United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

KSE RADIO VENTURES, LLC
1000 CHOPPER CIRCLE
DENVER CO 80204

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: September 27, 2012

This license expires 3:00 a.m. local time, April 01, 2021.

Facility Id: 30839

Call Sign: KKSE

License File Number: BL-20120622ADS

BS-20150716ACK: Pursuant to request dated March 7, 2014 as amended on July 16, 2015, the antenna monitor has been changed and new directional operation parameters are specified.(9/28/15 EL)

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	5:15 PM
May	4:45 AM	7:00 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:30 PM

Jan. 1:30 AM 7:30 PM Dec. 7:15 AM 4:30 PM

Name of Licensee: KSE RADIO VENTURES, LLC

Station Location: PARKER, CO

Frequency (kHz): 950

Station Class: B

Antenna Coordinates:

	Day						
Latitude:	N	39	Deg	52	Min	30	Sec
Longitude:	W	104	Deg	56	Min	00	Sec

	Night						
Latitude:	N	39	Deg	52	Min	30	Sec
Longitude:	W	104	Deg	56	Min	00	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: 5.4 Night: 5.4

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 10.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1024550	
2	1024551	

Night:

Tower No.	ASRN	Overall Height (m)
1	1024550	
2	1024551	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 674.32 Night: 674.32

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 708.66 Night: 708.66

Q Factor: Day: Night:

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	96.8
2	0.6300	20.000	237.5000	94.000	0	96.8

* 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	131.0	10.0	418.43
2	142.0	10.0	273.59
3	301.0	12.0	305.78
4	307.0	10.0	273.59

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	96.8
2	0.6300	20.000	237.5000	94.000	0	96.8

* 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	131.0	10.0	418.43
2	142.0	10.0	273.59
3	301.0	12.0	305.78
4	307.0	10.0	273.59

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	22.5	0.619

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	22.5	0.619

Antenna Monitor: POTOMAC INSTRUMENTS 1901-2

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)
142	3.3	84.9
274	7.24	58.6
307	6.76	37

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
142	3.3	84.9
274	7.24	58.6
307	6.76	37

Special operating conditions or restrictions:

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM
No. and Type of Elements: Two uniform cross section, guyed, series excited vertical radiators with a communications-type antenna side-mounted near the top of the W(#1) tower.

Ground system consists of 120-330 feet equally spaced, buried, copper radials, plus 120 50' interspaced radials about the base of each tower. Intersecting radials shortened and bonded to a transverse copper strap midway between adjacent elements.

Special operating conditions or restrictions:

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 142° True North: From the KKFN transmitter site proceed 1.4 miles south on Riverdale Drive to Colorado Boulevard. Turn left (south) and proceed 0.1 miles to 88th Avenue. Turn left (east) and proceed 1.7 miles to the Wikiup Mobile Home Park located on the south side of 88th Avenue. Turn right (south) into the park. At the T intersection at the entrance, turn left (east) and proceed 0.1 miles to East Wikiup Drive. Turn right (south) and proceed 0.35 miles to monitor point, which is located in front of mobile home space 280. The point is in the center of the road in a poured concrete drainage trough running across the road. Field strength meter must be oriented toward transmitter site. Distance from transmitter is 3.30 Kilometer. The field intensity measured at this point should not exceed 84.9 mV/m.

Direction of 274° True North: From the KKFN transmitter site proceed 0.7 miles north on Riverdale Drive to 104th Avenue. Turn left (west) and proceed 4.7 miles to Zuni. Turn left (south) and proceed .45 miles to 100th Avenue. Turn right (west) and proceed 0.15 miles to Bryant Street. Turn right (north) and proceed to 10016 Bryant Street. The monitor point is located on the curbside sidewalk directly in front and center of the home at 10016 Bryant Street. Field strength meter must be oriented toward transmitter site. Distance from transmitter is 7.24 Kilometer. The field intensity measured at this point should not exceed 58.6 mV/m.

Direction of 307° True North: From the KKFN transmitter site proceed 0.7 miles north on Riverdale Drive to 104th Avenue. Turn left (west) and proceed 2.7 miles to Washington Street. Turn right (north) and proceed 2.0 miles to 120th Avenue. Turn left (west) and proceed 0.85 miles to Melody Drive. Turn left (south) and proceed 0.05 miles to the entrance of the RTD Park and Ride lot. Proceed to the far southwestern corner of the lot. The monitor point is located on an east-west sidewalk on the south border of the parking lot, and is located 114 feet east of the east side curb of Huron Street. Field strength meter must be oriented toward transmitter site. Distance from transmitter is 6.76 Kilometer. The field intensity measured at this point should not exceed 37 mV/m.

*** END OF AUTHORIZATION ***