MOTOROLA, INC.
Scottsdale, Arizona
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FOR IMMEDIATE RELEASE

Motorola radio receivers will track the position of Explorer VI.

The receivers will feed their signals together by comparison methods so that the tiny difference in time that it takes the rocket signal to reach the farthest receiver -- only a fraction of a mile away -- can be used to compute an angle.

The actual computation is accomplished in an electronic computer, which utilizes the small "angle" voltage and other information from the receiver system to arrive at an accurate determination of the satellite's position in space.

Motorola also designed and produced the telemetry receivers for Explorer VI which receive from the satellite a large assortment of scientific and other data -- sensed in instruments located on the satellite itself.

Both the guidance and the telemetry receivers incorporate highly advanced designs, their outstanding feature being unusually excellent "phase stability" required, in the guidance receiver, to make the accurate difference measurement needed to determine the satellite's location.

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