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**ENGINEERING STATEMENT FOR
PROPOSED STA FOR K28LK**

Introduction

This document will describe the situation that the licensee of K28LK faces and the proposed temporary facilities for K28LK-D until permanent facilities can be reconstructed.

Background and Proposed Temporary Facility

The tower where the K28LK-D facility was operating has collapsed destroying the existing facility. A nearby transmission site has been chosen to receive a temporary facility to restore service to the community it serves. The proposed temporary transmission facility consists of a 100 watt transmitter operating on channel 28 using a stringent emission mask filter, 100 ft of 1/2" foam transmission line, and an antenna array consisting of a pair of stacked panel antennas mounted 47 ft AGL. This will produce an ERP of 1.65 kW. See the calculation below

100 W	xmtr output
.685	T-Line efficiency
24.1	Antenna gain


$$\text{ERP} = 100 \times .685 \times 24.1 = 1650 \text{ W}$$

As evidenced by the attachments made to this application, the proposed facility does not cause any interference, and is compliant with RF exposure limits from OET-65, and its 51 dBu protected contour will not extend beyond the licensed facility protected contour.

Summary

The proposed facility complies with all interference and FCC rules regarding the operation of the facility. The public interest is served by the proposed facility and the licensee of K28LK-D looks forward to restoration of reception of K28LK and also getting the primary facility back to its authorized coverage as soon as possible.

Sincerely,



Consulting Engineer