

Explanation of Proposed Operation

Western Geophysical company (Western Geophysical) is engaged in seismic surveying for customers in the petroleum industry. In addition to equipment purchased from other sources, Western Geophysical designs and builds its own geophysical and data transmission equipment.

As offshore seismic surveying methods become more sophisticated, there is an increasing need for transmission of high speed data between tail buoys on the end of a seismic cable and the mother ship. Western Geophysical is developing new equipment and techniques for this purpose. Western Geophysical requests authorization to operate in the range 932.0-932.35 MHz and 941.0-941.35 MHz. A range of frequencies is requested to ensure that harmful interference will not be caused to nor received from other sources. These frequencies are currently allocated under Part 94 of the Commission's Rules for multiple address system operations. However, due to the large number of applications that were filed during the filing window for such applications, it is unlikely that any authorization will be issued or stations licensed in the near future.

Western Geophysical is currently authorized to operate this system under call sign KN2XAK. The purpose of this application is to increase the authorized bandwidth, due to the need for transmission of higher speed data.