



Radio Station 880 KRVN
Post Office Box 619
Lexington, Nebraska 68850

104 WEST EIGHTH ST., LEXINGTON, NEBRASKA 68850, PH. (308) 324-2371

880 KC 50,000 WATTS

CONFIRMATION OF RECEPTION OF
880 KRVN LEXINGTON, NEBRASKA, USA BY

Bill Nittler, Englewood, Colorado
on August 17, 1971 @ 1430 EST

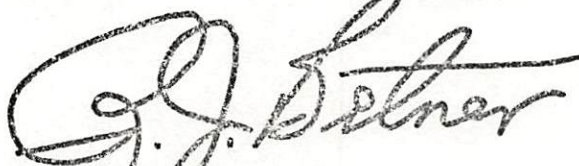
This is to confirm the reception of Radio Station KRVN, 880 kHz, Lexington, Nebraska, United States of America.

KRVN transmitting facilities are located near Holdrege, Nebraska at geographical coordinates $41^{\circ} 31' 03''$ N-latitude and $99^{\circ} 23' 20''$ W-longitude. KRVN is a Class IB radio station operating with 50,000 watts on an authorized unlimited schedule with operation from 0500-2400 CST daily. The antenna system consists of a uniform four tower linear array with tower spacing of 100° and tower heights of 300 feet. The line of the array lies on the great circle earth path passing through the antenna site of 880 WCBS of New York, New York. The bearing of the line to 880 WCBS is 81° at 880 KRVN and in the directional mode the array produces a broad nearly flat "floor" or null toward WCBS in the angular region from 63° to 98° to protect WCBS coverage during the nighttime hours. During the daytime, KRVN transmits with an omnidirectional pattern using one of the four towers to produce an RMS field intensity of 193 mv/m/kw @ 1 mile; at 50,000 watts of power equal to 1.36 v/m @ 1 mile E-field intensity. During the nighttime operation of 880 KRVN, the pattern toward the West Coast of the United States has field intensities reaching nearly 2.5 v/m @ 1 mile. KRVN's transmitter is an RCA BTA 50F1 using 5761 type tubes in the final amplifier and as modulators to produce an RF power output of 50,000 watts as input to the antenna array. Studios for 880 KRVN are located at 104 West Eighth Street in downtown Lexington, Nebraska and the audio baseband from the studios is fed to the transmitter over a studio-transmitter-link operating in the 900 MHz spectrum and repeated at Overton, Nebraska.

The engineering staff at 880 KRVN is very interested in reception reports of the station and appreciate hearing from BOB DXers. We invite you to stay tuned to 880 kHz and report the condition of the frequency, any interference from transmitters operating on or near 880 kHz, the quality of KRVN's signal in your area and any other items of a technical nature which you feel sufficiently important to note.

Thank you for your effort and interest in reporting your reception of 880 KRVN, Lexington, Nebraska, United States of America.

Cordially,


Bob Bittner, W6SOK
Chief Engineer, 880 KRVN


880 KRVN DX Correspondent

Very Nice reception report Bill, and
welcome to Nebraska!

THE RURAL VOICE OF NEBRASKA

FM 46,000 WATTS