

Federal Communications Commission

AM STATION LICENSE

Licensee/Permittee
RADIO WEST, LLC

WEST YELLOWSTONE, MT, 59758

| Call Sign | Facility ID |
|-----------|-------------|
| KWYS | 24434 |

| | | | |
|---|---------------------------------|--------------------------------------|-----------------------------|
| File Number BZ-19970801KA | | | |
| Filing Date 08/01/1997 | Grant Date 10/31/1997 | Expiration Date 04/01/2029 | |
| Description Text This supersedes authorization of same date to add missing registration and nighttime parameters. (JBS 3/19/24) | | | |
| Community of License City: West Yellowstone State: MT | Frequency (KHz) 920 | Station Class D | Service Type Main |
| Facility Type | | | |
| Hours of Operation Daytime Nighttime | | | |
| Station Antenna Modes/Antenna Types Daytime: Non-Directional Nighttime: Non-Directional | | | |

Average Hours of Sunrise and Sunset

Local Standard Time (Non-Advanced)

| Month | Sunrise | Sunset |
|-----------|---------|--------|
| January | 8:00 | 17:15 |
| February | 7:30 | 17:45 |
| March | 6:45 | 18:30 |
| April | 5:45 | 19:15 |
| May | 5:00 | 19:45 |
| June | 4:45 | 20:15 |
| July | 4:45 | 20:00 |
| August | 5:30 | 19:30 |
| September | 6:00 | 18:30 |
| October | 6:45 | 17:45 |
| November | 7:15 | 17:00 |
| December | 8:00 | 16:45 |

Transmitter

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

Antenna Mode: Daytime

Antenna Type: Non-Directional

| | | | | | | |
|--|--------------------|---------------------------|-----------------------|---|---------------------------|----------------------|
| Antenna Coordinates (NAD 83) Latitude 44° 38' 55.7" N Longitude 111° 5' 52.8" W | | | | Nominal Power (kW) 1.000 Antenna Input Power (kW) 1.000 Current (Amperes) 4.470 Resistance (Ohms) 50 | | |
| Antenna Structure Registration Number(s) | | | | | | |
| Tower No. | ASRN | Overall Height (m) | | | | |
| 1 | 100671 | 75.7 | | | | |
| Radiator Height 73.1 meters 80.8 degrees | | | | Theoretical Efficiency 299.34 mV/m/kw at 1 km | | |
| Theoretical Parameters | | | | | | |
| Tower No. | Field Ratio | Phasing (deg.) | Spacing (deg.) | Orientation (deg.) | Tower Ref. Switch* | Height (deg.) |
| 1 | 1 | 0 | 0 | 0 | 0 | 80.8 |
| <p>* Tower Reference Switch</p> <p>0 = Spacing and orientation from reference tower</p> <p>1 = Spacing and orientation from previous tower</p> | | | | | | |
| Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160) | | | | | | |
| Tower No. | Tower Type | A | B | C | D | |
| 1 | Neither | | | | | |

Antenna Mode: Nighttime

Antenna Type: Non-Directional

| | | | | | | |
|--|--------------------|---------------------------|-----------------------|---|---------------------------|----------------------|
| Antenna Coordinates (NAD 83) Latitude 44° 38' 55.7" N Longitude 111° 5' 52.8" W | | | | Nominal Power (kW) 0.038 Antenna Input Power (kW) 0.038 Current (Amperes) .87 Resistance (Ohms) 50 | | |
| Antenna Structure Registration Number(s) | | | | | | |
| Tower No. | ASRN | Overall Height (m) | | | | |
| 1 | 100671 | 75.7 | | | | |
| Radiator Height 73.1 meters 80.8 degrees | | | | Theoretical Efficiency 299.34 mV/m/kw at 1 km | | |
| Theoretical Parameters | | | | | | |
| Tower No. | Field Ratio | Phasing (deg.) | Spacing (deg.) | Orientation (deg.) | Tower Ref. Switch* | Height (deg.) |
| 1 | 1 | 0 | 0 | 0 | 0 | 80.8 |
| <p>* Tower Reference Switch</p> <p>0 = Spacing and orientation from reference tower</p> <p>1 = Spacing and orientation from previous tower</p> | | | | | | |
| Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160) | | | | | | |
| Tower No. | Tower Type | A | B | C | D | |
| 1 | Neither | | | | | |

Special operating conditions or restrictions

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.

- The proposed antenna shall be excited with a symmetrical folded unipole feed, utilizing a minimum of three folds. Slant wire is not permitted.
- Antenna system consists of a vertical, guyed, series-excited steel radiator of uniform cross section, with an FM antenna side mounted at the top, with a ground system consisting of 120 equally spaced, buried copper radials, 84 meters in length about the base of the tower.

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.