

Narrative Exhibit

This modification requests authority to add two Earth station locations as points of communication for the currently licensed¹ Dove 2 satellite. The Dove 2 launch is currently scheduled for mid April 2013 aboard the Soyuz rocket.

Earth Station Description

Morehead State University - Morehead, KY

Latitude/Longitude: 38 11 30 N, 83 26 20 W

Antenna: tripod-mounted, circularly polarized UHF helical

Half Moon Bay, CA

Latitude/Longitude: 37 23 4 N, 122 24 48 W

Primary Antenna: 3 m parabolic antenna with X-band/S-band combined circularly polarized feed

Secondary Antenna: tripod-mounted, circularly polarized UHF helical

NTIA Formatted Data

4.) THE EARTH STATION RECEIVER ANTENNA GAIN, BEAMWIDTH, AZIMUTHAL RANGE, THE SITE ELEVATION ABOVE MEAN SEA LEVEL IN METERS AND THE ANTENNA HEIGHT ABOVE TERRAIN IN METERS (RAD)

RAD01 11G030B000-360A00348H004 (Morehead UHF helical)

RAD02 31G3.33B000-360A00046H004 (Half Moon Bay 3 m)

RAD03 11G030B000-360A00046H004 (Half Moon Bay UHF helical)

5.) THE EARTH STATION RECEIVER ANTENNA AZIMUTH (RAZ), THE MINIMUM ANGLE OF ELEVATION

RAZ01 V05 (Morehead UHF helical)

RAZ02 V05 (Half Moon Bay 3 m)

RAZ03 V05 (Half Moon Bay UHF helical)

¹ Call sign WG2XFY, file number 0100-EX-PL-2012, granted 1/31/2013

7.) THE TRANSMITTER ANTENNA ORIENTATION (XAP), EXAMPLE XAP01 J , AND THE RECEIVER ANTENNA ORIENTATION (RAP), EXAMPLE RAP01 J , WHERE J REPRESENTS LINEAR POLARIZATION. OTHER POLARIZATIONS INCLUDE H FOR HORIZONTAL, V FOR VERTICAL, S FOR HORIZONTAL AND VERTICAL, L FOR LEFT HAND CIRCULAR, R FOR RIGHT HAND CIRCULAR, T FOR RIGHT AND LEFT HAND CIRCULAR, E FOR ELLIPTICAL AND O FOR OBLIQUE ANGLED CROSSED.

XAP01 R (Morehead UHF helical)

XAP02 R (Half Moon Bay 3 m)

XAP03 R (Half Moon Bay UHF helical)