

Information pertaining to license WB2XGK:

Maximum Power is 90.2 MWatts (ERP) - 3000-3100 MHz (as on current license)
Maximum Power is 200 kWatts (ERP) - 1030 MHz (as on current license)

Type of antenna is pulsed non-linear frequency modulation.

Antenna gain is 30.5dBi.

Elevation of sites above mean sea level are: 152 feet for the Linthicum location (NL 39-10-08; WL 76-41-37) and 200 feet for the Hanover location (NL 39-11-08; WL 76-42-10).

Height above ground of focal point of the antenna is 10 feet.

Antenna polarization is linear horizontal.

Antenna rotates 360 degrees.

Pulse repetition frequency for 3000-3100 MHz is staggered depending on what Nautical Mile mode the unit is set for. PRF can be: 250Hz, 275Hz, 300Hz, 650Hz or 825Hz. We will use a PRF of 250 and 275Hz for testing.

PRF for 1030 MHz is variable from 200Hz to 1300Hz. We will synch the IFF to the radar for testing - 250 and 275Hz.

Pulse width is 15uSec, 90uSec, or 245uSec for 3000-3100 MHz. PW is 0.8uSec for 1030 MHz.

The equipment nomenclature is TPS-70SS. The SS means that this unit has a Solid State transmitter.

The equipment does have blanking capability which is used at both locations.

Radius of operation can be set to 80, 120, 160 or 200 nautical miles.

<u>Frequency</u>	<u>Station Class</u>	<u>Emission Designator</u>	<u>Authorized Power</u>
1030MHz	FX	6M33M1D	50.5 MW (ERP)
3000 - 3100MHz	FX	1M25Q0N	90.2 MW (ERP)