

## Exhibit 1

### EXPLANATION OF MODIFICATIONS

This modification application is being filed to modify the license for Experimental Station WL2XFY to:

- Clarify that the operations at existing Antenna 1 are “temporary fixed” in nature
- Add a new Antenna 2 to include a short range variant of the radar – the SRR5B.

#### Bandwidth/Orientation for the SRR5B:

- a) Width of beam in degrees at the half-power point: +/- 8° Elevation  
+/- 40° Azimuth
- b) Orientation in horizontal plane (degrees from True North): Various (directed to ground)
- c) Orientation in vertical plane (degrees from horizontal): 90 degrees +/- 6 degrees to account for conveyor grade

All other descriptions of the equipment and the experiment provided in the original license application apply to this new short range variant.