

**Goldman Engineering Management  
Auburn, CA**

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KWFP (FM)

APPLICATION FOR NEW ON-CHANNEL BOOSTER

This technical statement and attached exhibits have been prepared on behalf of The Evans Broadcasting Company, Inc, assignee of station KWFP (FM), Channel 221C3, Facility identifier 13528. This application is being filed concurrently with an FCC 301 application to slightly increase the KWFP main power level and slightly extend its 60dBu service contour. This application is being filed on a contingent basis assuming approval of that application.

FACILITIES REQUESTED

The requested facility will operate within the 60dBu contour of KWFP (FM). A map showing the coverage of this booster in relationship to the KWFP signal is shown in Exhibit A. It is noted that the terrain database used is the NED 03 second terrain database. Exhibits B1 and B2 depicts the Distance to Contour Table using the three second database for KWFP Main and Booster. The antenna being used is a Shively 6025 single element, single level log-periodic antenna rotated 45 degrees from vertical to achieve slant H+V polarization. The Azimuth Pattern is attached as Exhibit C.

Booster Location:	“Carson City, NV”
ASR	1025028 (Exhibit D)
Geographic Coordinates (NAD27):	39°12’50” N, 119° 46’ 10” W
Channel:	221 (92.1 MHz)
Effective Radiated Power:	45 W (H+V)
Antenna Type, Pattern:	Shively 6025 log-periodic, 45deg slant
Antenna Orientation:	122° True
Site Height AMSL	1808m
Tower OAGL	33.5m
Antenna Height :	
Above ground:	10.0m
Above mean sea level:	1818.0m

As shown in Exhibit A the 60dBu contour of the booster will fall inside the 60dBu contour of KWFP. The proposed booster is short-spaced to KWYL on the IF frequency 275C, 54 channels removed from the proposed booster. Because the proposed booster will be operating at under 99 watts, this operation is permitted.

#### ENVIRONMENTAL CONSIDERATIONS

The Booster will be attached at the 10m height on an existing 33.5m registered tower, ASR 1025028. Because there will be no modifications to this tower it is exempt from environmental processing under CFR Section 1.1306.

Because the specified ERP is less than 100 watts, RF Exposure evaluation is categorically excluded under 1.1307(b).

The applicant agrees to reduce power or cease operations when it becomes necessary if workers are near the antenna in order to ensure that they will not be exposed to levels of radio frequency electromagnetic radiation that exceed FCC guidelines.

#### CERTIFICATION

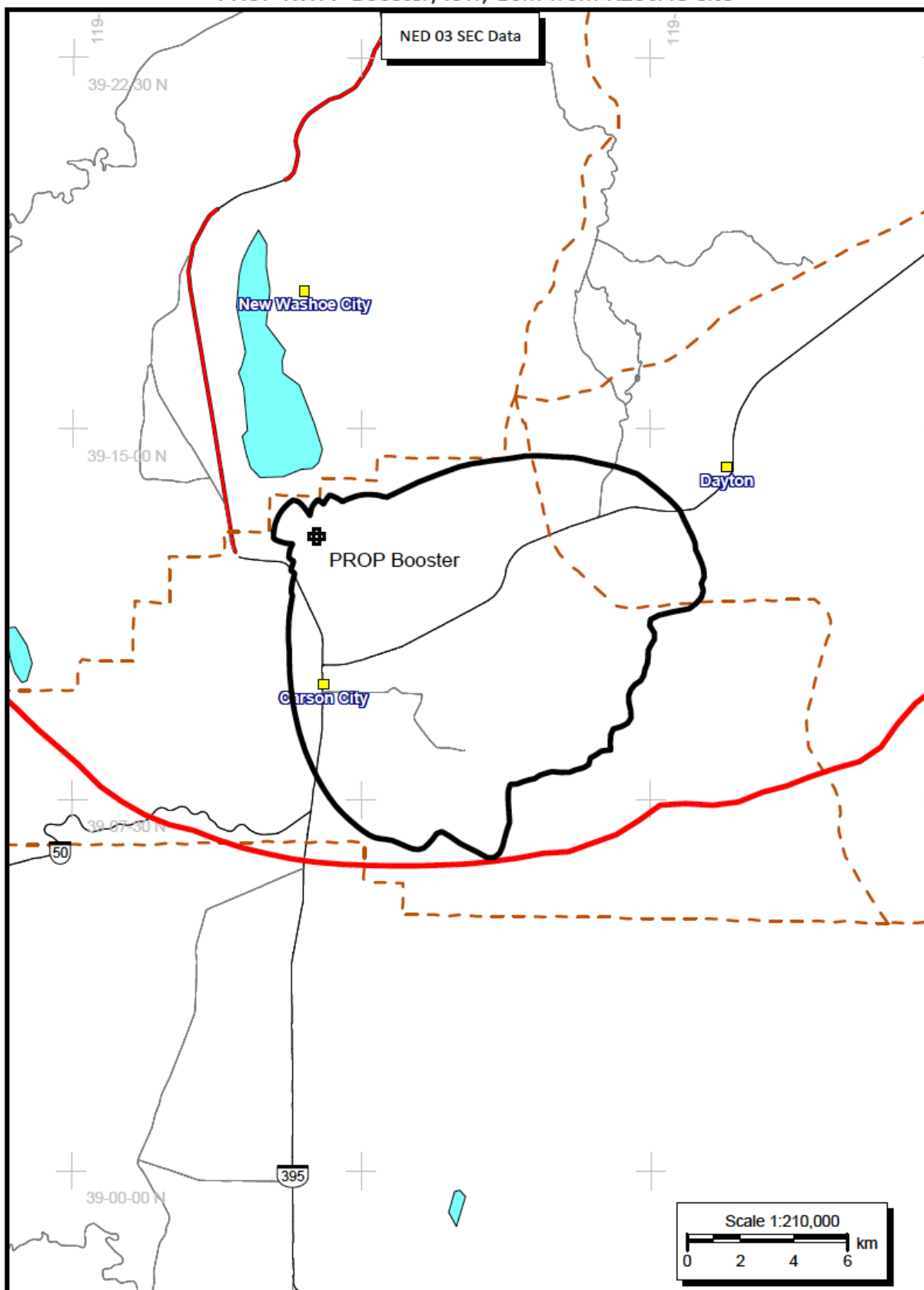
The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direct supervision, and that they are true and correct to the best of his knowledge and belief.

