

Exhibit 5
to
Application for use of the ACTS Spacecraft

Details and Clarifications regarding items on form 442

Application

Item 12

Ohio University is a public university granting Bachelareate, Masters, and PhD degrees. It is one of 13 institutions making up the higher education system of the State of Ohio. Within the state it reports to the Ohio Board of Regents.

Item 15

Ohio University and OCACT will have operational authority over the ACTS spacecraft, but ownership will remain with NASA. See Exhibit 4 for a more detailed analysis of the scope of control.

Antenna Data Entry

Item 4

The ACTS spacecraft uses several spot beams with a beam width of 0.3 degrees. The footprint of these beams is shown in Exhibit 6.

Frequency Data

Frequency and emission data is based on the NTIA authorization documents filed by NASA.

Power: the ACTS transmitter is listed at 46W.

ERP: The radiated power of the ACTS beams is 60dBW EIRP. (1MW has been entered in the form)

Tolerance: N/A

Emission Data

ACTS will be used as a repeater, and as such will carry information modulated by one or more ground stations. The overall bandwidth available on the ACTS transponders is 900MHz; however, most stations are not expected to use this entire range.