

KNHC-FM 208C1 Seattle, Washington
Modification of Directional Antenna Envelope Pattern

As is noted in the attached antenna proof of performance report from Shively Labs, the RMS of the measured KNHC directional antenna pattern is less than 85% of the RMS of the envelope pattern specified in BPED-20000918AGG.

Pursuant to the procedure permitted by Section 73.1690(c)(2) (ii) of the Commission's Rules, this license application specifies a new envelope pattern for KNHC which reduces the envelope pattern in order to bring the measured pattern into compliance with the 85% RMS requirement. The Shively report includes a statement confirming that the new envelope pattern is in compliance with the 85% RMS requirement.

The new envelope pattern does not exceed the previously-authorized envelope pattern at any azimuth.

The new envelope pattern is shown in the attached table:

Azimuth	Rel Field
0	1.000
10	1.000
20	1.000
30	1.000
40	1.000
50	1.000
60	1.000
70	1.000
80	0.794
90	0.631
100	0.501
110	0.398
120	0.316
130	0.316
140	0.316
150	0.251
160	0.224
170	0.224

Azimuth	Rel Field
180	0.224
190	0.224
200	0.224
210	0.282
220	0.355
230	0.447
240	0.562
250	0.708
260	0.891
270	1.000
280	1.000
290	1.000
300	1.000
310	1.000
320	1.000
330	1.000
340	1.000
350	1.000
Extra Azimuth	Rel Field
265	1.000