

**Goldman Engineering Management
Auburn, CA**

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 (terrain from NED 03 second terrain database). 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 D.

Booster Location:	“Carson City, NV”
ASR	N/A (not registered)
Geographic Coordinates (NAD27):	39°12’50” N, 119° 46’ 10” W
Channel:	221 (92.1 MHz)
Effective Radiated Power:	46 W (H+V)
Antenna Type, Pattern:	Shively 6025 log-periodic, 45deg slant
Antenna Orientation:	120° True
Site Height AMSL	1801m
Tower OAGL	25m
Antenna Height :	
Above ground:	10.0m
Above mean sea level:	1811.0m

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 25m non-registered tower. 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.



Bertram S. Goldman
Goldman Engineering Management

EXHIBIT A

PROP KWFP Booster, 46w, 10m AGL

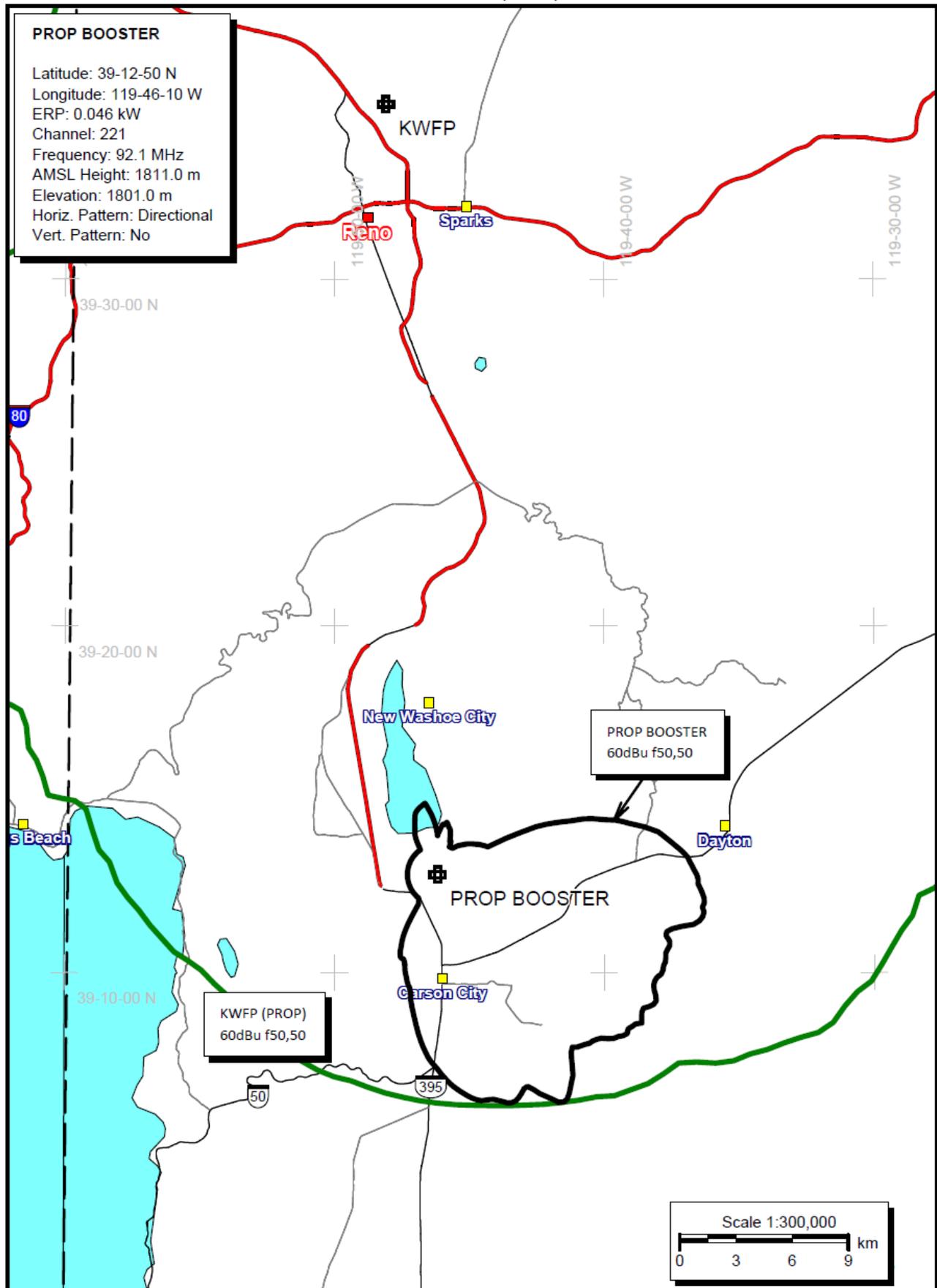
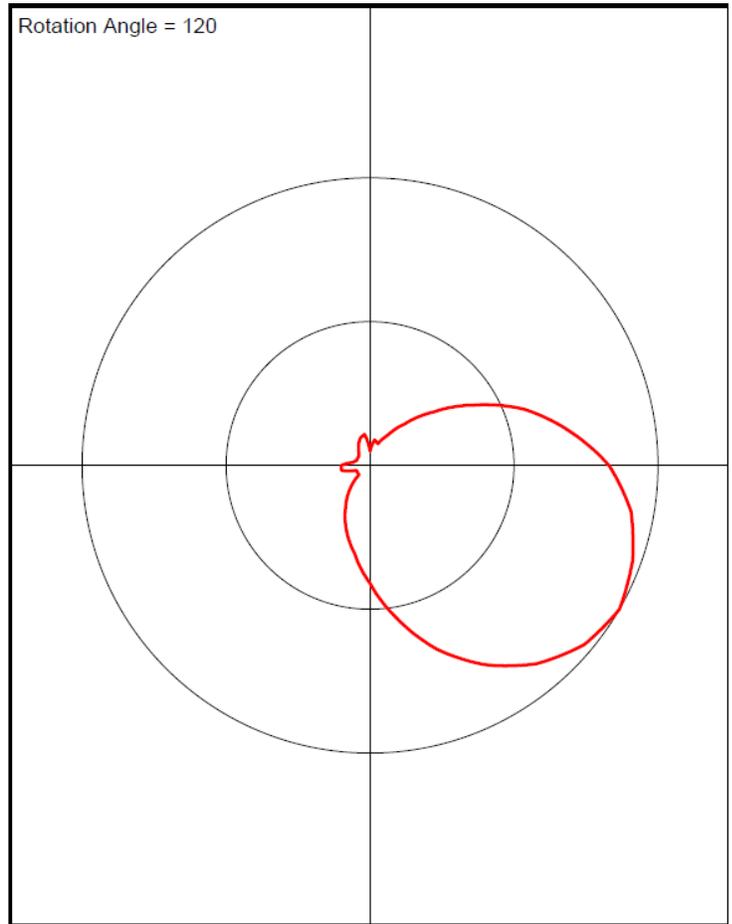


