75.0	618.24	0.58	26.33	36.04	60.38
80.0	703.02	0.66	27.00	37.24	63.01
85.0	786.17	0.73	27.68	38.40	65.49
90.0	865.68	0.80	28.34	39.50	67.76
95.0	939.87	0.86	28.95	40.51	69.82
100.0	1007.45	0.92	29.60	41.51	81.06
105.0	1067.59	0.97	30.35	42.56	93.28
110.0	1119.86	1.02	31.07	43.53	130.24
115.0	1164.25	1.06	31.76	46.39	122.03
120.0	1201.05	1.09	32.44	50.27	107.13
125.0	1230.81	1.11	33.14	53.35	110.65
130.0	1254.21	1.13	34.24	56.79	114.44
135.0	1272.01	1.15	36.09	61.48	119.39
140.0	1284.92	1.16	41.01	67.61	125.71
145.0	1293.60	1.16	40.92	67.58	125.81
150.0	1298.52	1.17	40.62	67.31	125.61
155.0	1299.99	1.17	40.09	66.79	125.11
160.0	1298.11	1.17	39.80	66.00	124.30
165.0	1292.76	1.16	39.73	65.37	123.59
170.0	1283.61	1.16	39.60	64.67	122.76
175.0	1270.14	1.14	39.43	63.86	121.74

GROUND CONDUCTIVITY : FCC M-3

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1G (continued)**

North Latitude: 30° 28' 25"  
West Longitude: 91° 13' 34"

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :			
		Contour levels in mV/m.			
		1000.000	5.000	2.000	.500
180.0	1251.72	1.13	39.18	63.54	130.33
185.0	1227.59	1.11	38.85	62.91	145.34
190.0	1197.02	1.08	38.42	61.95	150.81
195.0	1159.33	1.05	37.89	60.61	134.78
200.0	1114.01	1.01	37.24	58.86	149.35
205.0	1060.78	0.97	36.45	56.68	166.10
210.0	999.72	0.92	35.51	54.00	140.79
215.0	931.30	0.86	34.42	50.93	103.23
220.0	856.40	0.79	33.15	49.18	107.29
225.0	776.35	0.72	31.72	47.20	92.02
230.0	692.89	0.65	30.11	45.00	85.11
235.0	608.06	0.57	28.33	42.58	77.27
240.0	524.12	0.50	26.41	39.96	71.19
245.0	443.41	0.42	24.35	37.16	66.46
250.0	368.35	0.35	22.20	34.25	61.57
255.0	301.51	0.29	20.02	31.29	56.69
260.0	245.09	0.24	17.92	28.44	52.03
265.0	200.92	0.20	16.04	25.88	47.89
270.0	170.10	0.17	14.58	23.85	44.65
275.0	152.28	0.15	13.66	22.57	42.61
280.0	145.17	0.14	13.27	22.03	41.75
285.0	145.37	0.14	13.28	22.05	41.77
290.0	149.83	0.15	13.52	22.39	42.32
295.0	156.59	0.15	13.88	22.89	43.11
300.0	164.60	0.16	14.30	23.47	44.03
305.0	173.23	0.17	14.73	24.07	45.00
310.0	181.97	0.18	15.16	24.66	45.94
315.0	190.24	0.19	15.56	25.20	46.81
320.0	197.45	0.19	15.89	25.66	47.54
325.0	203.03	0.20	16.14	26.01	48.10
330.0	206.51	0.20	16.29	26.22	48.44
335.0	207.61	0.20	16.34	26.28	48.55
340.0	206.22	0.20	16.28	26.20	48.42
345.0	202.46	0.20	16.11	25.97	48.04
350.0	196.66	0.19	15.85	25.61	47.46
355.0	189.29	0.18	15.51	25.14	46.71

GROUND CONDUCTIVITY: FCC M-3

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1H**

**Proposed Nighttime Service Contours**

North Latitude: 30° 28' 24"  
West Longitude: 91° 13' 34"

Azimuth	Radiation (mV/m at one km)	Dist to Contours - km: Contour levels in mV/m.		Azimuth	Radiation (mV/m at one km)	Dist to Contours - km: Contour levels in mV/m.	
		1000.000	* 9.707			1000.000	* 9.707
0.0	117.38	0.12	7.47	180.0	368.71	0.35	15.54
5.0	105.43	0.10	6.92	185.0	362.93	0.35	15.40
10.0	91.59	0.10	6.24	190.0	355.77	0.34	15.22
15.0	76.13	0.10	5.43	195.0	347.10	0.33	15.01
20.0	59.58	0.10	4.49	200.0	336.80	0.32	14.75
25.0	43.33	0.10	3.47	205.0	324.77	0.31	14.44
30.0	31.64	0.10	2.66	210.0	310.94	0.30	14.07
35.0	33.56	0.10	2.80	215.0	295.29	0.28	13.65
40.0	49.28	0.10	3.85	220.0	277.81	0.27	13.16
45.0	70.99	0.10	5.15	225.0	258.58	0.25	12.59
50.0	95.04	0.10	6.41	230.0	237.72	0.23	11.96
55.0	120.05	0.12	7.59	235.0	215.40	0.21	11.24
60.0	145.32	0.14	8.67	240.0	191.86	0.19	10.43
65.0	170.35	0.17	9.65	245.0	167.38	0.16	9.54
70.0	194.74	0.19	10.53	250.0	142.30	0.14	8.55
75.0	218.15	0.21	11.33	255.0	117.03	0.11	7.46
80.0	240.31	0.23	12.04	260.0	92.08	0.10	6.26
85.0	260.98	0.25	12.67	265.0	68.22	0.10	4.99
90.0	280.00	0.27	13.22	270.0	46.96	0.10	3.70
95.0	297.26	0.29	13.70	275.0	32.44	0.10	2.72
100.0	312.70	0.30	14.12	280.0	32.52	0.10	2.72
105.0	326.31	0.31	14.48	285.0	45.18	0.10	3.59
110.0	338.12	0.32	14.78	290.0	61.59	0.10	4.61
115.0	348.22	0.33	15.03	295.0	78.06	0.10	5.53
120.0	356.70	0.34	15.25	300.0	93.34	0.10	6.33
125.0	363.69	0.35	15.42	305.0	106.97	0.10	6.99
130.0	369.31	0.35	15.56	310.0	118.68	0.12	7.53
135.0	373.70	0.36	15.66	315.0	128.34	0.13	7.96
140.0	376.96	0.36	15.74	320.0	135.88	0.13	8.28
145.0	379.20	0.36	15.79	325.0	141.25	0.14	8.50
150.0	380.49	0.36	15.82	330.0	144.42	0.14	8.63
155.0	380.88	0.36	15.83	335.0	145.39	0.14	8.67
160.0	380.39	0.36	15.82	340.0	144.16	0.14	8.62
165.0	378.98	0.36	15.78	345.0	140.72	0.14	8.48
170.0	376.62	0.36	15.73	350.0	135.09	0.13	8.25
175.0	373.23	0.36	15.65	355.0	127.29	0.12	7.91

\* - Nighttime Interference Free Contour

GROUND CONDUCTIVITY: FCC M-3

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #11**

**Present Nighttime Service Contours**

North Latitude: 30° 28' 25"  
West Longitude: 91° 13' 34"

Azimuth	Radiation (mV/m at one km)	Dist to Contours - km:		Azimuth	Radiation (mV/m at one km)	Dist to Contours - km:	
		1000.000	* 9.707			1000.000	* 9.707
0.0	150.41	0.15	8.88	180.0	359.17	0.34	15.31
5.0	108.94	0.11	7.08	185.0	395.44	0.38	16.17
10.0	69.20	0.10	5.04	190.0	434.22	0.41	17.04
15.0	36.96	0.10	3.03	195.0	471.29	0.45	17.83
20.0	20.49	0.10	1.82	200.0	502.55	0.48	18.45
25.0	28.78	0.10	2.45	205.0	525.63	0.50	18.91
30.0	33.80	0.10	2.81	210.0	537.84	0.51	19.14
35.0	25.93	0.10	2.24	215.0	535.29	0.51	19.09
40.0	25.40	0.10	2.20	220.0	514.87	0.49	18.70
45.0	64.37	0.10	4.77	225.0	476.27	0.45	17.93
50.0	123.54	0.12	7.75	230.0	421.31	0.40	16.76
55.0	195.48	0.19	10.56	235.0	354.03	0.34	15.18
60.0	284.85	0.27	13.36	240.0	280.54	0.27	13.23
65.0	352.30	0.34	15.14	245.0	208.84	0.20	11.02
70.0	425.24	0.41	16.84	250.0	148.92	0.15	8.82
75.0	485.68	0.46	18.12	255.0	117.04	0.11	7.46
80.0	529.03	0.50	18.97	260.0	113.60	0.11	7.30
85.0	552.99	0.52	19.43	265.0	119.37	0.12	7.56
90.0	557.48	0.53	19.31	270.0	123.63	0.12	7.75
95.0	544.99	0.51	18.94	275.0	120.87	0.12	7.63
100.0	519.42	0.49	18.54	280.0	119.49	0.12	7.57
105.0	484.78	0.46	18.10	285.0	121.02	0.12	7.63
110.0	445.24	0.42	17.28	290.0	123.34	0.12	7.74
115.0	404.72	0.39	16.38	295.0	135.05	0.13	8.24
120.0	366.53	0.35	15.49	300.0	159.60	0.16	9.24
125.0	331.58	0.32	14.61	305.0	188.26	0.18	10.30
130.0	299.65	0.29	13.77	310.0	212.77	0.21	11.15
135.0	273.27	0.26	13.03	315.0	233.73	0.23	11.83
140.0	254.91	0.25	12.49	320.0	251.36	0.24	12.38
145.0	244.44	0.24	12.16	325.0	263.26	0.25	12.73
150.0	240.95	0.23	12.06	330.0	267.63	0.26	12.86
155.0	245.29	0.24	12.19	335.0	264.37	0.26	12.77
160.0	257.84	0.25	12.57	340.0	254.23	0.25	12.46
165.0	276.51	0.27	13.12	345.0	237.73	0.23	11.96
170.0	299.58	0.29	13.76	350.0	215.75	0.21	11.25
175.0	327.01	0.31	14.50	355.0	187.02	0.18	10.26

\* - Nighttime Interference Free Contour  
GROUND CONDUCTIVITY - FCC M-3

**EXHIBIT #1J**  
**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

⊙ Tower #2 (WIBR)

● WIBR(AM)

○ WIBR Center of Array

⊙ Tower #1 (WIBR)



500 ft

DAYTIME 1000mV/m .....

NIGHTTIME 1000 mV/m —

**EXHIBIT #1K**  
**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
has: 1300 kHz - 1.0/5.0 kW - DA2  
req: 1300 kHz - 0.5/2.0 kW - DA2  
**BATON ROUGE, LOUISIANA**  
**August 2016**

0 0.67 1.33 2.0 km

0 0.5 1.0 1.5 mi



Extent of Ground System



Property Boundary



**EXHIBIT #1L**  
**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
has: 1300 kHz - 1.0/5.0 kW - DA2  
req: 1300 kHz - 0.5/2.0 kW - DA2  
**BATON ROUGE, LOUISIANA**  
**August 2016**

