

The tool we are submitting for a license is a down-hole oil exploration device which measured the resistivity of the geological formation. It does this by transmitting 2MHz and 400 KHz (one at a time) into the formation and measures the phase shift and amplitudes of the received signal at 2 receivers about 4 feet away. In this design there is no modulation of the signal since we only care about the fundamental frequency as received at the 2 receivers. This tool is used down-hole so no detectable radiation makes it to the surface during actual use but to manufacture and calibrate of the tool we need to operate at our factory. It is for this manufacture portion of the process that we are requesting a license.

We recognize the experimental license is not a good fit with the product we are manufacturing but in discussions with our consultants this approach appears to be the best candidate to ensuring we comply with FCC regulations. If it is determined that this experimental license is not appropriate, we would welcome the opportunity to discuss a more relevant approach.