



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

Authorizing Official:

Official Mailing Address:

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SMG-SPOKANE, LLC  
 2448 E. 81ST STREET  
 SUITE 5500  
 TULSA OK 74137

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Facility Id: 11235

Call Sign: KJRB

License File Number: BMML-20130820ACI

Grant Date: January 07, 2014

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

This license covers Permit No.: BZ-20100526AFI

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.	7:30 AM	4:30 PM	Jul.	4:00 AM	7:45 PM
Feb.	7:00 AM	5:15 PM	Aug.	4:45 AM	7:00 PM
Mar.	6:00 AM	6:00 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:00 AM	6:45 PM	Oct.	6:00 AM	5:00 PM
May	4:15 AM	7:15 PM	Nov.	7:00 AM	4:15 PM
Jun.	3:45 AM	7:45 PM	Dec.	7:30 AM	4:00 PM

Callsign: KJRB

License No.: BMML-20130820ACI

Name of Licensee: SMG-SPOKANE, LLC

Station Location: SPOKANE, WA

Frequency (kHz): 790

Station Class: B

Antenna Coordinates:

Day

Latitude: N 47 Deg 30 Min 07 Sec

Longitude: W 117 Deg 23 Min 08 Sec

Night

Latitude: N 47 Deg 30 Min 07 Sec

Longitude: W 117 Deg 23 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: 3.8

Antenna Input Power (kW): Day: 5.4 Night: 4.1

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.39 Night: 9.06

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1008299	
2	1008297	

Night:

Tower No.	ASRN	Overall Height (m)
1	1008298	
2	1008299	
3	1008297	
4	1008296	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 741.27 Night: 673.37  
 Standard RMS (mV/m/km): Day: 778.69 Night: 707.91  
 Augmented RMS (mV/m/km):  
 Q Factor: Day: 22.36 Night: 33.39

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	117.6
2	0.4130	138.400	93.4000	194.500	0	86.7

\* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4350	77.200	80.5000	15.200	0	86.7
2	0.8770	-141.300	0.0000	0.000	0	117.6
3	1.0000	0.000	93.4000	194.500	0	86.7
4	0.4850	160.500	175.0000	194.500	0	76.6

\* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1		
2	0	1
3	128.5	0.808
4		

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	74.1	0.406
2	-140.2	0.424
3	0	1
4	159.8	0.58

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D (210)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The licensee shall perform the measurements described in Section 73.155 at least once within each 24-month period.
  
- 2 Ground system consists of 120 equally spaced, buried copper radials extending up to 95 meters (up to 79 m around the fifth tower that is not used) except where terminated by property boundaries or where intersecting radials are shortened and bonded plus 120 copper radials 15.24 m (extended to property edge where 95 meter radials shortened) interspersed.

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