

ENGL 221 Case Study

From: Leslie Smythe [L.Smythe@nasa.gov]
Date: April 19, 2019
To: Fearless Leader
Subject: RE: Experiment #03059 Equipment and Supplies

Hello Fearless Leader,

Funny enough, we didn't really use much in terms of equipment and supplies. Thanks to our partnership with Embry-Riddle, we just used their Hub[™] Simulation Software. We saved a ton of time and effort by going virtual.

We simulated one geostationary weather satellite as the transmitting station, and simulated small dipole and dish antennas fixed on other geostationary satellites. We set the power at 1 watt, and captured RSSI values between 20 and 200 feet of unobstructed distance. Headings and pitch were measured in degrees, and we measured distance in feet. We handled all of our data processing and analysis with Microsoft Excel.

I think that covers it. Like I said, nice and easy.

L.S.

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