



WGMS AM • FM

5100 WISCONSIN AVENUE, N.W. · WASHINGTON, D. C. 20016 · AREA CODE 202 244-8600

TO: John N. Sampson
52 Delwick Lane
New Providence, New Jersey 07974

RE: Your reception report of our AM - FM signal on February 25, 1974

The program data submitted in your reception report was broadcast by WGMS at the approximate times indicated.

ANTENNA LOCATIONS: North Latitude West Longitude MONTGOMERY COUNTY
MARYLAND

39° 02' 06" 77° 10' 17"

HOURS OF OPERATION (Approximate): 24 Hrs. per day (Off air from 12 Midnight until approximately 5:30 A.M. on Monday mornings for maintenance.)

WGMS-AM broadcasts on a frequency of 570 kHz (526 Meters) with a 4-tower directional antenna system whose main radiation lobe is on a bearing of 144° from true north. Authorized transmitter power output is 5 KW Local Sunrise to Local Sunset (EST) and 1 KW Local Sunset to Local Sunrise (EST). Average Sunrise and Sunset times for each month are specified by the Federal Communications Commission.

WGMS-FM broadcasts on a frequency of 103.5 MHz (Ch #278). Two antennas are used--one transmits horizontally polarized waves, the other vertically polarized waves. The effective radiated power from each antenna is 20 KW. Both antennas are approximately 435 feet above average terrain.

H.K. Leyh

H.K. Leyh, Chief Engineer