

Engineering Statement
In Support of an Application
For Power Increase
WYCA, Lansing, IL
Channel 292A, 106.3 MHz
4.1 kW ERP, 121m HAAT

Radio Station WYCA is Licensed to Lansing, Illinois and operates on Channel 292A with 2 kW ERP at a height above average terrain (HAAT) of 121 meters, the equivalent of 3 kW at a HAAT of 100 meters. The station, originally licensed as "WLNR," has been on the air and operating from the current site and on the present channel since August 28, 1961. The WYCA transmitter site is located at 41E34' 44" North Latitude and 87E32' 46" West Longitude.

Under §73.213(a) of the Commission's Rules, WYCA is eligible for a power increase to the equivalent of 6 kW ERP, reduced for excessive height. Specifically, §73.213(a) says, "Stations at locations authorized prior to November 16, 1964, that did not meet the separation distances required by §73.207 and have remained continuously short-spaced since that time may be modified or relocated with respect to such short-spaced stations, provided that (i) any area predicted to receive interference lies completely within any area currently predicted to receive co-channel or first-adjacent channel interference as calculated in accordance with paragraph (a)(1) of this section, or that (ii) a showing is provided pursuant to paragraph (a)(2) of this section that demonstrates that the public interest would be served by the proposed changes."

WYCA meets all the §73.213(a) criteria with respect to second-adjacent channel short-spacing WCKG, Elmwood Park, Illinois (290B). According to the Commission's records, WCKG was granted its original construction permit in 1948 (BPH-909 and BLH-160), later modified in 1955 (BPH-2020 and BLH-1081) and specifying a transmitter site located at 41E55' 36" North Latitude and 87E48' 24" West Longitude, a distance of 44.3 km from WYCA's transmitter site. WCKG remained at that site until 1966 when it was granted a construction permit (BPH-5360 and BLH-3647) to move to a new site located at 41E53' 17" North Latitude and 87E37' 27", a distance of 35.0 km from WYCA. At that time, the Commission placed a restriction on the maximum power that could be radiated toward WLNR. In 1972, WCKG was granted a construction permit (BPH-8161) which was modified in 1974 (BPH-14042 and BLH-12_9) to move to the Sears Tower, located at 41E52 '44" North Latitude and 87E38' 10" West

Longitude, a distance of 34.2 km from WLNR. There were construction permit modifications in 1980 (BPH-800328AH and BLH-810914AG) and again in 1982 (BPH-19820716AN and BLH19830304AF) specifying the same site. A 1987 construction permit (BMLH-870604KA) was granted at the same site. In 2001, a construction permit was granted (BMLH-20011101AAC) correcting coordinates to match the Antenna Structure Registration to 41E52' 44" North Latitude and 87E38' 08" West Longitude, a distance of 34.1 km from WLNR.

As such, WYCA (WLNR) was short-spaced to WCKG prior to November 16, 1964 and has remained continuously short-spaced to WCKG since that time. §73.213(a)(4) states, "For stations covered by this paragraph (a), there are no distance separation or interference protection requirements with respect to second-adjacent and third-adjacent channel short-spacings that have existed continuously since November 16, 1964." WYCA can thus disregard the short-spacing to WCKG.

Disregarding the WCKG short-spacing, WYCA is fully spaced to all other co- and adjacent-channel stations except for WUBU in South Bend, Indiana (292A). WYCA does meet the §73.215 minimum spacing to WUBU.

Respectfully submitted,

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