

Description

NGSC requests an experimental license to test an Enerdyne Enerlinks II Datalink in a proprietary configuration as part of a non-contractual test activity project to develop innovative systems for the U.S. military and other government national security customers. The requested authorization would be used for intermittent fixed/base and airborne mobile experimental testing on one frequency in each of the L and S Bands for a period of two years.

The requested authorization for Melbourne, Florida, is similar to that earlier granted under call sign WE2XOZ (FCC File No. 0111-EX-ML-2010 etc.) for Melbourne and additional locations. While NGSC requests the same specific frequencies of 1760 and 2305 MHz as were granted under WE2XOZ, NGSC can utilize any frequency in the 2200 to 2400 MHz range for fixed/base operations and any frequency in the 1710 to 1850 MHz range for airborne mobile operations.

The fixed/base operations will utilize an Enerdyne Enerlinks II Datalink and 18 dBm directional 2-Axis, steerable tracking antenna on a portable mast with a height of 10 meters. The transmissions will be centered at 2305 MHz, with a peak output power of 20 watts and a peak Effective Radiated Power (ERP) of 796 Watts. The modulation will be FSK and the Emission Designator will be 5M00F2C.

The airborne mobile operations will be located within a 250 kilometer radius of the fixed/base location, flying at a maximum altitude of 6,100 meters (20,000 feet) utilizing an Enerdyne Enerlinks II Datalink and a 4 dBm omnidirectional antenna mounted on the aircraft. The transmissions will be centered at 1760 MHz, with a peak output power of 20 Watts and peak ERP of 32 Watts. The modulation will be FSK, and the Emission Designator will be 5M00F2C.

NGSC will coordinate with any government or non-government incumbents prior to commencing transmissions to prevent harmful interference to any incumbent operations.

The stop buzzer contact for the program is Mr. Daniel Robinson, (661) 272-7033.