Google earth

© 2016 Google

300 ft



**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1M**

ID Stations Study at 30 28 24 N, 91 13 34 W, Search Distance = 16 km

Call	Service	City	State	Chan.	Power	Coordinates		Dist-km	Azimuth	File Number
AM										
WXOK	D	PORT ALLEN	LA	1460	0004.700kW	302825N	911334W	000.0	000.2	BL20090709AOZ
WIBR	D	BATON ROUGE	LA	1300	0005.000kW	302825N	911334W	000.0	000.2	BL14456
WPYR	D	BATON ROUGE	LA	1380	0005.000kW	302739N	911323W	001.4	168.1	BML20120201ASD
KBRH	D	BATON ROUGE	LA	1260	0005.000kW	302738N	911437W	002.2	229.7	BL19990125DD
WPFC	D	BATON ROUGE	LA	1550	0005.000kW	303007N	911239W	003.5	024.7	BL
WJBO	D	BATON ROUGE	LA	1150	0015.000kW	302747N	911610W	004.3	254.6	BMML20120914AET
FM										
K237EW	X	Port Allen	LA	237D	0000.250kW	302935N	911439W	002.8	321.7	BLFT20070308ABD
WBRH	M	Baton Rouge	LA	212C3	0003.500kW	302636N	911054W	005.4	128.1	BLED20111003AMP
K249DV	X	Baton Rouge	LA	249D	0000.250kW	302556N	911107W	006.0	139.4	BLFT20130107ABS
WTQT-L	L	Baton Rouge	LA	291L1	0000.071kW	302641N	910920W	007.5	115.2	BLL20131125ADT
KLSU	M	Baton Rouge	LA	216C3	0023.000kW	302437N	911037W	008.4	146.1	BLED20160401AAZ
WLMZ-L	L	Baton Rouge	LA	253L1	0000.100kW	302709N	910818W	008.7	105.4	BNPL20131112AFB
WHYR-L	L	Baton Rouge	LA	245L1	0000.025kW	302659N	910754W	009.4	106.1	BLL20110624AAA
WRKF	M	Baton Rouge	LA	207C1	0028.000kW	302222N	911216W	011.3	169.5	BLED19910718KA
WDGL	M	Baton Rouge	LA	251C	0100.000kW	302158N	911247W	012.0	174.0	BLH20160113ABS
WTGE	M	Baton Rouge	LA	264C	0100.000kW	302158N	911247W	012.0	174.0	BLH20160113ABQ
WMIY-L	L	Baton Rouge	LA	226L1	0000.100kW	302234N	910930W	012.6	149.0	BLL20150721ABO
WBRJ-L	L	Baton Rouge	LA	247L1	0000.095kW	302459N	910503W	015.0	114.9	BLL20100210AAI
162832	L	Baton Rouge	LA	271L1	0000.021kW	302539N	910444W	015.0	109.8	BNPL20131114AQC
K279AL	X	Baton Rouge	LA	279D	0000.019kW	302539N	910444W	015.0	109.8	BMLET20160509AAQ
W266CD	X	Baton Rouge	LA	266D	0000.027kW	302539N	910444W	015.0	109.8	BLFT20160425AAC
-K258CH	X	Baker	LA	258D	0000.250kW	303605N	910924W	015.7	025.0	BLFT20160506AAH
WBRP	M	Baker	LA	297A	0004.270kW	302826N	910338W	015.9	089.7	BLH20040120ADC
TV										
WBXH-C	F	Baton Rouge	LA	39 D	0008.800kW	302636N	911054W	005.4	128.1	BLDTA20141104ADN
KBTR-C	F	Baton Rouge	LA	41 D	0015.000kW	302556N	911107W	006.0	139.4	BLANK0000001582
200332	G	Baton Rouge	LA	03	0000.005kW	302442N	911102W	007.9	149.4	BLANK0000011244
KPBN-L	G	Baton Rouge	LA	14 D	0015.000kW	302700N	910759W	009.3	106.2	BLDTL20100111ADP
WLPB-D	T	Baton Rouge	LA	25 3E	0355.000kW	302222N	911216W	011.3	169.5	BLEDT20101201ALR
WAFB-D	T	Baton Rouge	LA	09 3C	0005.570kW	302158N	911247W	012.0	174.0	BLCDT20090622AAU
KPBN-L	X	Baton Rouge	LA	11-T	0000.195kW	302602N	910509W	014.2	108.0	BLTVL19960409JB

OVERALL  
STRUCTURE  
60.66 m  
( 199.0 ft)  
AGL  
66.14 m  
( 217.0 ft)  
AMSL

AM  
RADIATOR  
59.74 m  
( 196.0 ft)

Base Insulator 0.9 m ( 3.0 ft)

North Latitude 30-28-23  
West Longitude 91-13-32

Site Elev 5.49 m ( 18.0 ft) AMSL

(Sketch not drawn to scale)

TOWER #1 OF 2  
CENTER OF ARRAY:  
N. LAT. 30-28-24  
W. LONG. 91-13-34  
NAD '27

## VERTICAL PLAN SKETCH

SITE ELEVATION - 5 m ( 18 ft) AMSL

TOP OF STRUCTURE - 61 m ( 199 ft) AGL  
66 m ( 217 ft) AMSL

AM Radiator - 60 m ( 196 ft)

FIGURES ROUNDED TO NEAREST METER (FOOT).

**EXHIBIT #1N1**  
**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**GRAHAM BROCK, INC.**  
BROADCAST TECHNICAL CONSULTANTS

MINOR CHANGE APPLICATION  
RADIO LICENSE HOLDING CBC, LLC  
WIBR AM RADIO STATION  
has: 1300 kHz - 1.0/5.0 kW - DA2  
req: 1300 kHz - 0.5/2.0 kW - DA2  
BATON ROUGE, LOUISIANA  
August 2016

EXHIBIT #1N2

Tower #1 NADCON

North American Datum Conversion

NAD 83 to NAD 27

NADCON Program Version 2.11

=====

Transformation #: 1      Region: Conus

	Latitude	Longitude
NAD 27 datum values:	30 28 22.83526	91 13 32.48901
NAD 83 datum values:	30 28 23.52000	91 13 32.88000
NAD 27 - NAD 83 shift values:	-0.68474	-0.39099(secs.)
	-21.086	-10.429 (meters)
Magnitude of total shift:		23.524(meters)

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1N3**

**Tower #1 TOWAIR**

**\*\*\* NOTICE \*\*\***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

**DETERMINATION Results**

**Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.**

**Your Specifications**

**NAD83 Coordinates**

Latitude	30-28-23.5 north
Longitude	091-13-32.5 west

**Measurements (Meters)**

Overall Structure Height (AGL)	60.7
Support Structure Height (AGL)	0
Site Elevation (AMSL)	5.5

**Structure Type**

GTOWER - Guyed Structure Used for Communication Purposes

**Tower Construction Notifications**

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

OVERALL  
STRUCTURE  
60.66 m  
( 199.0 ft)  
AGL  
66.14 m  
( 217.0 ft)  
AMSL

AM  
RADIATOR  
59.74 m  
( 196.0 ft)

Base Insulator 0.9 m ( 3.0 ft)

North Latitude 30-28-26  
West Longitude 91-13-35

Site Elev 5.49 m ( 18.0 ft) AMSL

(Sketch not drawn to scale)

TOWER #2 OF 2  
CENTER OF ARRAY:  
N. LAT. 30-28-24  
W. LONG. 91-13-24  
NAD '27

### VERTICAL PLAN SKETCH

SITE ELEVATION - 5 m ( 18 ft) AMSL

TOP OF STRUCTURE - 61 m ( 199 ft) AGL  
66 m ( 217 ft) AMSL

AM Radiator - 60 m ( 196 ft)

FIGURES ROUNDED TO NEAREST METER (FOOT).

**EXHIBIT #101**  
**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**GRAHAM BROCK, INC.**

BROADCAST TECHNICAL CONSULTANTS

MINOR CHANGE APPLICATION  
RADIO LICENSE HOLDING CBC, LLC  
WIBR AM RADIO STATION  
has: 1300 kHz - 1.0/5.0 kW - DA2  
req: 1300 kHz - 0.5/2.0 kW - DA2  
BATON ROUGE, LOUISIANA  
August 2016

EXHIBIT #102

Tower #2 NADCON

North American Datum Conversion

NAD 83 to NAD 27

NADCON Program Version 2.11

=====

Transformation #: 1      Region: Conus

	Latitude	Longitude
NAD 27 datum values:	30 28 26.09533	91 13 35.03893
NAD 83 datum values:	30 28 26.78000	91 13 35.43000
NAD 27 - NAD 83 shift values:	-0.68467	-0.39107(secs.)
	-21.084	-10.431 (meters)
Magnitude of total shift:		23.523(meters)

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #103**

**Tower #2 TOWAIR**

**\*\*\* NOTICE \*\*\***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

**DETERMINATION Results**

**Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.**

**Your Specifications**

**NAD83 Coordinates**

Latitude	30-28-26.8 north
Longitude	091-13-35.4 west

**Measurements (Meters)**

Overall Structure Height (AGL)	60.7
Support Structure Height (AGL)	0
Site Elevation (AMSL)	5.5

**Structure Type**

GTOWER - Guyed Structure Used for Communication Purposes

**Tower Construction Notifications**

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

MINOR CHANGE APPLICATION  
RADIO LICENSE HOLDING CBC, LLC  
WIBR AM RADIO STATION  
has: 1300 kHz - 1.0/5.0 kW - DA2  
req: 1300 kHz - 0.5/2.0 kW - DA2  
BATON ROUGE, LOUISIANA  
August 2016

EXHIBIT #1P

NADCON

Center of Array

North American Datum Conversion

NAD 83 to NAD 27

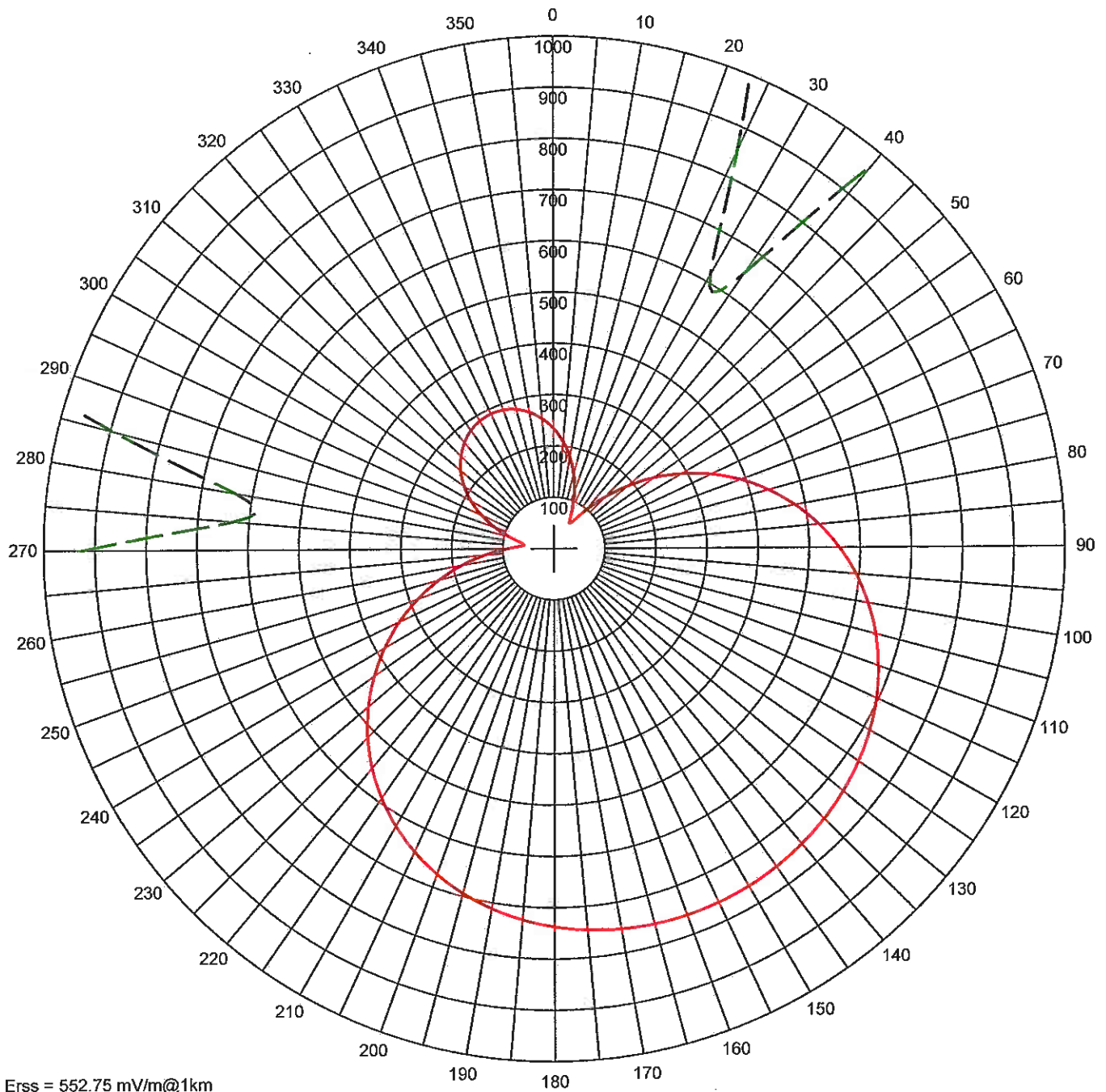
NADCON Program Version 2.11

=====

Transformation #: 1      Region: Conus

	Latitude	Longitude
NAD 27 datum values:	30 28 24.46529	91 13 33.76397
NAD 83 datum values:	30 28 25.15000	91 13 34.15500
NAD 27 - NAD 83 shift values:	-0.68471	-0.39103(secs.)
	-21.085	-10.430 (meters)
Magnitude of total shift:		23.524(meters)

