

Engineering STA Request

On Saturday, December 3, 2007, the top portion of the WJCH tower collapsed in a severe ice storm. The portion of the collapsed tower contained the WJCH antenna, which was also severely damaged. The Licensee of WJCH, Family Stations, Inc., is the owner of the tower. The tower will have to be completely rebuilt before WJCH will be able to again commence operations of its licensed facility. Family Stations, Inc. will immediately begin the tower repair process and proceed with repair work as soon as possible. However, the extreme winter conditions may cause delays and it is possible that the tower repairs may not be completed for some months.

In an effort to resume temporary operations as soon as possible, an alternate site has been located. Special Temporary Authority (STA) is requested to operate WJCH at this alternate site while tower repairs are conducted at the licensed site.

	LICENSED	STA PROPOSED
ERP	50 kW, circular, non-directional	1.2 kW, circular, non-directional
COORDINATES	41 24 55 / 88 16 19	41 26 09 / 88 11 04
ASRN	1010033	1055361
HAAT	151 M	136 M
SITE AMSL	186.0 M	173.7 M
Tower AGL	141.0 M	152.4 M
Tower AMSL	327.0 M	326.1 M
COR AGL	131.0 M	134.3 M
COR AMSL	319.0 M	308.0 M

The proposed STA site is located 7.66 km, 72.7 degrees from the licensed site. The 1 mV/m contour coverage of WJCH from the proposed STA site will be contained within WJCH's licensed 1 mV/m contour, and will continue to provide 1 mV/m contour coverage over the community of license of Joliet, IL (reference map on page 2).

A 2-bay RFS CPF500-2 antenna will be utilized, with 152.4 meters of Andrew HJ5-50 transmission line, resulting in a TPO of 1.953 kW.

