

Engineering STA
KBSR(AM), Laurel, MT (FIN: 5297)
6/16/2017

Licensee respectfully requests an engineering STA for an emergency antenna site for KBSR for a period of 180 days. The instant application is a proposal for a $\frac{1}{2}$ wavelength sloper long-wire attached to existing communications tower ASR# 1020875. Licensee has lost the use of the previously licensed site and is in the process of locating an alternate tower site from which to broadcast. KBSR is the only AM station licensed to Laurel and is currently off air. It would serve the public interest to allow KBSR to return to service at reduced ERP under the authority of the proposed engineering STA. The proposed facility will provide service to the city of license and is not expected not cause any interference. The predicted STA coverage will not extend beyond the licensed protected contour of KBSR(AM). The technical parameters of the proposal are as follows:

Transmitter site:	7730 Laurel Frontage Rd, Billings, MT
Coordinates:	45-43-34.18 N, 108-36-34.5 W (NAD27)
Frequency:	1490 kHz
Operating Hours:	Unlimited
Operating Power:	.02kw
Antenna:	$\frac{1}{2} \lambda$, sloper long-wire attached to existing pole
Overall Height:	91m
ASRN:	ASR# 1020875

The long-wire antenna is 7.6m AGL at the lowest point. The tower is fenced with a locked gate to prevent casual unauthorized persons from accessing the site. Appropriate warning signs are posted throughout the site. Please refer to the attached sketch of the $\frac{1}{2} \lambda$ sloper long-wire facility.

KBSR 1490 Khz temp antenna

1/2 wave Sloper