EXHIBIT B- Antenna Pattern
PROP KWFP ANTENNA PATTERN

Pre-Rotation Antenna Pattern....

Azimuth (deg)	Relative Field
0.0	1.0
5.0	0.985
10.0	0.97
15.0	0.935
20.0	0.9
25.0	0.85
30.0	0.8
35.0	0.74
40.0	0.68
45.0	0.61
50.0	0.54
55.0	0.475
60.0	0.41
65.0	0.36
70.0	0.31
75.0	0.275
80.0	0.24
85.0	0.205
90.0	0.17
95.0	0.14
100.0	0.11
105.0	0.08
110.0	0.05
115.0	0.05
120.0	0.05
125.0	0.05
130.0	0.05
135.0	0.075
140.0	0.1
145.0	0.1
150.0	0.1
155.0	0.08
160.0	0.06
165.0	0.055
170.0	0.05
175.0	0.05
180.0	0.05
185.0	0.05
190.0	0.05
195.0	0.055
200.0	0.06
205.0	0.07
210.0	0.08
215.0	0.09
220.0	0.1
225.0	0.105
230.0	0.11
235.0	0.08
240.0	0.05
245.0	0.07
250.0	0.09
255.0	0.085
260.0	0.08
265.0	0.1
270.0	0.12
275.0	0.155
280.0	0.19
285.0	0.24
290.0	0.29
295.0	0.355
300.0	0.42
305.0	0.495
310.0	0.57
315.0	0.635



320.0	0.7
325.0	0.765
330.0	0.83
335.0	0.875
340.0	0.92
345.0	0.945
350.0	0.97
355.0	0.985