# AM Directional Pattern



Erss = 552.75 mV/m@1km  
 Theo RMS: 455.488 mV/m@1km  
 Std RMS: 478.493 mV/m@1km  
 Q: 14.142 mV/m@1km

Standard Horizontal Plane Pattern

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: D  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 2.0 kW  
 Theo RMS: 455.49 mV/m@1km  
 @ 2.0 kW

**EXHIBIT #1Q1a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1Q1b**

**WIBR DAY AM Radiation Report**

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 2.0 kW

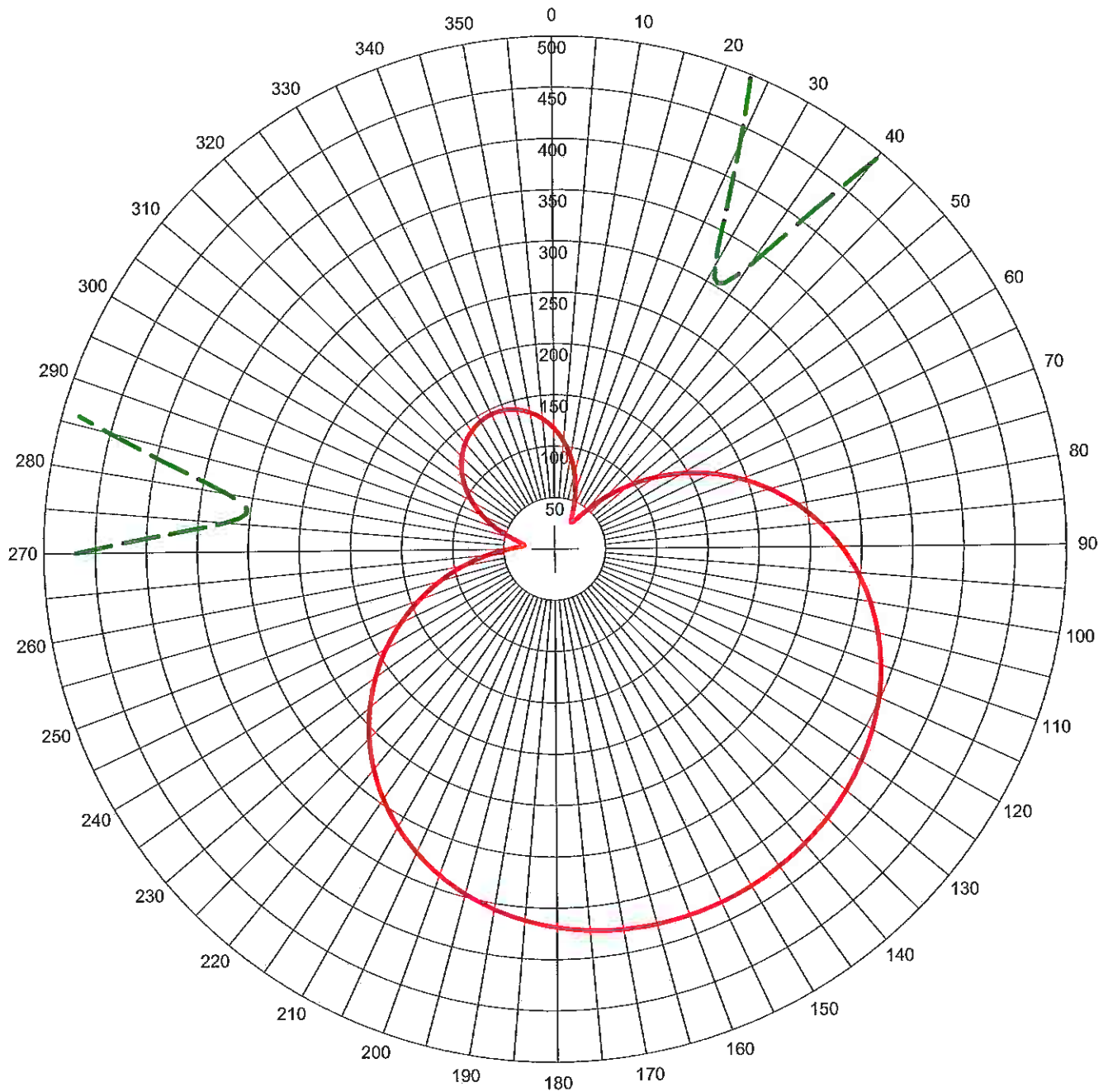
BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 455.49 mV/m @ 1km @ 2.0 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

-----  
Standard Horizontal Plane Pattern

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	234.28	5.0	210.34	10.0	182.58
15.0	151.53	20.0	118.24	25.0	85.39
30.0	61.52	35.0	65.46	40.0	97.44
45.0	141.20	50.0	189.49	55.0	239.65
60.0	290.27	65.0	340.38	70.0	389.20
75.0	436.05	80.0	480.38	85.0	521.75
90.0	559.81	95.0	594.34	100.0	625.22
105.0	652.44	110.0	676.08	115.0	696.28
120.0	713.25	125.0	727.23	130.0	738.48
135.0	747.25	140.0	753.77	145.0	758.25
150.0	760.84	155.0	761.62	160.0	760.63
165.0	757.82	170.0	753.10	175.0	746.32
180.0	737.26	185.0	725.70	190.0	711.38
195.0	694.03	200.0	673.43	205.0	649.37
210.0	621.71	215.0	590.39	220.0	555.42
225.0	516.95	230.0	475.21	235.0	430.55
240.0	383.43	245.0	334.43	250.0	284.21
255.0	233.58	260.0	183.56	265.0	135.64
270.0	92.75	275.0	63.15	280.0	63.32
285.0	89.12	290.0	122.29	295.0	155.40
300.0	186.10	305.0	213.42	310.0	236.89
315.0	256.25	320.0	271.35	325.0	282.10
330.0	288.46	335.0	290.41	340.0	287.93
345.0	281.04	350.0	269.76	355.0	254.15

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Horizontal Plane Pattern

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R1a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R1b**

AM Radiation Report

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

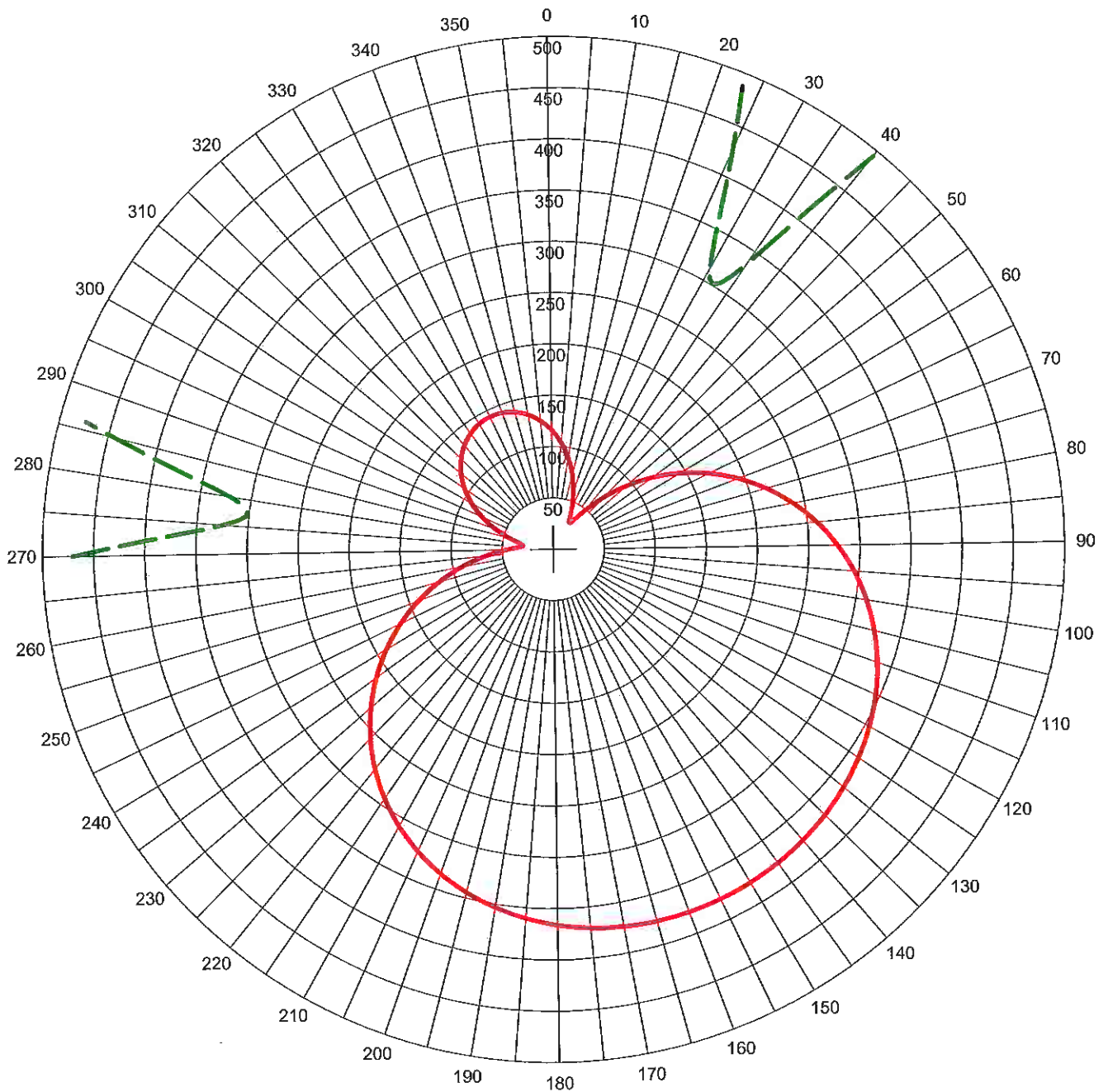
BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

-----  
Standard Horizontal Plane Pattern

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	117.38	5.0	105.43	10.0	91.59
15.0	76.13	20.0	59.58	25.0	43.33
30.0	31.64	35.0	33.56	40.0	49.28
45.0	70.99	50.0	95.04	55.0	120.05
60.0	145.32	65.0	170.35	70.0	194.74
75.0	218.15	80.0	240.31	85.0	260.98
90.0	280.00	95.0	297.26	100.0	312.70
105.0	326.31	110.0	338.12	115.0	348.22
120.0	356.70	125.0	363.69	130.0	369.31
135.0	373.70	140.0	376.96	145.0	379.20
150.0	380.49	155.0	380.88	160.0	380.39
165.0	378.98	170.0	376.62	175.0	373.23
180.0	368.71	185.0	362.93	190.0	355.77
195.0	347.10	200.0	336.80	205.0	324.77
210.0	310.94	215.0	295.29	220.0	277.81
225.0	258.58	230.0	237.72	235.0	215.40
240.0	191.86	245.0	167.38	250.0	142.30
255.0	117.03	260.0	92.08	265.0	68.22
270.0	46.96	275.0	32.44	280.0	32.52
285.0	45.18	290.0	61.59	295.0	78.06
300.0	93.34	305.0	106.97	310.0	118.68
315.0	128.34	320.0	135.88	325.0	141.25
330.0	144.42	335.0	145.39	340.0	144.16
345.0	140.72	350.0	135.09	355.0	127.29

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 5.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R2a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R2b**