A handwritten signature in cursive script, appearing to read "Bertram S. Goldman".

Bertram S. Goldman  
Goldman Engineering Management

EXHIBIT A- Fill-in Booster Using NED 03 Terrain

PROP KWFP Booster, 45w, 10m from K286AG site



## Exhibit B1- KWFP Main (Proposed, 10.5kW ERP) – Distance to Contour Table

Call Letters: KWFP.A  
 File Number: BPH20160614AAT  
 Latitude: 39-35-03 N  
 Longitude: 119-48-06 W  
 ERP: 10.50 kW  
 Channel: 221  
 Frequency: 92.1 MHz  
 AMSL Height: 1713.0 m  
 Elevation: 1661.0 m  
 HAAT: 153.0 m  
 Horiz. Antenna Pattern: Omni  
 Vert. Elevation Pattern: No

Type of contour: FCC  
 Location Variability: 50.0 %  
 Time Variability: 50.0 %  
 # of Radials Calculated: 360  
 FCC Matching HAAT Calculation Used  
 Field Strength: 60.00 dBuV/m

### Primary Terrain: NED 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)	Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----	-----	-----	-----
0.0	28.11	75.4	46.0	49.39	283.1
1.0	29.34	82.7	47.0	49.04	278.0
2.0	30.83	91.6	48.0	49.18	280.0
3.0	32.09	99.1	49.0	49.32	282.0
4.0	33.07	105.3	50.0	49.33	282.3
5.0	34.05	112.1	51.0	49.30	281.8
6.0	34.91	118.6	52.0	49.13	279.4
7.0	35.29	121.8	53.0	49.03	277.9
8.0	35.72	125.5	54.0	49.01	277.6
9.0	36.09	128.7	55.0	49.19	280.1
10.0	36.43	131.5	56.0	49.05	278.3
11.0	36.53	132.3	57.0	48.75	274.0
12.0	36.45	131.7	58.0	48.42	269.3
13.0	36.14	129.0	59.0	48.33	268.0
14.0	35.70	125.4	60.0	48.51	270.6
15.0	35.10	120.2	61.0	48.45	269.7
16.0	34.15	112.7	62.0	48.41	269.2
17.0	32.81	103.6	63.0	48.08	264.4
18.0	31.63	96.4	64.0	47.99	263.2
19.0	31.28	94.2	65.0	48.01	263.4
20.0	31.87	97.8	66.0	47.95	262.6
21.0	31.92	98.1	67.0	47.85	261.2
22.0	31.55	95.9	68.0	47.79	260.3
23.0	31.98	98.5	69.0	47.77	260.1
24.0	30.42	89.1	70.0	48.05	264.0
25.0	30.04	86.8	71.0	48.27	267.2
26.0	33.77	110.0	72.0	48.22	266.4
27.0	35.24	121.3	73.0	47.98	263.1
28.0	36.74	134.1	74.0	47.86	261.3
29.0	40.24	163.7	75.0	47.87	261.5
30.0	43.31	198.1	76.0	47.76	259.9
31.0	45.35	225.4	77.0	47.64	258.2
32.0	46.56	242.5	78.0	47.61	257.8
33.0	47.20	251.9	79.0	47.66	258.5
34.0	47.82	260.7	80.0	47.64	258.1
35.0	48.25	266.8	81.0	47.40	254.8
36.0	48.59	271.7	82.0	47.04	249.6
37.0	48.92	276.4	83.0	46.77	245.7
38.0	49.31	281.9	84.0	46.30	238.8
39.0	49.50	284.7	85.0	45.96	233.9
40.0	49.59	286.0	86.0	45.76	231.1
41.0	49.63	286.5	87.0	45.73	230.6
42.0	49.63	286.5	88.0	45.50	227.3
43.0	49.56	285.5	89.0	45.45	226.7
44.0	49.50	284.6	90.0	45.38	225.7
45.0	49.45	284.0			

