



**L3HARRIS™**

**ELS Attachment for Question 7: Experimentation Description**

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Our facility designs and manufactures antenna systems designed for SATCOM TTC and RSS missions. Our antennas are configured to receive and transmit signals though not simultaneously. Note that our facility does not send and receive *actual* data. Our antennas act as a sort of a “passthrough” where RF signals can be sent through via signal generator.

A critical test that our facility must perform is to verify that RF leakage when a signal is sent via signal generator to a High Powered or Solid State Powered Amplifier and then sent to a directive antenna does not reflect back on the receive channels as to produce severe degradation to any possible received signal.

These antennas are produced per a program basis at which 2-3 large (7.3-18m diameter) fixed antennas may radiate per year.