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

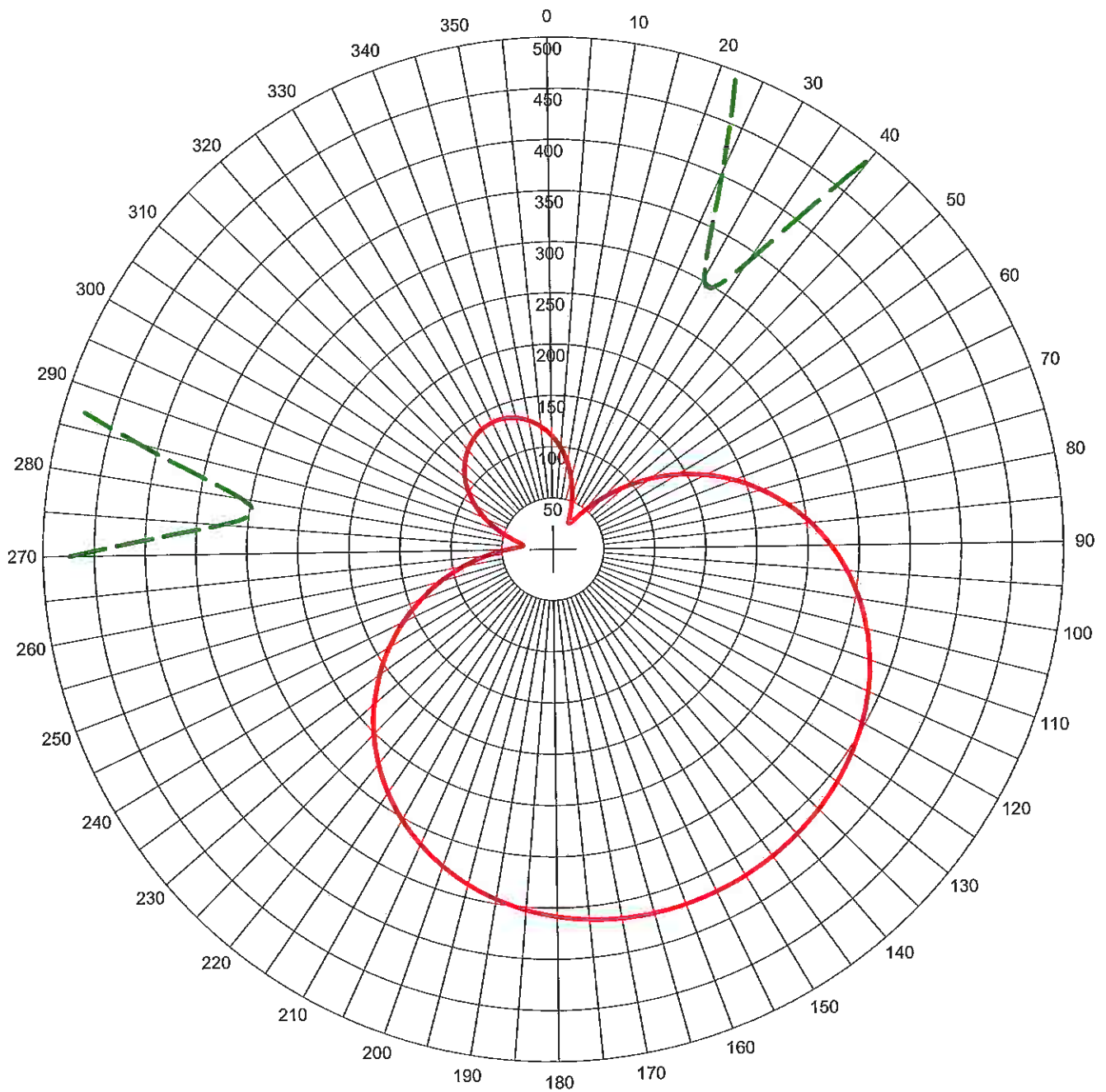
BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Standard Pattern  
Calculated at 5.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	115.70	5.0	103.87	10.0	90.17
15.0	74.87	20.0	58.52	25.0	42.55
30.0	31.27	35.0	33.63	40.0	49.40
45.0	70.95	50.0	94.77	55.0	119.55
60.0	144.58	65.0	169.37	70.0	193.53
75.0	216.73	80.0	238.68	85.0	259.17
90.0	278.03	95.0	295.15	100.0	310.46
105.0	323.97	110.0	335.71	115.0	345.74
120.0	354.18	125.0	361.13	130.0	366.73
135.0	371.10	140.0	374.35	145.0	376.58
150.0	377.87	155.0	378.26	160.0	377.77
165.0	376.37	170.0	374.02	175.0	370.63
180.0	366.13	185.0	360.37	190.0	353.25
195.0	344.63	200.0	334.39	205.0	322.45
210.0	308.72	215.0	293.19	220.0	275.86
225.0	256.79	230.0	236.12	235.0	214.00
240.0	190.68	245.0	166.43	250.0	141.58
255.0	116.56	260.0	91.85	265.0	68.20
270.0	47.09	275.0	32.47	280.0	32.09
285.0	44.35	290.0	60.51	295.0	76.77
300.0	91.90	305.0	105.39	310.0	116.99
315.0	126.56	320.0	134.03	325.0	139.35
330.0	142.50	335.0	143.46	340.0	142.24
345.0	138.83	350.0	133.25	355.0	125.52

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 10.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R3a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R3b**

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

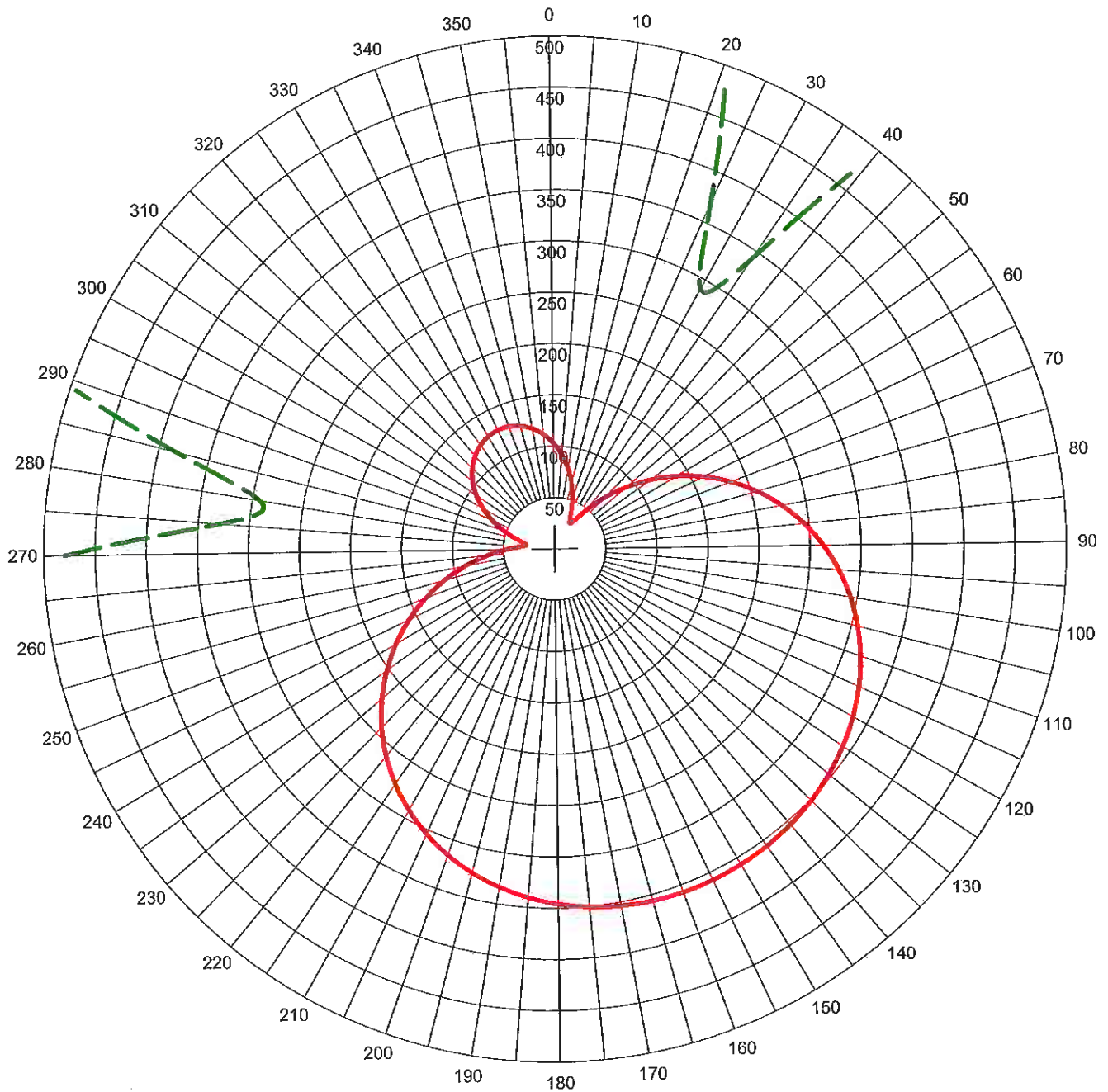
BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Standard Pattern  
Calculated at 10.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	110.77	5.0	99.28	10.0	85.98
15.0	71.18	20.0	55.43	25.0	40.27
30.0	30.27	35.0	33.86	40.0	49.72
45.0	70.80	50.0	93.98	55.0	118.06
60.0	142.38	65.0	166.47	70.0	189.95
75.0	212.50	80.0	233.86	85.0	253.81
90.0	272.19	95.0	288.89	100.0	303.85
105.0	317.06	110.0	328.56	115.0	338.41
120.0	346.70	125.0	353.55	130.0	359.07
135.0	363.39	140.0	366.61	145.0	368.82
150.0	370.10	155.0	370.49	160.0	370.00
165.0	368.61	170.0	366.28	175.0	362.93
180.0	358.47	185.0	352.80	190.0	345.78
195.0	337.31	200.0	327.27	205.0	315.57
210.0	302.15	215.0	286.97	220.0	270.07
225.0	251.49	230.0	231.36	235.0	209.85
240.0	187.17	245.0	163.60	250.0	139.47
255.0	115.15	260.0	91.14	265.0	68.12
270.0	47.44	275.0	32.62	280.0	30.91
285.0	41.96	290.0	57.34	295.0	73.02
300.0	87.67	305.0	100.75	310.0	112.02
315.0	121.33	320.0	128.60	325.0	133.78
330.0	136.85	335.0	137.78	340.0	136.59
345.0	133.27	350.0	127.84	355.0	120.32

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 15.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R4a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R4b**

WIER 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

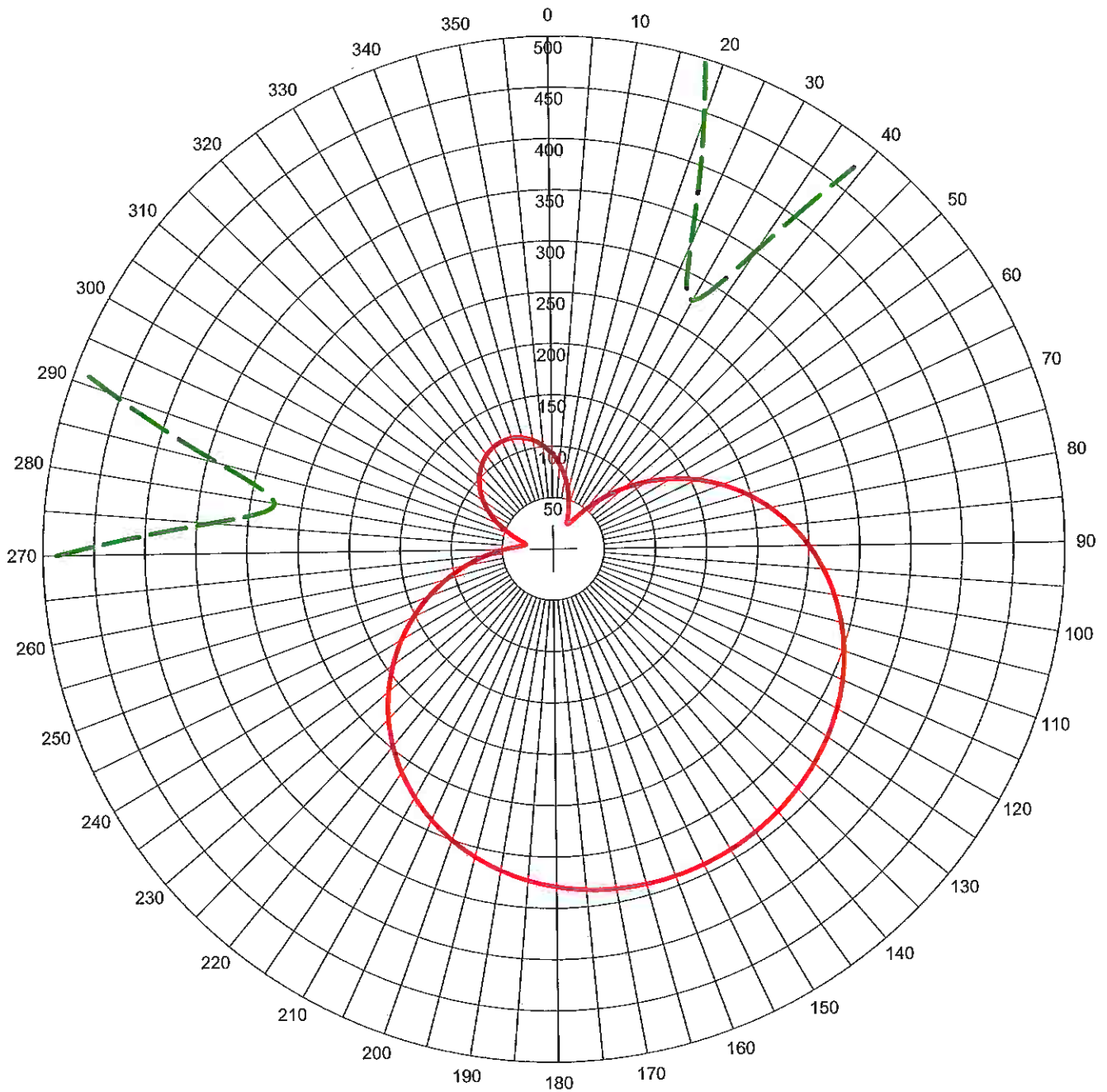
BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Standard Pattern  
Calculated at 15.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	102.88	5.0	91.93	10.0	79.31
15.0	65.30	20.0	50.56	25.0	36.78
30.0	28.94	35.0	34.35	40.0	50.23
45.0	70.51	50.0	92.65	55.0	115.61
60.0	138.78	65.0	161.73	70.0	184.11
75.0	205.63	80.0	226.03	85.0	245.10
90.0	262.71	95.0	278.73	100.0	293.11
105.0	305.84	110.0	316.94	115.0	326.48
120.0	334.53	125.0	341.21	130.0	346.60
135.0	350.83	140.0	354.00	145.0	356.18
150.0	357.44	155.0	357.82	160.0	357.34
165.0	355.97	170.0	353.67	175.0	350.38
180.0	346.02	185.0	340.47	190.0	333.64
195.0	325.42	200.0	315.70	205.0	304.40
210.0	291.47	215.0	276.89	220.0	260.68
225.0	242.89	230.0	223.65	235.0	203.10
240.0	181.47	245.0	159.00	250.0	136.00
255.0	112.83	260.0	89.94	265.0	67.95
270.0	48.01	275.0	32.99	280.0	29.28
285.0	38.27	290.0	52.33	295.0	67.04
300.0	80.90	305.0	93.34	310.0	104.07
315.0	112.95	320.0	119.89	325.0	124.83
330.0	127.76	335.0	128.66	340.0	127.52
345.0	124.35	350.0	119.16	355.0	111.98

