

## **The Purpose of Modification**

**Call Sign: WJ2XJX**

**Application File Number: 0304-EX-CM-2019**

- **The Modification**

The modifications to the application with Call Sign: WJ2XJX Application File Number: 0304-EX-CM-2019 (original File Number:0269-EX-CN-2018) are as the following:

1. The frequencies of the transmitters used in all three locations have been changed from: 3.3GHz-3.8GHz to 3.2GHz-3.8GHz.

- **The Purpose of Modification**

1. The purpose of the frequency modification is: the transmitter uses a customer ASIC for transmitting very low power FSK RF signal (<1mW at the transmitter antenna input). The carrier frequency can be adjustable to be limited to the frequency range as requested. Due to ASIC fabrication process variation, we measured and found that the 2<sup>nd</sup> batch of the ASIC frequency has shifted slightly from 3.3GHz to 3.2GHz, a 3% change. We would like to accommodate this change in our FCC OET experimental license for the BrainGate2 project IRB approval.