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**STA REQUEST FOR KMBY-LD**

**Introduction**

This document will describe the circumstances that the licensee of KMBY-LD faces, the reason for the request for the STA, the proposed temporary facilities for KMBY-LD, how the public interest is served by the authorization of the STA, and the expected length of time for the need of the temporary facility.

**Background and Proposed Temporary Facility**

KMBY-LD has been displaced from its channel 19 licensed facility by interference from KSTS and has received a construction permit (FCC File #0000202770) to change channel to UHF channel 29. The antenna used for the licensed facility on channel 19 will not work on channel 29. The licensee has specified a new antenna that will work on any UHF channel but it has not been delivered and meanwhile KMBY-LD has ceased operation on channel 19 due to the large amount of interference. The licensee has a temporary antenna which can be used on channel 29 to permit reception of the programming while the new antenna is being manufactured. Thus, the licensee requests a temporary authorization to operate on channel 29 using the temporary antenna. The proposed temporary transmission facility consists of a type certified transmitter operating on channel 29 using a full service emission mask filter, 200 ft of 1 5/8" foam transmission line, and a 4DR-8-2HW antenna array consisting of a pair of stacked panel antennas mounted 154 ft AGL. This will produce an ERP of 5.62 kW. See the calculation below

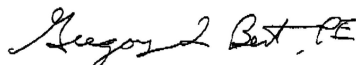
1.0 kW	xmtr output
.794	T-Line efficiency
7.08	Antenna gain
$ERP = 1000 \times .794 \times 7.08 = 5622 \text{ W}$	

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.

**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 KMBY-LD looks forward to the final implementation of the construction permit and license to cover for KMBY-LD. Assuming no significant unexpected events, the duration of the STA is not expected to last more than 3 months.

Sincerely,



Consulting Engineer