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 20.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R5a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R5b**

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

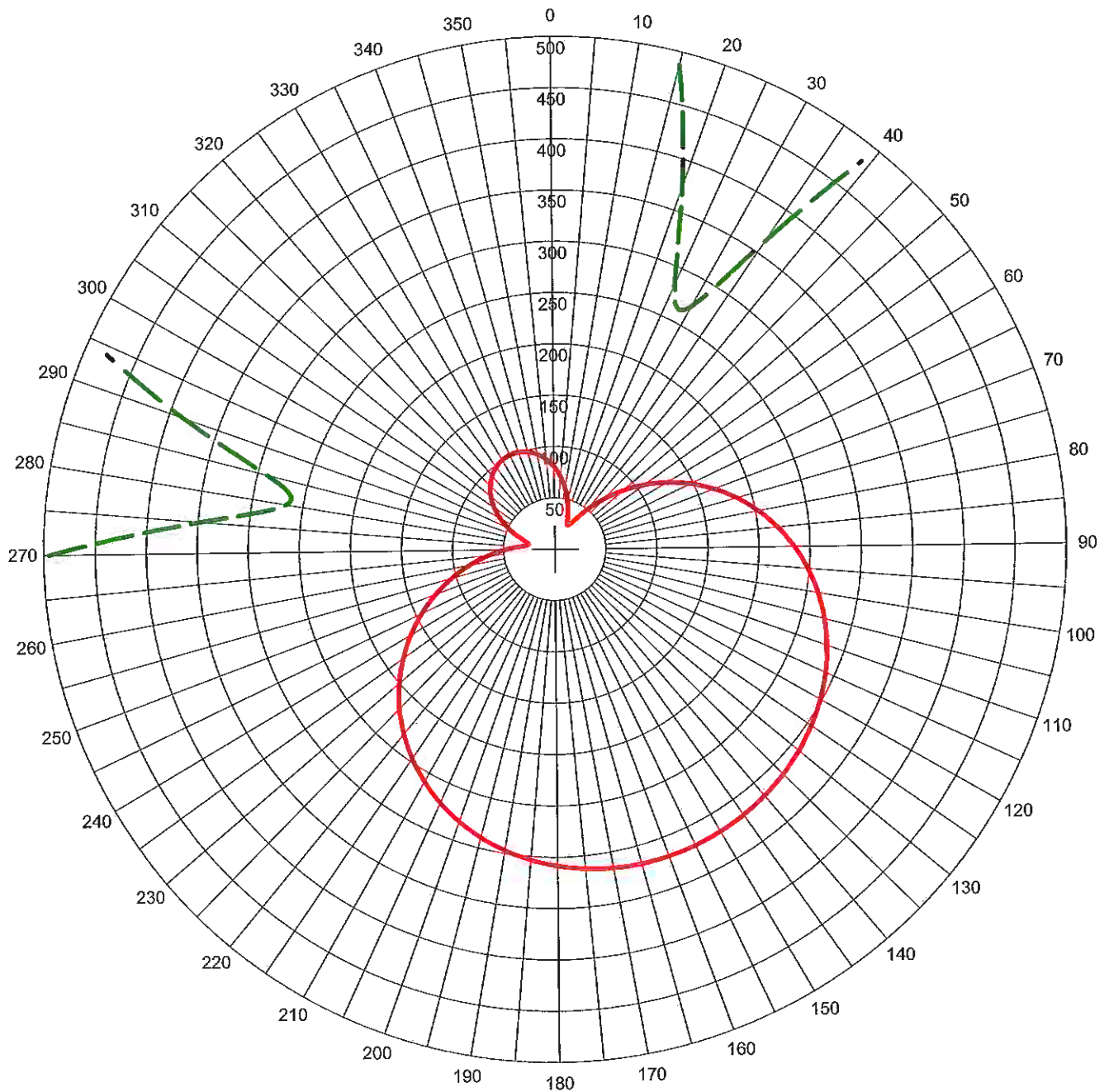
BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Standard Pattern  
Calculated at 20.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	92.47	5.0	82.27	10.0	70.55
15.0	57.65	20.0	44.31	25.0	32.55
30.0	27.72	35.0	35.17	40.0	50.85
45.0	70.03	50.0	90.78	55.0	112.23
60.0	133.87	65.0	155.31	70.0	176.24
75.0	196.37	80.0	215.49	85.0	233.40
90.0	249.95	95.0	265.06	100.0	278.65
105.0	290.73	110.0	301.29	115.0	310.40
120.0	318.12	125.0	324.54	130.0	329.75
135.0	333.85	140.0	336.93	145.0	339.06
150.0	340.29	155.0	340.67	160.0	340.19
165.0	338.85	170.0	336.61	175.0	333.42
180.0	329.19	185.0	323.83	190.0	317.26
195.0	309.38	200.0	300.10	205.0	289.36
210.0	277.10	215.0	263.32	220.0	248.04
225.0	231.32	230.0	213.25	235.0	194.01
240.0	173.76	245.0	152.76	250.0	131.28
255.0	109.64	260.0	88.24	265.0	67.62
270.0	48.72	275.0	33.71	280.0	27.68
285.0	33.74	290.0	45.89	295.0	59.24
300.0	72.03	305.0	83.58	310.0	93.58
315.0	101.87	320.0	108.37	325.0	113.00
330.0	115.75	335.0	116.59	340.0	115.52
345.0	112.55	350.0	107.69	355.0	100.97

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 25.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R6a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R6b**

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

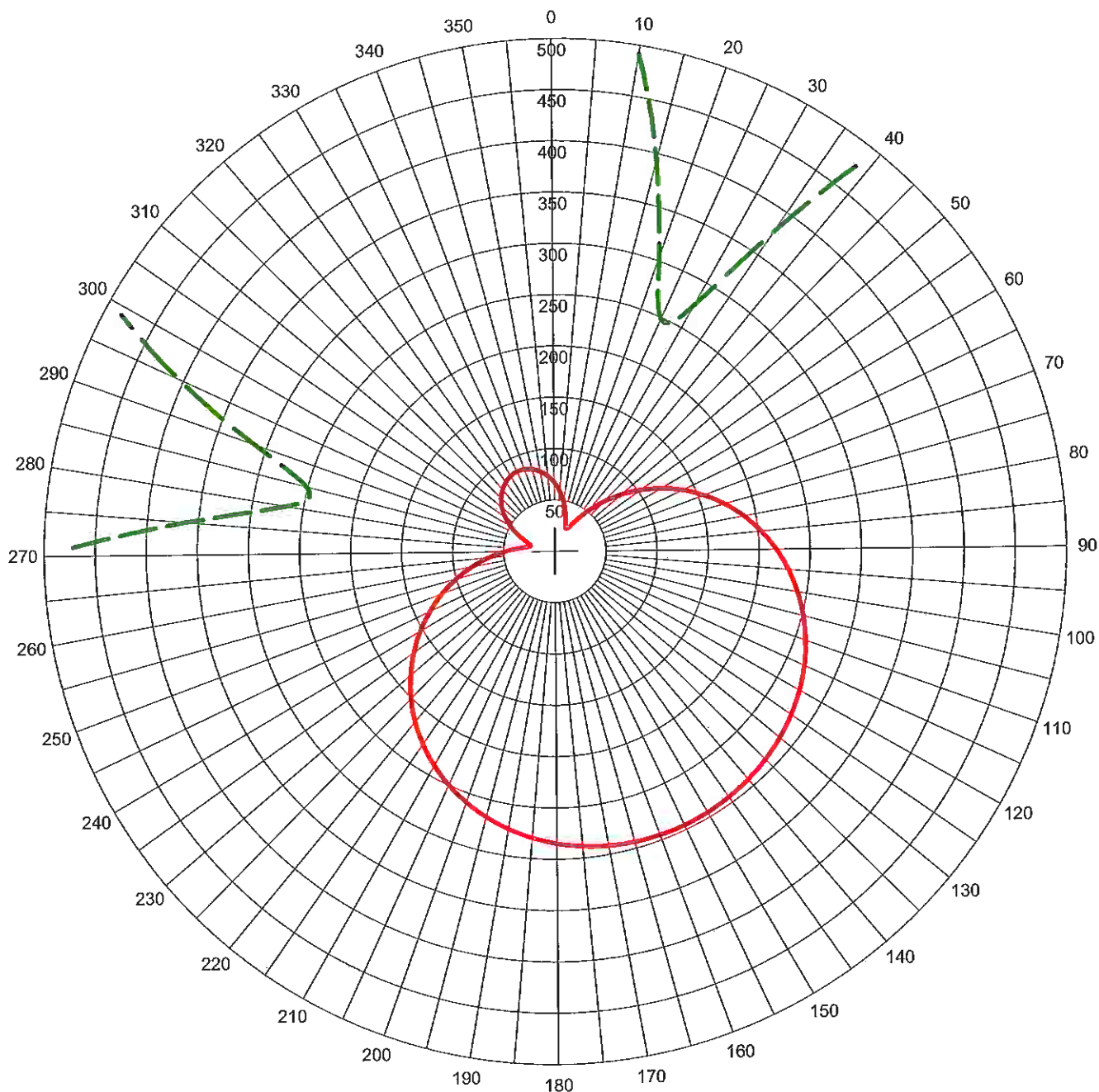
BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Standard Pattern  
Calculated at 25.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	80.14	5.0	70.86	10.0	60.28
15.0	48.78	20.0	37.28	25.0	28.27
30.0	27.14	35.0	36.35	40.0	51.50
45.0	69.28	50.0	88.33	55.0	107.98
60.0	127.78	65.0	147.41	70.0	166.58
75.0	185.05	80.0	202.62	85.0	219.11
90.0	234.39	95.0	248.38	100.0	261.01
105.0	272.27	110.0	282.16	115.0	290.72
120.0	298.01	125.0	304.11	130.0	309.08
135.0	313.00	140.0	315.96	145.0	318.01
150.0	319.21	155.0	319.57	160.0	319.11
165.0	317.81	170.0	315.66	175.0	312.59
180.0	308.54	185.0	303.44	190.0	297.20
195.0	289.76	200.0	281.04	205.0	270.99
210.0	259.57	215.0	246.77	220.0	232.63
225.0	217.19	230.0	200.56	235.0	182.88
240.0	164.31	245.0	145.07	250.0	125.41
255.0	105.60	260.0	86.01	265.0	67.07
270.0	49.50	275.0	34.84	280.0	26.69
285.0	29.06	290.0	38.60	295.0	50.18
300.0	61.61	305.0	72.05	310.0	81.15
315.0	88.73	320.0	94.67	325.0	98.92
330.0	101.44	335.0	102.21	340.0	101.23
345.0	98.50	350.0	94.05	355.0	87.90

