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Request for STA

Icicle Broadcasting, Inc

KOHO(FM) Leavenworth, Washington

Facility ID 47072

Icicle Broadcasting Inc. ("Icicle") respectfully requests Special Temporary Authorization for a period of 180 days to operate KOHO(FM) at reduced power, using a temporary antenna.

KOHO is authorized to operate on channel 266 at a power of 930 Watts ERP with an antenna height of 623 meters HAAT (15 meters AGL).

Over the course of the winter both the antenna and transmission line have suffered ice damage, to the extent that the transmission line will need to be replaced and the antenna will need to be removed from the tower for inspection and repair. Icicle requests STA to operate from a single bay circularly polarized antenna to be mounted on the same tower as the main antenna, at a height of 12 meters AGL. TPO will not exceed 500 Watts, resulting in an ERP of approximately 230 Watts H+V. According the Commission's FM Model software, this operation will result in a power density of $157\mu\text{M}/\text{cm}^2$ at 2 meters above ground. There are no other high power facilities at this site.

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