

Test Report (Listen Before Talk)

In our system, the Model 4100 implant units are slaves; they do not initiate transmission on the 402-405MHz channel without being told to by a base station unit such as our Programmer. The implant (Model 4100) obtains a pre-screened channel ID from a wake-up packet sent on the 2.45GHz wakeup frequency. In the case of an emergency transmission initiated from the implant, the capability must be a requirement and programmed in, but there is no such requirement or capability for EBR implants to initiate an emergency transmission. The Model 4100 units do not transmit on the 2.45GHz channel, just receive. In other words, the implants are not required to do an LBT since the Programmer has already done clear channel assessment and passed the channel to the implant on the 2.45GHz wakeup frequency and since the Model 4100 never initiates an emergency transmission.