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 30.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Long: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R7a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R7b**

WIBR 1300 kHz                      BATON ROUGE, LA, US Hours: D  
North Latitude: 30° 28' 24"      West Longitude: 91° 13' 34"  
Power: 0.5 kW                      Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

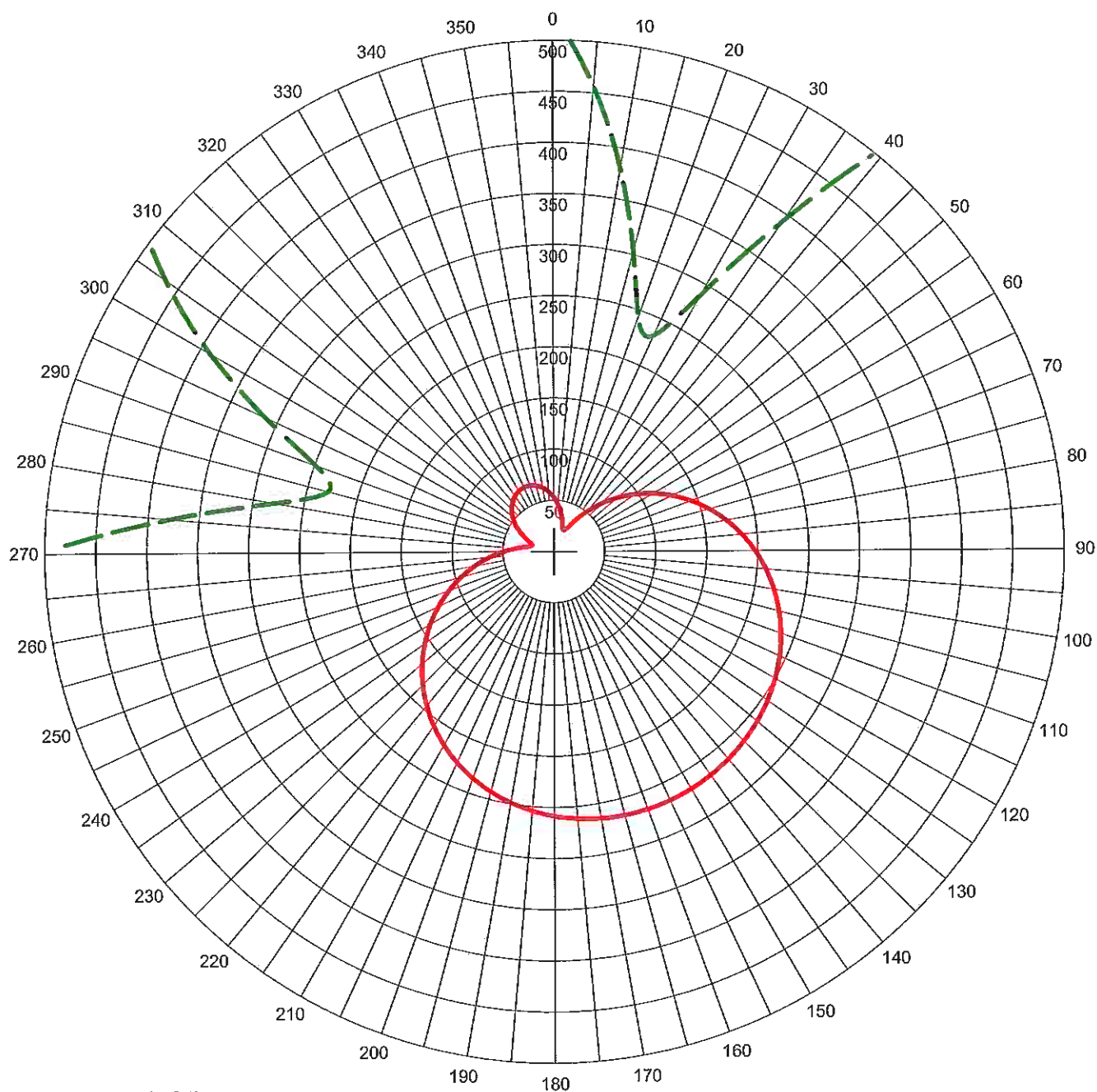
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

-----

Standard Pattern  
Calculated at 30.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	66.59	5.0	58.40	10.0	49.16
15.0	39.37	20.0	30.26	25.0	24.85
30.0	27.54	35.0	37.82	40.0	52.05
45.0	68.19	50.0	85.31	55.0	102.92
60.0	120.66	65.0	138.25	70.0	155.45
75.0	172.04	80.0	187.86	85.0	202.74
90.0	216.58	95.0	229.28	100.0	240.80
105.0	251.10	110.0	260.20	115.0	268.12
120.0	274.89	125.0	280.58	130.0	285.25
135.0	288.95	140.0	291.75	145.0	293.70
150.0	294.84	155.0	295.18	160.0	294.74
165.0	293.51	170.0	291.46	175.0	288.56
180.0	284.74	185.0	279.95	190.0	274.14
195.0	267.23	200.0	259.17	205.0	249.93
210.0	239.48	215.0	227.82	220.0	214.98
225.0	201.01	230.0	186.01	235.0	170.09
240.0	153.41	245.0	136.15	250.0	118.53
255.0	100.79	260.0	83.22	265.0	66.19
270.0	50.22	275.0	36.32	280.0	26.75
285.0	25.14	290.0	31.24	295.0	40.55
300.0	50.31	305.0	59.44	310.0	67.49
315.0	74.23	320.0	79.53	325.0	83.33
330.0	85.59	335.0	86.28	340.0	85.40
345.0	82.96	350.0	78.97	355.0	73.49

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 35.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R8a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R8b**

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

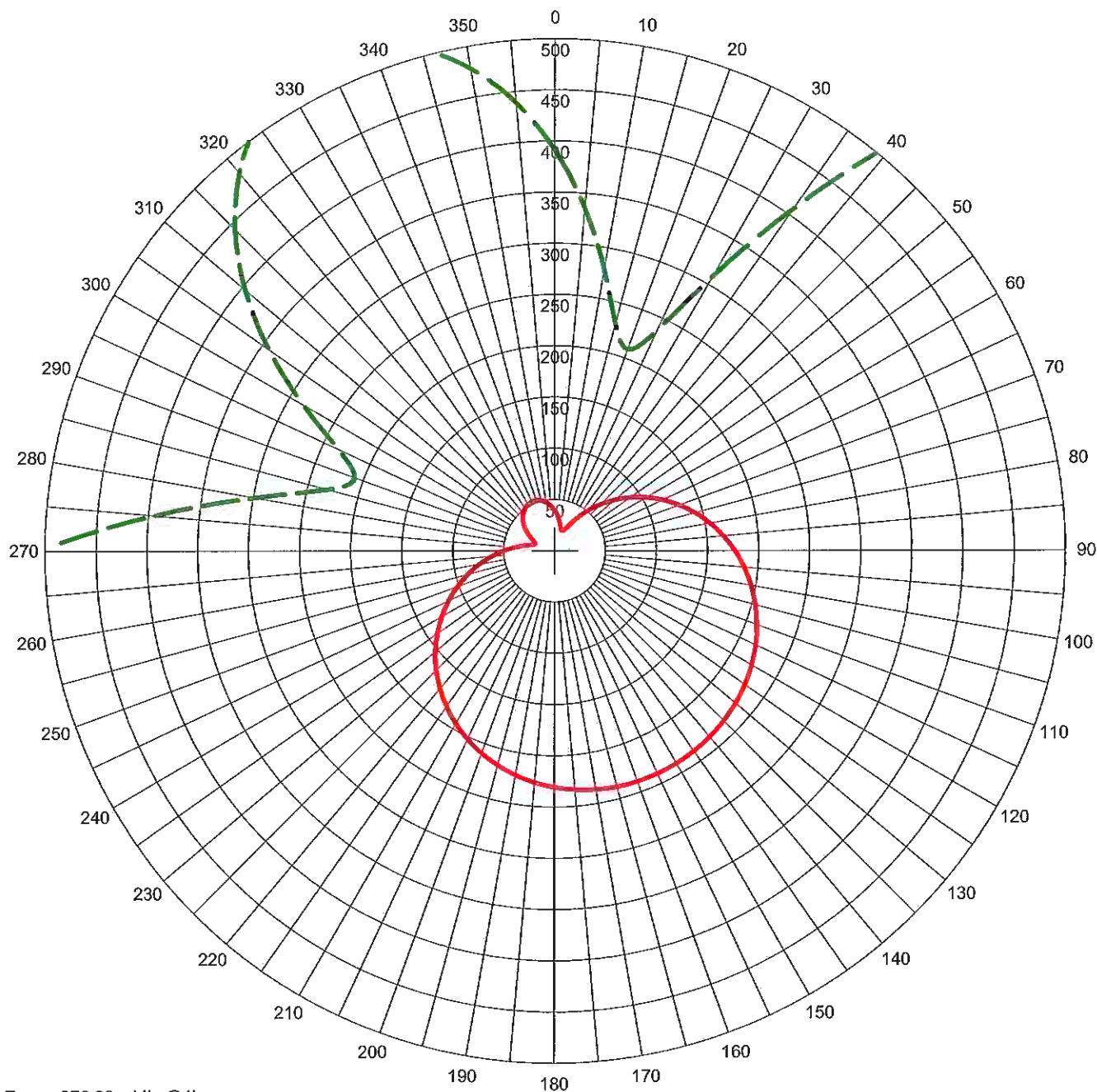
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 35.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	52.60	5.0	45.65	10.0	38.00
15.0	30.34	20.0	24.34	25.0	23.22
30.0	28.92	35.0	39.39	40.0	52.35
45.0	66.65	50.0	81.69	55.0	97.12
60.0	112.66	65.0	128.07	70.0	143.16
75.0	157.75	80.0	171.68	85.0	184.83
90.0	197.09	95.0	208.39	100.0	218.68
105.0	227.93	110.0	236.13	115.0	243.31
120.0	249.49	125.0	254.70	130.0	259.00
135.0	262.43	140.0	265.04	145.0	266.86
150.0	267.92	155.0	268.24	160.0	267.83
165.0	266.68	170.0	264.77	175.0	262.06
180.0	258.53	185.0	254.12	190.0	248.80
195.0	242.50	200.0	235.20	205.0	226.87
210.0	217.50	215.0	207.08	220.0	195.67
225.0	183.29	230.0	170.04	235.0	156.03
240.0	141.37	245.0	126.24	250.0	110.80
255.0	95.26	260.0	79.86	265.0	64.88
270.0	50.71	275.0	37.97	280.0	27.93
285.0	22.99	290.0	24.88	295.0	31.22
300.0	38.94	305.0	46.53	310.0	53.37
315.0	59.17	320.0	63.76	325.0	67.06
330.0	69.02	335.0	69.63	340.0	68.86
345.0	66.73	350.0	63.27	355.0	58.53

WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
Theo RMS: 227.744 mV/m@1km  
Std RMS: 239.362 mV/m@1km  
Q: 10.0 mV/m@1km

Standard Pattern at Theta = 40.00 Degrees

— Pattern (mV/m @ 1km)  
- - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
Freq: 1300 kHz  
BATON ROUGE, LA, US  
Hours: N  
Lat: 30-28-24 N  
Lng: 091-13-34 W  
Power: 0.5 kW  
Theo RMS: 227.74 mV/m@1km  
@ 0.5 kW

**EXHIBIT #1R9a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R9b**

WIBR 1300 kHz  
North Latitude: 30° 28' 24"  
Power: 0.5 kW

BATON ROUGE, LA, US Hours: D  
West Longitude: 91° 13' 34"  
Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