Bearing (deg)	Distance (km)	HAAT (m)	Bearing (deg)	Distance (km)	HAAT (m)
91.0	45.27	224.2	161.0	54.11	354.9
92.0	45.00	220.5	162.0	53.73	348.9
93.0	44.74	217.0	163.0	53.49	345.2
94.0	44.71	216.5	164.0	53.82	350.3
95.0	44.50	213.7	165.0	54.10	354.8
96.0	44.64	215.6	166.0	54.19	356.2
97.0	44.97	220.1	167.0	54.29	357.9
98.0	45.17	222.9	168.0	54.15	355.6
99.0	45.25	223.9	169.0	54.13	355.3
100.0	44.52	214.0	170.0	54.08	354.5
101.0	44.87	218.7	171.0	54.03	353.6
102.0	45.63	229.3	172.0	53.93	352.1
103.0	46.15	236.6	173.0	53.84	350.6
104.0	45.90	233.1	174.0	53.73	348.9
105.0	44.77	217.3	175.0	53.62	347.2
106.0	43.32	198.2	176.0	53.51	345.5
107.0	44.15	209.0	177.0	53.38	343.4
108.0	44.43	212.7	178.0	53.21	340.8
109.0	45.09	221.8	179.0	52.99	337.4
110.0	45.17	222.8	180.0	52.76	333.9
111.0	45.18	223.0	181.0	52.47	329.4
112.0	45.82	231.9	182.0	52.15	324.4
113.0	46.73	245.1	183.0	51.98	321.8
114.0	46.55	242.4	184.0	51.67	317.2
115.0	45.91	233.2	185.0	51.25	310.8
116.0	46.54	242.3	186.0	50.75	303.1
117.0	47.59	257.5	187.0	50.05	292.6
118.0	48.70	273.2	188.0	49.47	284.2
119.0	49.68	287.3	189.0	48.93	276.5
120.0	49.91	290.5	190.0	48.34	268.1
121.0	50.17	294.4	191.0	47.82	260.8
122.0	50.95	306.1	192.0	47.25	252.6
123.0	51.64	316.7	193.0	46.90	247.5
124.0	52.02	322.4	194.0	46.62	243.4
125.0	53.36	343.1	195.0	46.09	235.7
126.0	53.93	352.1	196.0	45.57	228.4
127.0	53.50	345.3	197.0	44.98	220.2
128.0	52.52	330.0	198.0	44.51	213.9
129.0	51.62	316.3	199.0	43.95	206.4
130.0	51.18	309.7	200.0	43.04	194.5
131.0	50.53	299.8	201.0	42.64	189.4
132.0	49.88	290.2	202.0	41.76	178.7
133.0	49.20	280.3	203.0	40.87	169.6
134.0	48.79	274.5	204.0	40.70	167.9
135.0	48.68	272.9	205.0	40.87	169.6
136.0	48.75	274.0	206.0	41.03	171.1
137.0	48.90	276.0	207.0	40.25	163.8
138.0	49.23	280.7	208.0	39.65	158.5
139.0	49.73	288.0	209.0	39.27	155.2
140.0	49.99	291.7	210.0	38.31	147.2
141.0	50.06	292.8	211.0	37.75	142.5
142.0	50.42	298.2	212.0	37.78	142.7
143.0	50.83	304.3	213.0	38.23	146.5
144.0	50.90	305.4	214.0	39.51	157.3
145.0	51.04	307.5	215.0	40.26	163.8
146.0	50.89	305.3	216.0	40.48	165.9
147.0	51.61	316.2	217.0	41.41	175.0
148.0	51.96	321.5	218.0	42.86	192.3
149.0	52.44	329.0	219.0	42.10	182.8
150.0	52.97	337.1	220.0	39.73	159.2
151.0	53.48	344.9	221.0	39.48	157.0
152.0	53.62	347.2	222.0	40.45	165.6
153.0	53.99	353.0	223.0	41.13	172.1
154.0	54.49	361.2	224.0	41.77	178.9
155.0	54.64	363.5	225.0	42.11	182.9
156.0	54.49	361.1	226.0	42.16	183.5
157.0	54.40	359.7	227.0	42.21	184.2
158.0	54.39	359.5	228.0	42.43	186.9
159.0	54.28	357.7	229.0	42.58	188.8
160.0	54.31	358.1	230.0	42.21	184.2

