



Memorandum

Date: 27 August, 2014

To: Files

CC:

From: Fred Clowney

RE: FCC STA Application

InterMet's customer (SpaceX) wishes to use our atmospheric sounding system and radiosondes at the Cape Canaveral launch facility. NASA currently uses another manufacturer's radiosondes (Lockheed Martin Sippican) at that location. The purpose of this experiment is to be sure InterMet's radiosondes do not interfere with the transmissions of the Sippican radiosondes.

Radiosondes are used to gather atmospheric data before missile launches that is necessary for range safety. The radiosondes are designed with very efficient, narrow-band transmitters that can be used in close proximity with other radiosondes as long as they are tuned to separate frequencies within the met aids band.

The purpose of this experiment is to be sure the transmissions from InterMet's radiosondes do not interfere or bleed over to the receivers being used by NASA to receive data from the Sippican radiosondes. Since we have flown sondes before with Sippican sondes we are quite confident that there will not be any problems but NASA has requested that we receive an STA so they can verify this.

Additional information is available about our sounding systems and radiosondes if this would be helpful.