



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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CBS RADIO STATIONS INC.  
1725 DESALES ST NW  
SUITE 501  
WASHINGTON DC 20036

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Dale E. Bickel  
Senior Engineer  
Audio Division  
Media Bureau

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Facility Id: 74473

Call Sign: WKRK-FM

License File Number: BLH-19891128KA

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Grant Date: September 19, 1990

This license expires 3:00 a.m.  
local time, October 01, 1996.

This license covers Permit No.: BPH-890817IC

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Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Callsign: WKRK-FM

License No.: BLH-19891128KA

Name of Licensee: CBS RADIO STATIONS INC.

Station Location: OH-CLEVELAND HEIGHTS

Frequency (MHz): 92.3

Channel: 222

Class: B

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power:

Antenna type: Directional

Description: ODD ODD890817IC

Antenna Coordinates: North Latitude: 41 deg 26 min 32 sec  
West Longitude: 81 deg 29 min 28 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	40	36
Height of radiation center above ground (Meters):	119	119
Height of radiation center above mean sea level (Meters):	465	465
Height of radiation center above average terrain (Meters):	167	167

Antenna structure registration number: 1014708

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

1 1. THE RELATIVE FIELD STRENGTH OF NEITHER THE MEASURED HORIZONTALLY NOR VERTICALLY POLARIZED RADIATION COMPONENT SHALL EXCEED AT ANY AZIMUTH THE VALUE INDICATED ON THE COMPOSITE RADIATION PATTERN AUTHORIZED BY THIS CONSTRUCTION PERMIT.

. A RELATIVE FIELD STRENGTH OF 1.0 ON THE COMPOSITE RADIATION PATTERN HEREIN AUTHORIZED CORRESPONDS TO THE FOLLOWING EFFECTIVE RADIATED POWER:  
40 KILOWATTS

. PRINCIPAL MINIMA AND THEIR ASSOCIATED FIELD STRENGTH LIMITS:  
156 DEGREES TRUE: 1.45 KILOWATTS  
320 DEGREES TRUE: 8.10 KILOWATTS

\*\*\* END OF AUTHORIZATION \*\*\*