Bearing (deg)	Distance (km)	HAAT (m)	Bearing (deg)	Distance (km)	HAAT (m)
231.0	42.27	184.9			
232.0	42.60	189.0	301.0	36.22	129.8
233.0	42.81	191.6	302.0	36.02	128.0
234.0	42.35	185.9	303.0	36.48	131.9
235.0	41.95	181.0	304.0	37.74	142.4
236.0	40.91	169.9	305.0	38.39	147.8
237.0	40.09	162.3	306.0	38.53	149.0
238.0	39.27	155.2	307.0	38.95	152.5
239.0	38.03	144.8	308.0	39.53	157.5
240.0	36.72	133.9	309.0	39.99	161.5
241.0	35.74	125.7	310.0	40.23	163.6
242.0	35.22	121.2	311.0	40.48	165.9
243.0	34.29	113.8	312.0	40.59	166.9
244.0	33.17	105.9	313.0	40.65	167.5
245.0	31.67	96.6	314.0	40.73	168.2
246.0	29.88	85.9	315.0	40.99	170.8
247.0	27.23	70.2	316.0	41.20	172.8
248.0	23.80	51.5	317.0	41.16	172.4
249.0	18.66	31.2	318.0	41.29	173.7
250.0	18.35	9.2	319.0	41.32	174.0
251.0	18.35	-16.2	320.0	41.26	173.4
252.0	18.35	-39.0	321.0	41.20	172.8
253.0	18.35	-65.3	322.0	41.19	172.8
254.0	18.35	-91.0	323.0	41.27	173.6
255.0	18.35	-111.8	324.0	41.45	175.4
256.0	18.35	-139.5	325.0	41.51	176.0
257.0	18.35	-166.4	326.0	41.44	175.2
258.0	18.35	-186.8	327.0	41.34	174.2
259.0	18.35	-208.5	328.0	41.26	173.4
260.0	18.35	-233.1	329.0	41.24	173.3
261.0	18.35	-246.1	330.0	41.14	172.3
262.0	18.35	-258.9	331.0	40.96	170.4
263.0	18.35	-270.0	332.0	40.76	168.5
264.0	18.35	-280.1	333.0	40.62	167.2
265.0	18.35	-294.7	334.0	40.41	165.2
266.0	18.35	-305.1	335.0	40.23	163.6
267.0	18.35	-309.0	336.0	40.12	162.6
268.0	18.35	-303.7	337.0	39.91	160.7
269.0	18.35	-279.6	338.0	39.34	155.8
270.0	18.35	-264.5	339.0	38.66	150.1
271.0	18.35	-268.5	340.0	37.70	142.1
272.0	18.35	-270.8	341.0	36.90	135.4
273.0	18.35	-267.9	342.0	36.02	128.1
274.0	18.35	-267.2	343.0	35.21	121.1
275.0	18.35	-266.0	344.0	35.00	119.3
276.0	18.35	-262.6	345.0	35.20	121.1
277.0	18.35	-257.8	346.0	35.42	122.9
278.0	18.35	-244.1	347.0	35.00	119.3
279.0	18.35	-227.9	348.0	35.18	120.9
280.0	18.35	-206.0	349.0	35.22	121.2
281.0	18.35	-182.3	350.0	35.48	123.5
282.0	18.35	-158.3	351.0	35.62	124.7
283.0	18.35	-129.4	352.0	34.92	118.7
284.0	18.35	-99.5	353.0	33.33	107.0
285.0	18.35	-70.5	354.0	31.77	97.2
286.0	18.35	-45.4	355.0	30.05	86.9
287.0	18.35	-21.4	356.0	28.81	79.6
288.0	18.35	3.0	357.0	27.20	70.1
289.0	18.35	25.2	358.0	26.74	67.3
290.0	23.25	49.0	359.0	27.04	69.1
291.0	27.41	71.3			
292.0	30.27	88.2			
293.0	32.87	104.0			
294.0	34.61	116.3			
295.0	35.42	122.9			
296.0	35.20	121.0			
297.0	34.90	118.6			
298.0	35.20	121.0			
299.0	35.43	123.0			
300.0	35.69	125.2			

