

From: Richard Hibbeler

To: Anthony Serafini

Date: September 04, 2014

Subject:

Message:

The radio equipment being used for the demo is an Ericsson mini-link PT 2020

“To demonstrate how an existing microwave communications point to point path can be used in supplemental meteorologic data, specifically rain density. By utilizing unique algorithms the fade data from any microwave path can be use to calculate how much rain is falling between the two end-points of the path. We will demonstrate that this density is calculable, and therefore in regions that are rich in microwave paths, but poor in existing radar weather coverage, solid information can be obtained using existing network and path solutions. We will use a 38GHz microwave path and in a 1 meter space insert water in a rain-like dissipation. By inserting the rain into the path, we can graphically show the results of the rain injection and explain how this can be use to support services in rural and other areas. This will be operational between 10:00 PDT and 18:00 PDT from September 7 until September 12.