



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

Authorizing Official:

Official Mailing Address:

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AMFM BROADCASTING LICENSES, LLC  
 2625 S. MEMORIAL DRIVE  
 SUITE A  
 TULSA OK 74129

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Facility Id: 59966

Call Sign: KKSF

License File Number: BL-20040629ACX

Grant Date: June 23, 2005

This license expires 3:00 a.m.  
 local time, December 01, 2005.

This authorization re-issued to correct the sample current ratio. HKC  
 10/28/2005.

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

Name of Licensee: AMFM BROADCASTING LICENSES, LLC

Station Location: OAKLAND, CA

Frequency (kHz): 910

Station Class: B

Antenna Coordinates:

Day

Latitude: N 37 Deg 53 Min 45 Sec

Longitude: W 122 Deg 19 Min 25 Sec

Night

Latitude: N 37 Deg 53 Min 45 Sec

Longitude: W 122 Deg 19 Min 25 Sec

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

Nominal Power (kW): Day: 20.0 Night: 5.0

Antenna Input Power (kW): Day: 21.00 Night: 5.4

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 20.5 Night: 10.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1016036	
2	1016035	

Night:

Tower No.	ASRN	Overall Height (m)
1	1016036	
2	1016035	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1401.3 Night: 653.4

Standard RMS (mV/m/km): Day: 1472.1

Augmented RMS (mV/m/km): Night: 745.8

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	90.0
2	0.6250	120.000	70.0000	64.000	0	90.0

\* 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	1.0000	-65.600	0.0000	0.000	0	90.0
2	1.2700	65.600	70.0000	64.000	0	90.0

\* 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	3.0	10.0	241.40
2	8.0	10.0	209.21
3	55.0	20.0	281.64
4	64.0	18.0	281.64
5	75.0	22.0	281.64
6	110.0	12.0	320.26
7	130.0	10.0	273.59
8	160.0	40.0	643.74
9	170.0	20.0	756.39
10	180.0	20.0	836.86
11	217.0	34.0	1134.59
12	230.0	26.0	1287.48
13	244.0	28.0	1367.94
14	260.0	32.0	1279.43

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
15	272.0	24.0	1126.54
16	330.0	20.0	619.60
17	340.0	20.0	498.90
18	350.0	20.0	383.02
19	18.0	20.0	201.17

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-117	0.51
2	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-128	0.71
2	0	1

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)
33	2.1	264.6
95	2.83	133.2

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
64	1.66	118
110	4.49	162
130	1.74	150
358	3.06	80.6

## Special operating conditions or restrictions:

1 Monitor point readings shall be taken at the following location:

33 degrees T: The point is located on Janie Court, in the center of the cul-de-sac where the bricks in the road cross.  
DISTANCE: 3.13 km. LIMIT: 264.6 mV/m DAYTIME.

95 degrees T: The point is located in the center of the median directly across from 727 Key Route Blvd.  
DISTANCE: 2.83 km. LIMIT: 133.2 mV/m DAYTIME.

64 degrees T: The point is located 10 ft inside fence on the left side of the sidewalk. There is a sand play ground with a cement square with an X embedded in it.  
DISTANCE: 1.66 km. LIMIT: 118 mV/m NIGHTTIME.

110 degrees T: The point is on the west side of Grant St. on the sidewalk, 65 ft. South of the fence at the end of the street.  
DISTANCE: 4.49 km. LIMIT: 162 mV/m NIGHTTIME.

130 degrees T: The point is 10 feet north of lamp post on western edge of on ramp (marked with orange spray paint).  
DISTANCE: 1.74 km. LIMIT: 150 mV/m NIGHTTIME.

358 degrees T: The point is in the park. Proceed 60 ft. north along the North South fence, adjacent the nearest baseball diamond backstop. Point is 15 feet west of small bush in fence.  
DISTANCE: 3.06 km. LIMIT: 80.6 mV/m NIGHTTIME.

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