## EXHIBIT B2- KFWP PROP BOOSTER Distance to Contour Table

Call Letters: KWFP-1.A  
 File Number: BNPFTB20160614AAU  
 Latitude: 39-12-50 N  
 Longitude: 119-46-10 W  
 ERP: 0.046 kW  
 Channel: 221  
 Frequency: 92.1 MHz  
 AMSL Height: 1811.0 m  
 Elevation: 1801.0 m  
 HAAT: 0.0 m  
 Horiz. Antenna Pattern: Directional  
 Vert. Elevation Pattern: No

Type of contour: FCC  
 Location Variability: 50.0 %  
 Time Variability: 50.0 %  
 # of Radials Calculated: 72  
 FCC Matching HAAT Calculation Used  
 Field Strength: 60.00 dBuV/m

### Primary Terrain: NED 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)	Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----	-----	-----	-----
0.0	2.09	226.4	46.0	2.36	-168.9
1.0	2.20	217.7	47.0	2.40	-148.7
2.0	2.30	208.8	48.0	2.45	-133.8
3.0	2.40	200.6	49.0	2.49	-118.4
4.0	2.51	202.6	50.0	2.53	-109.5
5.0	2.61	199.3	51.0	2.58	-101.0
6.0	2.66	193.7	52.0	2.63	-87.8
7.0	2.70	179.8	53.0	2.68	-72.6
8.0	2.74	159.9	54.0	2.73	-58.8
9.0	2.79	159.3	55.0	2.78	-45.5
10.0	2.83	154.8	56.0	2.83	-32.8
11.0	2.77	151.6	57.0	2.87	-20.9
12.0	2.71	140.7	58.0	2.92	-8.3
13.0	2.65	132.6	59.0	2.97	1.5
14.0	2.59	129.6	60.0	3.01	5.7
15.0	2.53	125.6	61.0	3.68	23.1
16.0	2.40	113.9	62.0	4.34	51.7
17.0	2.27	99.6	63.0	5.01	72.2
18.0	2.15	86.1	64.0	5.68	96.4
19.0	2.02	71.3	65.0	6.34	110.6
20.0	1.89	58.2	66.0	6.82	123.6
21.0	1.83	51.7	67.0	7.30	137.5
22.0	1.78	53.0	68.0	7.78	151.0
23.0	1.72	33.6	69.0	8.26	169.8
24.0	1.67	17.7	70.0	8.74	182.5
25.0	1.61	6.2	71.0	9.10	193.2
26.0	1.61	-18.9	72.0	9.47	204.7
27.0	1.62	-34.8	73.0	9.84	220.2
28.0	1.62	-48.5	74.0	10.21	230.8
29.0	1.62	-62.5	75.0	10.57	239.6
30.0	1.62	-83.1	76.0	10.89	252.1
31.0	1.67	-101.3	77.0	11.21	265.0
32.0	1.72	-128.1	78.0	11.53	274.9
33.0	1.77	-155.7	79.0	11.85	285.5
34.0	1.82	-180.9	80.0	12.18	289.6
35.0	1.87	-208.8	81.0	12.38	293.2
36.0	1.91	-231.0	82.0	12.58	298.0
37.0	1.95	-253.5	83.0	12.78	302.7
38.0	1.99	-267.1	84.0	12.98	308.5
39.0	2.03	-272.9	85.0	13.18	312.8
40.0	2.07	-270.4	86.0	13.31	316.5
41.0	2.12	-258.5	87.0	13.44	316.0
42.0	2.17	-241.1	88.0	13.57	316.2
43.0	2.22	-218.1	89.0	13.69	316.6
44.0	2.27	-197.1	90.0	13.82	317.9
45.0	2.32	-181.1			

