

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. 22-483
Call Letters W 5 M

STANDARD BROADCAST STATION LICENSE

(~~NON~~ WITH TRANSMITTER)

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, ^{1/}the LICENSEE

W S M, INCORPORATED

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broad-

casting for the term beginning November 1 19 52, and ending August 1, 1955
(3 a.m., Eastern Standard Time) (3 a.m., Eastern Standard Time)

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of 650 kc.
- With 50 kilowatts power ~~non~~directional antenna nighttime [antenna current, 12.25 amperes
antenna resistance, 333 ohms
and 50 kilowatts power ~~non~~directional antenna daytime [antenna current, 12.25 amperes
antenna resistance, 333 ohms
- During the following period or periods of time:

Unlimited time.

4. With the station located at:

Nashville, Tennessee

5. With the main studio located at:

7th Avenue and Union Street
Nashville, Tennessee

The apparatus herein authorized to be used and operated is located at:

6 miles north of
Franklin, Tennessee

North Lat.	0	'	"
	35 ₀	59	50
West Long.	86	47	32

and is described as follows: RCA, Type 50-B, Broadcasting Transmitter. Serial No. 2020. Direct Crystal Control. Last radio stage: two 25 kilowatt vacuum tubes for low level modulation. Maximum rated carrier power output 50 kilowatts. Antennas: 800' (808' overall height), series excited, square, double tapered radiator, guyed at the 360' level. Ground system consists of 120 radial wires each 450 feet long buried 8 inches beneath surface.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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.

^{1/} This license consists of this page and pages 2.

Dated this 15th day of October, 1952.

FEDERAL COMMUNICATIONS COMMISSION,

T. J. Slowie

T. J. Slowie, Secretary

(S E A L)

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UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BR-483
Call Letters W S W

STANDARD BROADCAST STATION LICENSE

(For AUXILIARY TRANSMITTER)

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, ^{1/}the LICENSEE

W S W, INCORPORATED

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broad-
casting for the term beginning November 1, 1952, and ending August 1, 1955
(3 a.m., Eastern Standard Time) (3 a.m., Eastern Standard Time)

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of 650 kc.
- With 5 kilo watts power non directional antenna nighttime [antenna current, 3.88 amperes
antenna resistance, 333 ohms
and 5 kilowatts power non directional antenna daytime [antenna current, 3.88 amperes
antenna resistance, 333 ohms
- During the following period or periods of time:

For auxiliary purposes only.

4. With the station located at:

Nashville, Tennessee

5. With the main studio located at:

**7th Avenue and Union Street
Nashville, Tennessee**

The apparatus herein authorized to be used and operated is located at:

**6 miles north of
Franklin, Tennessee**

North Lat.	35	59	50
West Long.	86	47	32

and is described as follows: **GOLLINS RADIO CO., Type 21-B, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: one 5 kilowatt vacuum tube for high level modulation. Maximum rated carrier power output 5 kilowatts.**

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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.

^{1/} This license consists of this page and pages 2 attached to License for **Main Transmitter**
Dated this 15th day of October, 1952, dated **October 15, 1952.**

FEDERAL COMMUNICATIONS COMMISSION,

T. J. Slowie

T. J. Slowie, Secretary

(SEAL)

Date 10-15-52

FILE No.* BR-483

CALL LETTERS* W S W

**OBSTRUCTION MARKING
ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)**

In addition on the top of the transmitter building there shall be installed a 24 inch aviation red land marker beacon equipped with automatic lamp changer and 1000-watt lamp.

The tower shall be painted throughout its height with alternate bands of international orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

The tower shall be cleaned or repainted as often as necessary to maintain good visibility.

For night marking there shall be installed at the top of the tower ^{757' structure of the 878'} a 300-mm electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of 1/2 second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

On levels ^{the 560' and 360'} ~~at approximately two thirds and one third of the over all height~~ of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

***THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.**