

Heartland Second-Adjacent Exhibit

Application requests a waiver for a location which is short-spaced on a second-adjacent channel with (LMS)BLH-20101006AAQ, callsign WIXO, class B, status LICEN, PEORIA, IL, channel 289, facility ID 9894

Undesired-to-Desired Ratio Method	
(LMS)BLH-20101006AAQ f(50,50) signal	65.280 dBu
Second-adjacent protection	+ 40 dB
Interference-zone boundary	105.28 dBu
Distance to 105.28 dBu	222.7 m (ERP <= 0.034 kW)

The worst-case interference zone is a sphere of radius 222.7 meters, shown projected on the ground in the following map. Since the potential interference zone does not reach any residences, offices, or 4-lane roads; no population will be subject to interference from the proposed station according to the undesired-to-desired ratio method.