Bearing (deg)	Distance (km)	HAAT (m)	Bearing (deg)	Distance (km)	HAAT (m)
91.0	13.91	317.9			
92.0	14.00	314.7	161.0	12.62	336.1
93.0	14.08	317.4	162.0	12.58	344.3
94.0	14.17	320.1	163.0	12.55	348.6
95.0	14.26	321.3	164.0	12.51	348.5
96.0	14.24	320.2	165.0	12.47	349.1
97.0	14.22	313.7	166.0	12.42	350.6
98.0	14.21	315.6	167.0	12.37	356.8
99.0	14.19	311.2	168.0	12.31	365.3
100.0	14.17	301.8	169.0	12.26	374.6
101.0	13.86	289.3	170.0	12.21	380.3
102.0	13.55	263.4	171.0	12.06	383.1
103.0	13.24	244.3	172.0	11.91	384.1
104.0	12.93	233.0	173.0	11.76	383.6
105.0	12.62	233.3	174.0	11.61	383.2
106.0	12.69	242.1	175.0	11.46	382.8
107.0	12.75	243.3	176.0	11.25	381.7
108.0	12.82	240.1	177.0	11.03	378.3
109.0	12.89	237.9	178.0	10.82	373.6
110.0	12.95	240.0	179.0	10.60	370.1
111.0	12.95	241.3	180.0	10.39	364.7
112.0	12.94	240.1	181.0	10.14	359.8
113.0	12.94	241.8	182.0	9.90	356.0
114.0	12.93	241.0	183.0	9.66	348.8
115.0	12.93	235.4	184.0	9.41	337.8
116.0	13.04	233.3	185.0	9.17	326.9
117.0	13.14	234.3	186.0	8.83	312.8
118.0	13.25	239.0	187.0	8.49	298.5
119.0	13.36	247.1	188.0	8.16	283.9
120.0	13.47	252.6	189.0	7.82	270.1
121.0	13.43	252.2	190.0	7.48	257.5
122.0	13.39	247.0	191.0	7.20	243.9
123.0	13.36	240.1	192.0	6.93	228.0
124.0	13.32	242.8	193.0	6.65	205.4
125.0	13.28	249.2	194.0	6.37	194.8
126.0	13.27	257.1	195.0	6.09	192.8
127.0	13.25	248.6	196.0	5.90	185.9
128.0	13.23	246.8	197.0	5.71	177.3
129.0	13.21	244.2	198.0	5.51	171.7
130.0	13.20	249.6	199.0	5.32	165.1
131.0	13.02	247.4	200.0	5.13	155.6
132.0	12.85	242.4	201.0	5.04	151.1
133.0	12.68	240.1	202.0	4.96	149.9
134.0	12.51	233.3	203.0	4.88	155.0
135.0	12.34	224.8	204.0	4.79	160.4
136.0	12.25	222.1	205.0	4.71	157.1
137.0	12.17	220.3	206.0	4.46	152.3
138.0	12.08	221.0	207.0	4.21	141.5
139.0	12.00	218.6	208.0	3.97	131.6
140.0	11.92	217.1	209.0	3.72	118.7
141.0	12.04	216.6	210.0	3.47	102.6
142.0	12.16	212.7	211.0	3.13	80.7
143.0	12.28	221.7	212.0	2.79	48.9
144.0	12.40	236.7	213.0	2.45	13.5
145.0	12.52	254.8	214.0	2.11	-17.8
146.0	12.78	274.2	215.0	1.77	-54.4
147.0	13.04	286.1	216.0	1.74	-84.6
148.0	13.30	300.4	217.0	1.71	-111.5
149.0	13.56	316.4	218.0	1.67	-148.1
150.0	13.82	329.6	219.0	1.64	-175.7
151.0	13.64	337.0	220.0	1.61	-195.8
152.0	13.45	336.2	221.0	1.61	-220.8
153.0	13.27	325.5	222.0	1.61	-250.8
154.0	13.08	317.0	223.0	1.61	-281.6
155.0	12.89	308.7	224.0	1.61	-306.5
156.0	12.85	296.0	225.0	1.61	-326.8
157.0	12.80	287.9	226.0	1.61	-340.4
158.0	12.75	294.6	227.0	1.61	-355.3
159.0	12.70	309.5	228.0	1.61	-368.2
160.0	12.66	323.3	229.0	1.61	-374.6
			230.0	1.61	-381.4

