

### 1.3 HP-600 High Power Amplifier (HPA)

The 40 W HPA is identical to the unit already in use with the existing MCS system. It is an 8 MCU LRU that will be dedicated for exclusive use with the HSU.

### 1.4 RF Combiner and Splitter

These devices facilitate the ability of the HSU and HPA to share the HGA with the existing MCS system.

The RF Combiner attributes are:

- Size
  - 3.53" (89.66mm) height
  - 5.04" (128.02 mm) width
  - 10.91" (277.11mm) length
- Weight: < 5 pounds (2.27 kg)

The Splitter attributes are:

- Size
  - 1.00" (25.40mm) height
  - 1.75" (44.45 mm) width
  - 2.00" (50.80mm) length
- Weight: < 1 pound (0.45 kg)

### 1.5 System Block Diagram

