

The following parameters of the EADS MSSR 2000I are provided to the FAA regional office for acquiring FAA prior coordination and concurrence. The NGT numbers are needed to obtain an FCC experimental license. If any question please contact John Witt Lockheed Martin Syracuse 315-456-3003.

The EADS MSSR 2000I will be operated within a radius of 1 km at the following three sites:

- (1) Syracuse within 1 km, NY - NL 43-06-43; WL 76-11-18
- (2) East Syracuse within 1 km, NY - NL 43-05-20; WL 76-05-53
- (3) Cazenovia within 1 km, NY - NL 42-52-36; WL 75-55-27

(Datum: NAD83 for all locations)

- peak envelope power (PEP);
ERP = 50.6 dBW Tx output = 32.4dbw = 62.4 dBm with a measured cable loss of 4dB.
- type of antenna; Antenna Associates FAI-54M3 MSSR Antenna
- transmit antenna gain; Main Beam = 22.2 dBi
- elevation above sea level of the antenna site; 415 ft
- height above ground of the focal point of the antenna; 28.5 ft. (SSR)
- antenna polarization; Vertical
- the azimuth that the antenna is pointed or appropriate designator to indicate whether the antenna is rotating, non-directional, etc.; Continuous Rotation (360 degrees)
- pulse repetition rate (PRR) that the equipment is capable of operating on to include PRR stagger sequences if appropriate, whether the PRR is adjustable and what PRR's the equipment can accept, and any other information that would be helpful in understanding the pulse characteristics (staggered, jittered, fixed) of the equipment;
manually adjustable 25-450Hz
The "MSSR 2000 I" supports an adjustable PRF stagger. The following staggers are supported:
 - sequential stagger (the stagger is applied in a sequential order, one step to the other).
 - random stagger (the allowed stagger values are chosen in a random process.
 - Note: The stagger steps can be defined from 0 μ s to 4.06 μ s in steps of 62.5 ns. The number of stagger steps can be defined from 0 to 20, therefore, the maximum deviation between two interrogations is 81.25 μ s.
- pulse width; 0.8 $\pm$ 0.1 μ s (SIF P1 & P3 Pulses)
0.8 + 0.05, - 0.1 μ s (SIF P2 Pulse)
- equipment nomenclatures; MSSR 2000 I 1500W Mode S
- whether the equipment is capable of blanking transmissions in certain azimuths and any limitations with respect to blanking;

Yes, capable of blanking sectors. 1 degree increments

- radius of operations if appropriate;

Station Locations

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- detailed description of the proposed operation to include any technical parameters that will be altered during operations.

Operation will consist of Modes 1, 2, 3/A, C, and S Level 2 elementary surveillance using varied PRRs at full power. Operation will typically be using a staggered PRR. Power may be reduced and PRF modified for test purposes.