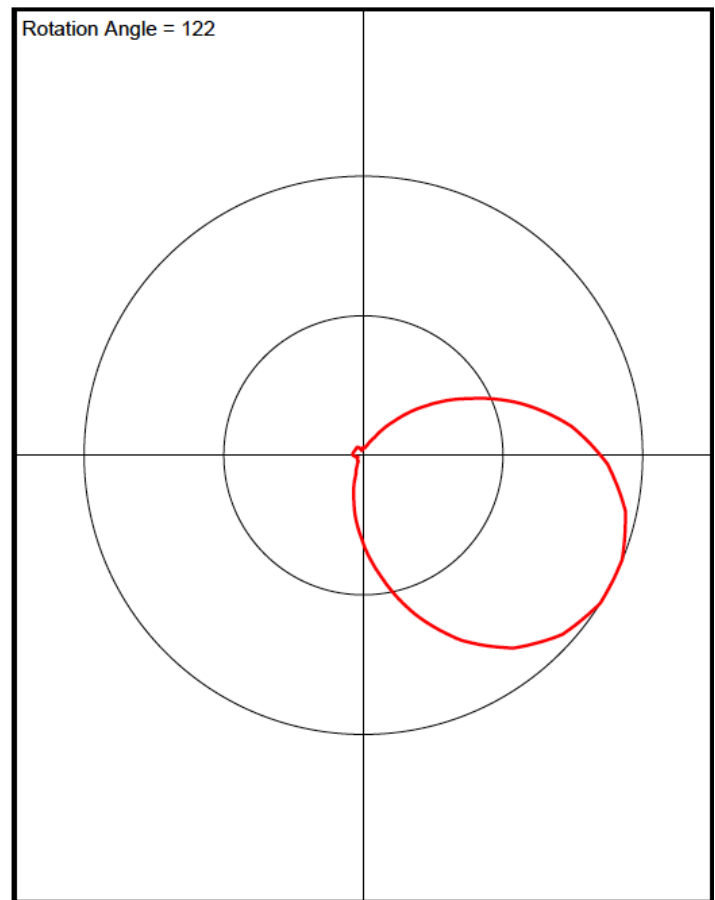
Bearing (deg)	Distance (km)	HAAT (m)	Bearing (deg)	Distance (km)	HAAT (m)
231.0	1.61	-381.9			
232.0	1.61	-380.6	301.0	1.61	-175.5
233.0	1.61	-377.8	302.0	1.61	-176.5
234.0	1.61	-386.3	303.0	1.61	-185.0
235.0	1.61	-396.3	304.0	1.61	-191.6
236.0	1.61	-397.9	305.0	1.61	-194.6
237.0	1.61	-403.8	306.0	1.61	-194.8
238.0	1.61	-408.0	307.0	1.61	-190.9
239.0	1.61	-423.7	308.0	1.61	-181.1
240.0	1.61	-430.2	309.0	1.61	-165.6
241.0	1.61	-428.7	310.0	1.61	-154.7
242.0	1.61	-418.7	311.0	1.61	-142.8
243.0	1.61	-406.1	312.0	1.61	-129.1
244.0	1.61	-401.4	313.0	1.61	-123.2
245.0	1.61	-384.8	314.0	1.61	-127.8
246.0	1.61	-372.7	315.0	1.61	-124.9
247.0	1.61	-362.0	316.0	1.61	-117.4
248.0	1.61	-353.1	317.0	1.61	-104.7
249.0	1.61	-347.6	318.0	1.61	-100.3
250.0	1.61	-345.3	319.0	1.61	-87.6
251.0	1.61	-345.5	320.0	1.61	-72.5
252.0	1.61	-350.7	321.0	1.61	-49.3
253.0	1.61	-352.2	322.0	1.61	-27.2
254.0	1.61	-356.1	323.0	1.61	-2.9
255.0	1.61	-356.1	324.0	1.61	20.6
256.0	1.61	-356.2	325.0	1.61	39.1
257.0	1.61	-350.3	326.0	1.77	52.9
258.0	1.61	-339.7	327.0	1.93	69.9
259.0	1.61	-336.1	328.0	2.08	87.3
260.0	1.61	-336.0	329.0	2.24	103.5
261.0	1.61	-334.0	330.0	2.40	117.8
262.0	1.61	-325.1	331.0	2.50	129.5
263.0	1.61	-312.9	332.0	2.60	139.2
264.0	1.61	-301.7	333.0	2.70	146.2
265.0	1.61	-293.3	334.0	2.80	154.5
266.0	1.61	-274.2	335.0	2.90	164.2
267.0	1.61	-254.5	336.0	3.01	174.8
268.0	1.61	-239.9	337.0	3.13	186.2
269.0	1.61	-224.6	338.0	3.24	198.1
270.0	1.61	-213.9	339.0	3.36	212.6
271.0	1.61	-201.2	340.0	3.47	221.5
272.0	1.61	-188.9	341.0	3.52	228.4
273.0	1.61	-184.0	342.0	3.56	233.2
274.0	1.61	-175.8	343.0	3.61	239.0
275.0	1.61	-171.0	344.0	3.65	243.9
276.0	1.61	-165.6	345.0	3.70	248.4
277.0	1.61	-172.0	346.0	3.73	251.7
278.0	1.61	-177.4	347.0	3.77	253.3
279.0	1.61	-181.3	348.0	3.80	258.3
280.0	1.61	-178.5	349.0	3.83	259.6
281.0	1.61	-170.2	350.0	3.87	261.7
282.0	1.61	-153.4	351.0	3.71	258.2
283.0	1.61	-140.8	352.0	3.55	255.0
284.0	1.61	-133.4	353.0	3.39	254.6
285.0	1.61	-130.0	354.0	3.24	261.4
286.0	1.61	-129.0	355.0	3.08	264.8
287.0	1.61	-128.0	356.0	2.88	264.5
288.0	1.61	-126.0	357.0	2.68	258.6
289.0	1.61	-128.2	358.0	2.49	247.1
290.0	1.61	-130.9	359.0	2.29	237.2
291.0	1.61	-136.9			
292.0	1.61	-139.5			
293.0	1.61	-143.7			
294.0	1.61	-147.1			
295.0	1.61	-149.4			
296.0	1.61	-154.7			
297.0	1.61	-158.5			
298.0	1.61	-164.9			
299.0	1.61	-173.3			
300.0	1.61	-175.3			

