

PURPOSE OF EXPERIMENTATION

Lockheed Martin Corporation (“Lockheed Martin”) hereby seeks authority under Part 5 of the Commission’s rules to permit it to test developmental UAS sensor capabilities. As part of its sensor package, Lockheed Martin will deploy multiple C-Band radars operating at 5.2-5.8 GHz using a custom NLFM waveform with 30 MHz and 60 MHz bandwidth and 50 MHz channel separation centered at frequencies within the 5.2-5.8 GHz band.

Operations will be conducted at an altitude not to exceed 150m.