



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

AKAL MEDIA KKDZ, INC.
26461 104TH AVENUE SE
KENT WA 98030

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: November 29, 2007

Facility Id: 12112

Call Sign: KKDZ

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

License File Number: BL-20071004ADZ

This authorization re-issued to reflect correction of monitor point descriptions. 8/26/2009 CNM

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. | 8:00 AM | 4:45 PM | Jul. | 4:30 AM | 8:00 PM |
| Feb. | 7:15 AM | 5:30 PM | Aug. | 5:00 AM | 7:30 PM |
| Mar. | 6:30 AM | 6:15 PM | Sep. | 5:45 AM | 6:30 PM |
| Apr. | 5:15 AM | 7:00 PM | Oct. | 6:30 AM | 5:30 PM |
| May | 4:30 AM | 7:45 PM | Nov. | 7:15 AM | 4:30 PM |
| Jun | 4:15 AM | 8:15 PM | Dec | 7:45 AM | 4:15 PM |

Name of Licensee: AKAL MEDIA KKDZ, INC.

Station Location: SEATTLE, WA

Frequency (kHz): 1250

Station Class: B

Antenna Coordinates:

Day

Latitude: N 47 Deg 33 Min 49 Sec

Longitude: W 122 Deg 21 Min 35 Sec

Night

Latitude: N 47 Deg 40 Min 23 Sec

Longitude: W 122 Deg 10 Min 08 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: 5.0

Antenna Input Power (kW): Day: 5.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 10.14 Night: 10.4

Resistance (ohms): Day: 48.6 Night: 50

Non-Directional Antenna: Day

Radiator Height: 64 meters; 96 deg

Theoretical Efficiency: 310.6 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

| Tower No. | ASRN | Overall Height (m) |
|-----------|---------|--------------------|
| 1 | 1033409 | |

Night:

| Tower No. | ASRN | |
|-----------|------|----|
| 1 | None | 47 |
| 2 | None | 47 |
| 3 | None | 47 |
| 4 | None | 47 |

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 657.26
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 691.2
 Q Factor: Night:

Theoretical Parameters:

Night 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 | TL/S |
| 2 | 1.0000 | 155.000 | 60.0000 | 40.000 | 0 | TL/S |
| 3 | 1.0000 | 112.000 | 94.0000 | 140.000 | 0 | TL/S |
| 4 | 1.0000 | 267.000 | 102.4000 | 102.300 | 0 | TL/S |

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

| Tower No. | A | B | C | D |
|-----------|------|------|-----|-----|
| 1 | 68.6 | 8.40 | .00 | .00 |
| 2 | 68.6 | 8.40 | .00 | .00 |
| 3 | 68.6 | 8.40 | .00 | .00 |
| 4 | 68.6 | 8.40 | .00 | .00 |

Augmentation Parameters:

| Aug No. | Central Azimuth (Deg. T) | Span (Deg.) | Radiation at Central Azimuth (mV/m @ 1 km) |
|---------|--------------------------|-------------|--|
| 1 | 181.5 | 10.0 | 80.47 |
| 2 | 333.0 | 10.0 | 80.47 |

Night Directional Operation:

| Twr. No. | Phase (Deg.) | Antenna Monitor Sample Current Ratio |
|----------|--------------|--------------------------------------|
| 1 | -116 | 1.09 |
| 2 | 35 | 0.91 |
| 3 | 0 | 1 |
| 4 | 150.5 | 1.05 |

Antenna Monitor: POTOMAC INSTRUMENTS AM 1900

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

| Radial (Deg. T) | Distance From Transmitter (kM) | Maximum Field Strength (mV/m) |
|--------------------|-----------------------------------|----------------------------------|
| 97 | 2.03 | 10.26 |
| 153.5 | 4.12 | 34.4 |
| 181.5 | 3.7 | 4.49 |
| 333 | 3.59 | 11.55 |

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 This license authorization allows KKDZ(AM) to operate with a 5 kW non-directional and a 5 kW directional pattern on a share-time basis with KWSU, 1250 kHz, Pullman, Washington. Under the share-time agreement, KKDZ operates using the daytime site non-directional antenna system from 12:00 A.M. to sunset, at which time KKDZ employs the nighttime site 5 kW directional antenna pattern to afford protection to KWSU until KWSU signs off at 12:00 A.M. (midnight).
- 3 Daytime site ground system: 120 equally spaced, buried, copper radials between 54.9 and 64 meters in length, except where crossing 21st Avenue where spacing is 15 degrees apart, plus 120 interspersed radials between 30.5 meters and 45.7 meters in length, about the base of the tower.

Nighttime site ground system: 120-51.83 meter buried copper wire radials except where shortened by property boundary and bonded to transverse straps. 7.32 m X 7.32 m copper ground screen at base of each tower.

Special operating conditions or restrictions:

4 MONITOR POINT DESCRIPTIONS

Direction of 97° true North. From the intersection of Kirkland-Redmond Road and 148th Avenue NE, proceed south on 148th 0.48 km to General Telephone exchange building, point located south of building in parking area.

Direction of 153.5° true North. From intersection of 148th and NE 35th, proceed right on NE 35th 0.21 km to end, point located at intersection of NE 35th and dirt cross street in center of intersection.

Direction of 181.5° true North. From the intersection of 134th NE and NE 36th, proceed west to 131st NE and turn left, proceed to 130th NE and turn left, proceed to 32nd NE and turn right. The monitor point is located in front of 12527 NE 32nd.

Direction of 333° true North. From intersection of 120th NE and NE 112th, proceed west on 112th 0.76 km to Alex G. Bell school, point located in center of front parking lot.

*** END OF AUTHORIZATION ***