# EXHIBIT C- Antenna Pattern

## KWFP Booster Antenna

Pre-Rotation Antenna Pattern....

Azimuth (deg)	Relative Field
0.0	1.0
5.0	0.9795
10.0	0.959
15.0	0.9175
20.0	0.876
25.0	0.8135
30.0	0.751
35.0	0.6745
40.0	0.598
45.0	0.516
50.0	0.434
55.0	0.361
60.0	0.288
65.0	0.2265
70.0	0.165
75.0	0.1175
80.0	0.07
85.0	0.0555
90.0	0.041
95.0	0.034
100.0	0.027
105.0	0.0275
110.0	0.028
115.0	0.026
120.0	0.024
125.0	0.022
130.0	0.02
135.0	0.025
140.0	0.03
145.0	0.0345
150.0	0.039
155.0	0.0385
160.0	0.038
165.0	0.037
170.0	0.036
175.0	0.0355
180.0	0.035
185.0	0.035
190.0	0.035
195.0	0.036
200.0	0.037
205.0	0.034
210.0	0.031
215.0	0.024
220.0	0.017
225.0	0.0205
230.0	0.024
235.0	0.0265
240.0	0.029
245.0	0.0275
250.0	0.026
255.0	0.0335
260.0	0.041
265.0	0.058
270.0	0.075
275.0	0.1195
280.0	0.164
285.0	0.227
290.0	0.29
295.0	0.3615
300.0	0.433
305.0	0.515
310.0	0.597
315.0	0.674



320.0	0.751
325.0	0.8125
330.0	0.874
335.0	0.9165
340.0	0.959
345.0	0.979
350.0	0.999
355.0	0.9995

## Registration 1025028

 [Map Registration](#)

### Registration Detail

Reg Number	1025028	Status	Constructed
File Number	A0816387	Constructed	07/01/1995
EMI	No	Dismantled	
NEPA	No		

### Antenna Structure

Structure Type POLE - Any type of Pole

#### Location (in NAD83 Coordinates)

Lat/Long	39-12-49.8 N 119-46-13.6 W	Address	250 Conestoga Drive (Sugarloaf #8737)
City, State	Carson City , NV	County	CARSON CITY
Zip	89706	Position of Tower in Array	
Center of AM Array			

#### Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
1808.3	33.5
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
1841.8	30.5

#### Painting and Lighting Specifications

None

#### FAA Notification

FAA Study	2005-AWP-696-OE	FAA Issue Date	02/10/2005
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### Owner & Contact Information

FRN	0011498342	Owner Entity Type	Limited Liability Company
Assignor FRN	0005885231	Assignor ID	L00008376

#### Owner

American Towers, LLC. Attention To: Regulatory Compliance FAA FCC 10 Presidential Way Woburn , MA 01801	P: (678)564-3236 F: E: faa-fcc@americantower.com
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#### Contact

Attention To: FAA FCC 10 Presidential Way Woburn , MA 01801	P: (678)564-3236 F: E: faa-fcc@americantower.com
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### Last Action Status

Status	Constructed	Received	01/15/2013
Purpose	Change Owner	Entered	01/15/2013