

Application for Special Temporary Authority (STA)

Northrop Grumman Systems Corporation (“NGSC”) applies for this short-term STA to conduct experiments to confirm waveform for use with a maritime receiver system. Pulsed tones (100 usec, 10% duty) will be generated and directed at an experimental receiver at fixed center frequencies of 9.1 and 9.8 GHz. This work will be performed on board a vessel in the Chesapeake Bay for the purpose of supporting X-band signal detection in a marine environment and to discern the desired signal from background radar and other noise.

Antenna Information (Q.4):

Manufacturer: ETS-Lindgren
Model / Part Number: 3117
Antenna Type: Double-Ridged Waveguide Horn
Antenna Gain (dBi): 13 dB
½ Power Main Beam Width: 45 degrees
Orientation of Main Beam (Azimuth and Elevation) 0,0
Rotation Rate / Field of Regard: N/A
Polarization: Linear, Horizontal

Stop Buzzer: Alexis Parow, 434-974-2458