



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

Authorizing Official:

Official Mailing Address:

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AMFM RADIO LICENSES, L.L.C.  
 2625 S MEMORIAL DR, SUITE A  
 TULSA OK 74129

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Facility Id: 71315

Call Sign: WDAS

License File Number:

Grant Date:

This license expires 3:00 a.m.  
 local time, August 01, 2014.

BS-20091015AEL: This authorization re-issued to reflect change of antenna monitor per licensee's 10/15/09 request.

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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
 Local Standard Time (Non-Advanced)

Jan.	7:15 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:30 PM

Callsign: WDAS

License No.:

Name of Licensee: AMFM RADIO LICENSES, L.L.C.

Station Location: PHILADELPHIA, PA

Frequency (kHz): 1480

Station Class: B

Antenna Coordinates:

Day

Latitude: N 39 Deg 59 Min 53 Sec

Longitude: W 75 Deg 12 Min 43 Sec

Night

Latitude: N 39 Deg 59 Min 53 Sec

Longitude: W 75 Deg 12 Min 43 Sec

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

Nominal Power (kW): Day: 5.0 Night: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.1

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 10.39 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No. ASRN

1 None

2 None

3 None

Night:

Tower No. ASRN

1 None

2 None

3 None

4 None

Callsign: WDAS

License No.:

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 687.19 Night: 286.46

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 722.38 Night: 301.79

Q Factor: Day: 23.96 Night: 17.79

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	78.5
2	2.5000	143.000	70.0000	27.500	0	78.5
3	0.9000	270.000	90.0000	27.500	1	78.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	100.0	40.0	281.64

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	-59.000	0.0000	0.000	0	78.5
2	2.3000	101.000	90.0000	315.000	0	78.5
3	2.3000	-101.000	180.0000	315.000	0	78.5
4	1.0000	59.000	270.0000	315.000	0	78.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	27.5	10.0	41.84
2	36.0	11.0	29.77
3	41.5	11.0	38.62
4	51.0	18.0	43.45
5	207.5	10.0	35.41

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
6	222.0	24.0	45.06
7	234.0	22.0	28.97
8	245.0	22.0	51.50
9	267.5	23.0	53.11
10	294.0	30.0	90.12
11	309.0	18.0	141.62

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-151.2	0.354
2	0	1
3	123.2	0.362

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	37.8	0.425
2	-160.2	0.972
3	0	1
4	158.9	0.475

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
27	1.82	108
80	1.69	39.9
330	2.62	32.5

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
41.5	3.06	7.8
60	2.9	3.7
234	3.06	3.5
279	3.06	3.03

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