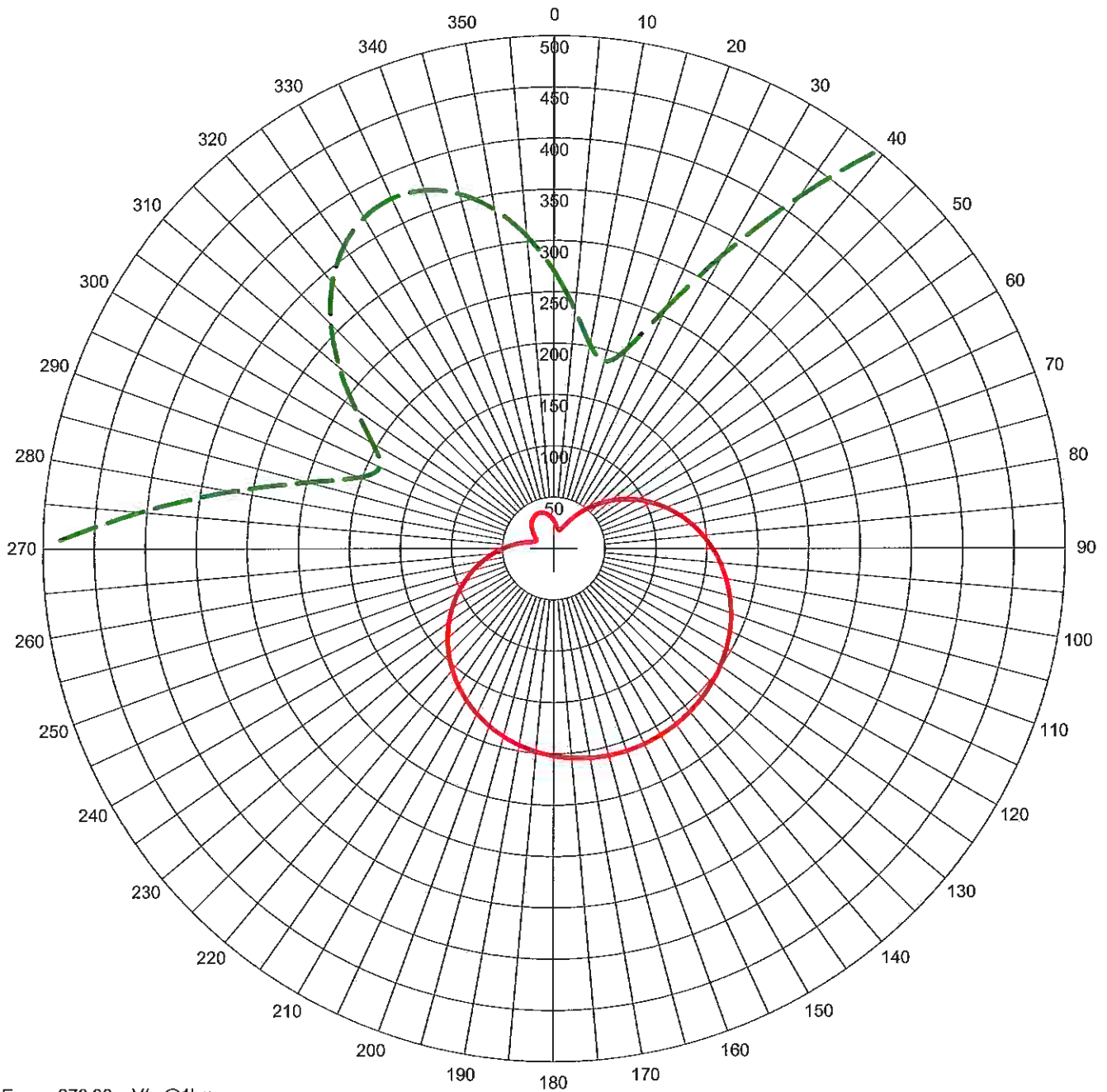
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 40.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	39.05	5.0	33.54	10.0	27.83
15.0	22.94	20.0	20.90	25.0	23.72
30.0	30.93	35.0	40.82	40.0	52.23
45.0	64.57	50.0	77.47	55.0	90.66
60.0	103.94	65.0	117.12	70.0	130.04
75.0	142.56	80.0	154.54	85.0	165.89
90.0	176.51	95.0	186.33	100.0	195.32
105.0	203.43	110.0	210.67	115.0	217.04
120.0	222.55	125.0	227.23	130.0	231.11
135.0	234.21	140.0	236.59	145.0	238.25
150.0	239.22	155.0	239.51	160.0	239.14
165.0	238.08	170.0	236.34	175.0	233.88
180.0	230.68	185.0	226.71	190.0	221.93
195.0	216.32	200.0	209.85	205.0	202.51
210.0	194.28	215.0	185.20	220.0	175.27
225.0	164.56	230.0	153.14	235.0	141.08
240.0	128.51	245.0	115.55	250.0	102.35
255.0	89.07	260.0	75.90	265.0	63.06
270.0	50.81	275.0	39.53	280.0	29.89
285.0	23.12	290.0	20.92	295.0	23.42
300.0	28.50	305.0	34.23	310.0	39.67
315.0	44.40	320.0	48.20	325.0	50.96
330.0	52.60	335.0	53.11	340.0	52.47
345.0	50.69	350.0	47.80	355.0	43.88

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 45.00 Degrees

— Pattern (mV/m @ 1km)  
 — Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R10a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R10b**

WIBR 1300 kHz                      BATON ROUGE, LA, US Hours: D  
North Latitude: 30° 28' 24"      West Longitude: 91° 13' 34"  
Power: 0.5 kW                      Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

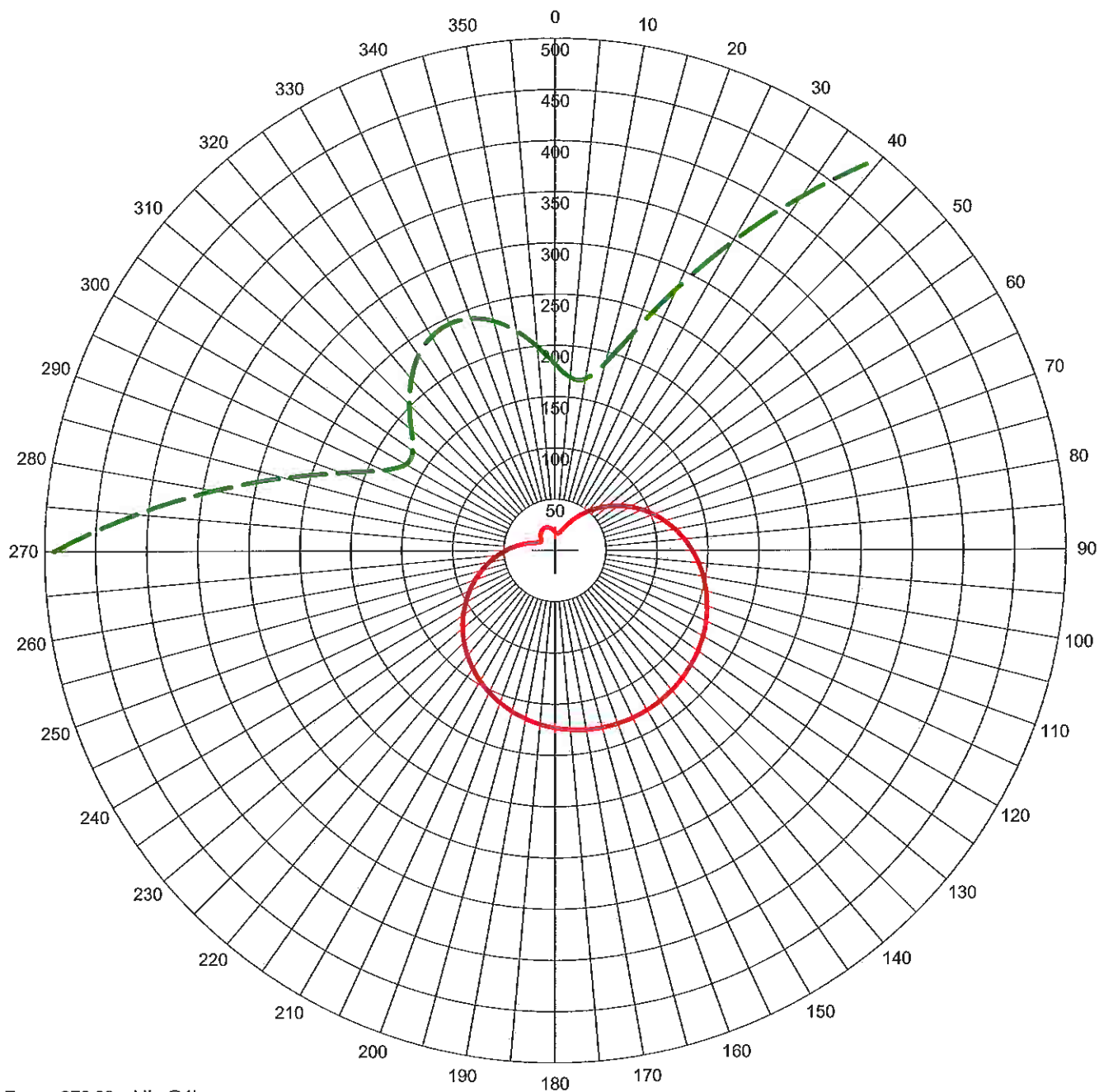
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 45.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	27.01	5.0	23.31	10.0	20.16
15.0	18.86	20.0	20.71	25.0	25.74
30.0	33.05	35.0	41.82	40.0	51.53
45.0	61.88	50.0	72.63	55.0	83.61
60.0	94.66	65.0	105.63	70.0	116.40
75.0	126.86	80.0	136.90	85.0	146.43
90.0	155.39	95.0	163.72	100.0	171.37
105.0	178.31	110.0	184.54	115.0	190.04
120.0	194.83	125.0	198.92	130.0	202.33
135.0	205.07	140.0	207.18	145.0	208.65
150.0	209.52	155.0	209.78	160.0	209.45
165.0	208.51	170.0	206.96	175.0	204.78
180.0	201.96	185.0	198.47	190.0	194.29
195.0	189.42	200.0	183.83	205.0	177.51
210.0	170.48	215.0	162.75	220.0	154.35
225.0	145.32	230.0	135.72	235.0	125.63
240.0	115.13	245.0	104.32	250.0	93.33
255.0	82.29	260.0	71.33	265.0	60.61
270.0	50.33	275.0	40.71	280.0	32.09
285.0	25.00	290.0	20.30	295.0	18.87
300.0	20.47	305.0	23.74	310.0	27.45
315.0	30.93	320.0	33.83	325.0	35.97
330.0	37.26	335.0	37.66	340.0	37.16
345.0	35.76	350.0	33.52	355.0	30.54

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 50.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R11a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R11b**

WIBR 1300 kHz                      BATON ROUGE, LA, US Hours: D  
North Latitude: 30° 28' 24"      West Longitude: 91° 13' 34"  
Power: 0.5 kW                      Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

