

APPLICATION FOR RENEWAL OF AUTHORITY

AJ Medical Devices ("AJ Medical") herein seeks renewal of its existing experimental authority, under Call Sign WE2XKD, to continue to operate 36 unique Medical Implant Communications Service (MICS) devices. AJ Medical is seeking a twenty-four (24) month renewal of its license.

As it noted in its initial application for experimental authority, AJ Medical's request for experimental authority is supported by good cause. AJ Medical has been exploring the development of a cardiac arrest monitor and alarm that detects ventricular fibrillation or asystole and transmits an alarm signal and ECG. The unit comprises of two elements. The first element is an implanted patient monitor containing a transceiver that transmits automatically in the event of a medical emergency, and by patient activation for non-emergency and system testing, to a second device, which is an external transceiver (pocket receiver) located within a few meters of the patient. The pocket receiver itself receives the transmission from the implant and, in return, transmits to it, for programming and for activating the implant's transmission in the patient activation mode. Clear channel access scanning is performed by the pocket receiver before it transmits to the implant to enable its transmission in the patient-activated mode. These devices operate at extremely low power of just 25 uW.

AJ Medical has made good progress in its experimentation. However, its testing is not completed and AJ Medical thus herein seeks authority to use its medical implant and associated receiver devices for up to twenty-four (24) months in additional clinical trials. The information garnered from the operation of these devices will permit AJ Medical to improve performance of the devices, enabling the company to continue to make modifications to its MICS chips before brining them to full production.