

W221EQ is not yet in condition to begin operation due to the fact that the transmitting antenna was found to be defective, and cannot be installed in its present form, as ground testing shows that the elements do not present an acceptable load to the transmitter. It is being returned to the factory for repair or replacement.

A review of the directional pattern listed in the LMS database found that that tabulation bears no relation to any applications or amendments for W221EQ and if implemented would produce prohibited overlap to WIKG, Mercersberg, PA. The description of the main lobe directions, etc. printed on the Construction Permit are accurate, however.

Form 302 has been filled in with the corrected values.

In order to demonstrate that the permittee has substantially completed the construction of the translator station, a series of photographs showing the equipment and installation of the translator.

The photograph 1 shows the complete transmitter receiver package operating into a dummy load on the assigned frequency, and the receiver tuned to the relay translator frequency and receiving a signal.

Photograph 2 shows the Power divider to the elements of the Moxon antenna, the receiving log periodic antenna, the transmission cables and the lightning protector.

Photograph 3 shows one of the Moxon antenna elements that have failed to perform.

The permittee will work with the manufacturer to have the antenna repaired in a timely manner, or failing that, acquire an alternative antenna from a different manufacturer.

The permittee discovered the failure of the antenna element(s) this week and had to cancel the tower crew that was scheduled to install the antenna and cable.

These developments are clearly beyond the control of the permittee, and it requests FCC forbearance in acting on this license application for 30 days to effect repair or replacement of the antenna and installation by a tower crew, and perfect this application by amendment.

May 29, 2023