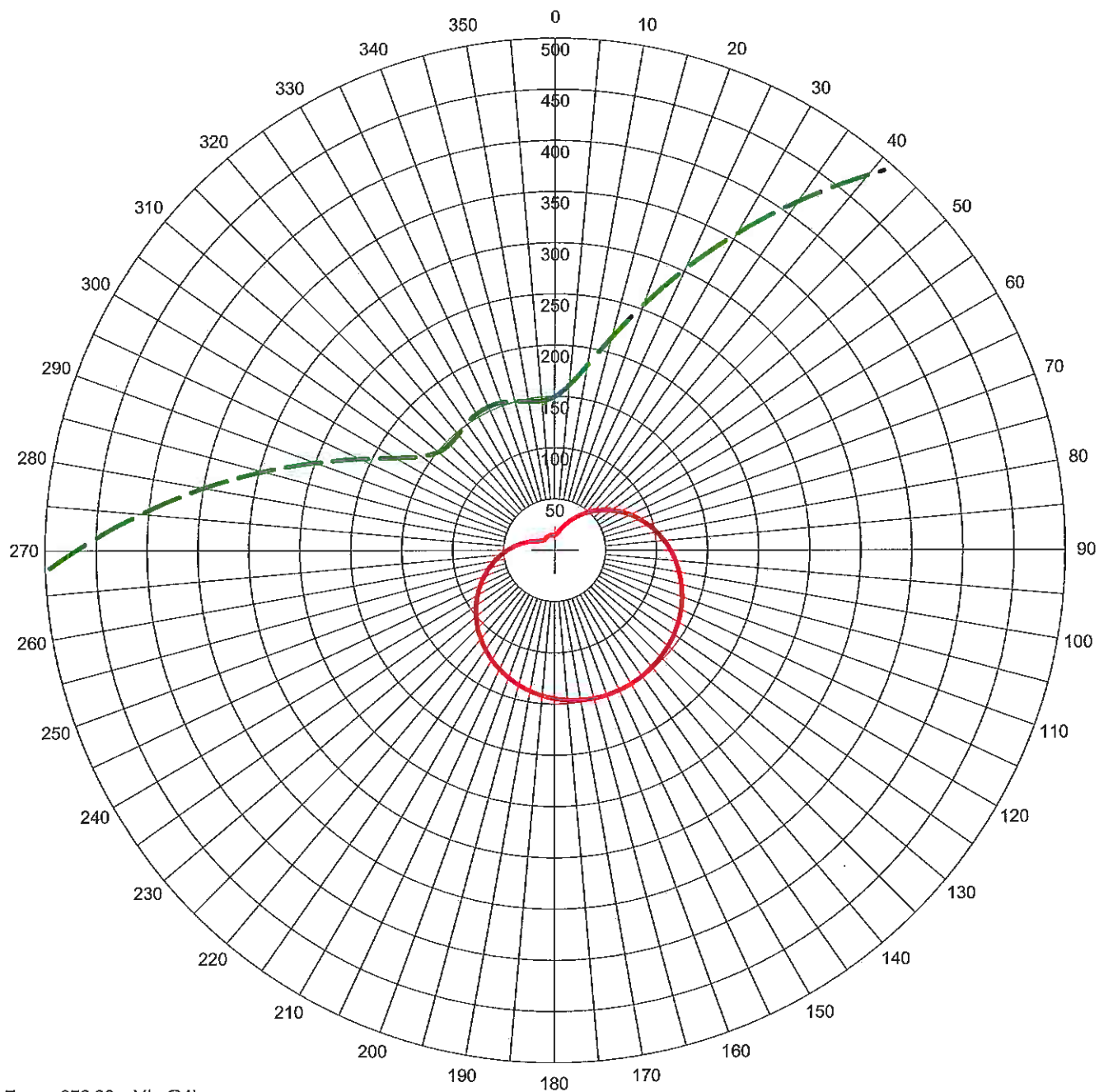
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 50.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	18.17	5.0	16.94	10.0	16.99
15.0	18.95	20.0	22.82	25.0	28.23
30.0	34.77	35.0	42.13	40.0	50.10
45.0	58.49	50.0	67.18	55.0	76.04
60.0	84.94	65.0	93.80	70.0	102.51
75.0	110.98	80.0	119.14	85.0	126.92
90.0	134.25	95.0	141.09	100.0	147.41
105.0	153.18	110.0	158.37	115.0	162.99
120.0	167.03	125.0	170.50	130.0	173.40
135.0	175.75	140.0	177.56	145.0	178.83
150.0	179.58	155.0	179.81	160.0	179.52
165.0	178.71	170.0	177.37	175.0	175.50
180.0	173.09	185.0	170.11	190.0	166.58
195.0	162.47	200.0	157.78	205.0	152.51
210.0	146.68	215.0	140.30	220.0	133.40
225.0	126.01	230.0	118.18	235.0	109.98
240.0	101.48	245.0	92.74	250.0	83.88
255.0	74.97	260.0	66.13	265.0	57.47
270.0	49.12	275.0	41.22	280.0	33.94
285.0	27.51	290.0	22.26	295.0	18.60
300.0	16.90	305.0	17.03	310.0	18.37
315.0	20.17	320.0	21.92	325.0	23.30
330.0	24.17	335.0	24.44	340.0	24.09
345.0	23.16	350.0	21.72	355.0	19.95

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km  
 Theo RMS: 227.744 mV/m@1km  
 Std RMS: 239.362 mV/m@1km  
 Q: 10.0 mV/m@1km

Standard Pattern at Theta = 55.00 Degrees

— Pattern (mV/m @ 1km)  
 - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R12a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R12b**

WIBR 1300 kHz                      BATON ROUGE, LA, US Hours: D  
North Latitude: 30° 28' 24"      West Longitude: 91° 13' 34"  
Power: 0.5 kW                      Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

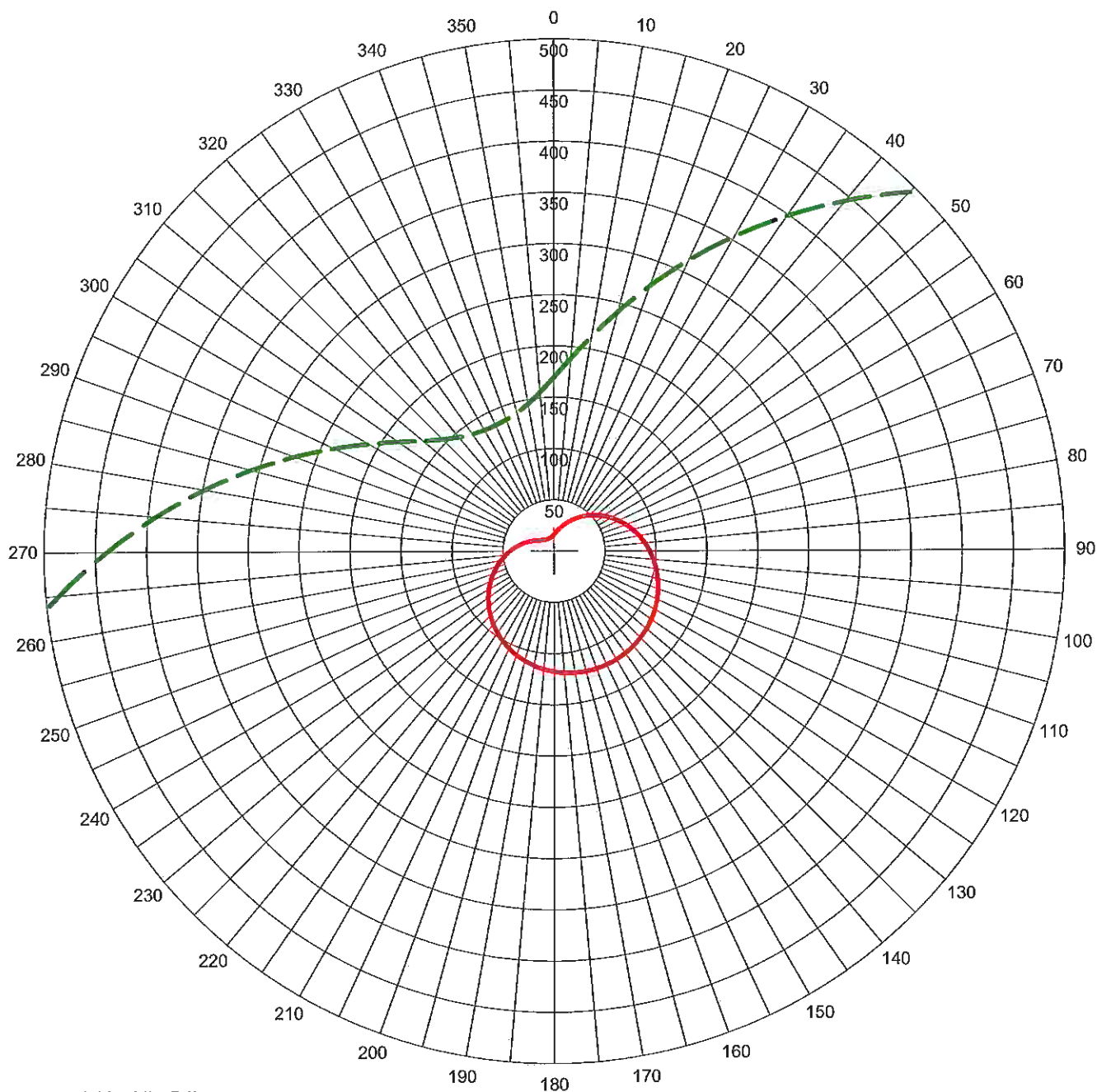
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 55.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	15.01	5.0	16.19	10.0	18.35
15.0	21.49	20.0	25.51	25.0	30.28
30.0	35.66	35.0	41.53	40.0	47.79
45.0	54.35	50.0	61.11	55.0	67.99
60.0	74.91	65.0	81.81	70.0	88.59
75.0	95.22	80.0	101.61	85.0	107.72
90.0	113.51	95.0	118.94	100.0	123.97
105.0	128.59	110.0	132.77	115.0	136.50
120.0	139.79	125.0	142.62	130.0	145.00
135.0	146.94	140.0	148.43	145.0	149.49
150.0	150.11	155.0	150.30	160.0	150.06
165.0	149.38	170.0	148.28	175.0	146.73
180.0	144.74	185.0	142.30	190.0	139.42
195.0	136.08	200.0	132.29	205.0	128.05
210.0	123.39	215.0	118.31	220.0	112.84
225.0	107.01	230.0	100.86	235.0	94.43
240.0	87.79	245.0	80.98	250.0	74.08
255.0	67.16	260.0	60.29	265.0	53.55
270.0	47.03	275.0	40.81	280.0	34.99
285.0	29.68	290.0	24.99	295.0	21.06
300.0	18.04	305.0	16.00	310.0	14.93
315.0	14.62	320.0	14.78	325.0	15.09
330.0	15.36	335.0	15.45	340.0	15.33
345.0	15.05	350.0	14.74	355.0	14.63

# WIBR AM Directional Pattern Night



Erss = 276.38 mV/m@1km

Theo RMS: 227.744 mV/m@1km

Std RMS: 239.362 mV/m@1km

Q: 10.0 mV/m@1km

Standard Pattern at Theta = 60.00 Degrees

— Pattern (mV/m @ 1km)  
- - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

Call: WIBR  
 Freq: 1300 kHz  
 BATON ROUGE, LA, US  
 Hours: N  
 Lat: 30-28-24 N  
 Lng: 091-13-34 W  
 Power: 0.5 kW  
 Theo RMS: 227.74 mV/m@1km  
 @ 0.5 kW

**EXHIBIT #1R13a**

**MINOR CHANGE APPLICATION**  
**RADIO LICENSE HOLDING CBC, LLC**  
**WIBR AM RADIO STATION**  
**has: 1300 kHz - 1.0/5.0 kW - DA2**  
**req: 1300 kHz - 0.5/2.0 kW - DA2**  
**BATON ROUGE, LOUISIANA**  
**August 2016**

**EXHIBIT #1R13b**

WIBR 1300 kHz                      BATON ROUGE, LA, US Hours: D  
North Latitude: 30° 28' 24"      West Longitude: 91° 13' 34"  
Power: 0.5 kW                      Theo RMS: 227.74 mV/m @ 1km @ 0.5 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	93.2	0	0	0.0	0.0	0.0	0.0
2	0.870	132.0	88.8	334.7	93.2	0	0	0.0	0.0	0.0	0.0

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Standard Pattern  
Calculated at 60.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	17.00	5.0	18.90	10.0	21.29
15.0	24.18	20.0	27.52	25.0	31.28
30.0	35.40	35.0	39.83	40.0	44.51
45.0	49.38	50.0	54.41	55.0	59.51
60.0	64.66	65.0	69.78	70.0	74.84
75.0	79.78	80.0	84.57	85.0	89.17
90.0	93.54	95.0	97.65	100.0	101.48
105.0	105.00	110.0	108.21	115.0	111.10
120.0	113.65	125.0	115.86	130.0	117.72
135.0	119.24	140.0	120.42	145.0	121.25
150.0	121.74	155.0	121.89	160.0	121.70
165.0	121.17	170.0	120.29	175.0	119.08
180.0	117.51	185.0	115.61	190.0	113.36
195.0	110.77	200.0	107.85	205.0	104.60
210.0	101.03	215.0	97.17	220.0	93.02
225.0	88.63	230.0	84.01	235.0	79.20
240.0	74.24	245.0	69.17	250.0	64.04
255.0	58.90	260.0	53.80	265.0	48.79
270.0	43.93	275.0	39.28	280.0	34.89
285.0	30.81	290.0	27.10	295.0	23.81
300.0	20.98	305.0	18.64	310.0	16.81
315.0	15.46	320.0	14.53	325.0	13.96
330.0	13.65	335.0	13.57	340.0	13.68
345.0	14.01	350.0	14.62	355.0	15.60