

Modified Form 302-FM
For WSEW at Sanford, Maine

Technical Statement

This application proposes a slight modification to the WSEW licensed directional antenna pattern consisting of a decrease in ERP along nine azimuths. No physical changes are proposed.

The modification consists of a slight reduction of the DA field values along the nine azimuths beginning at 80 degrees True through 160 degrees True, as shown below. No DA field values are increased, and no field values are modified other than those show below:

WSEW Modified DA Field Values

<u>Azimuth</u>	<u>Licensed</u>	<u>Modified</u>
80	0.203	0.178
90	0.255	0.190
100	0.321	0.239
110	0.404	0.301
120	0.509	0.379
130	0.640	0.477
140	0.774	0.600
150	0.888	0.750
160	1.000	0.930

The complete licensed DA pattern (File No. BLED-20110801AKY, which covers Construction Permit File No. BMPED-20110111AAB) and modified DA pattern are provided in Figure 1. The modified DA pattern adheres to the requirements of Sections 73.510 and 73.316(b) of the Commission's Rules pertaining to directional antennas. It also more closely conforms to the Antenna Proof as filed with the most recent granted Form 302-FM (BLED-20110801AKY). The antenna proof is attached hereto for reference.

Because the authorized DA composite envelope is slightly reduced but the measured composite azimuth pattern is unchanged, the RMS pattern continues to meet the 85% minimum RMS fill requirement of Section 73.316(c)(2)(ix)(A) and no new antenna proof is being submitted.

As shown in Figure 2, the 60 dBu service contour continues to encompass the community of license.

Respectfully submitted,



Dennis Jackson
October 25, 2013

Figure 2 – Community Coverage

60 dBu Service Contour continues to cover Sanford, Maine.

