United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

KJAY, LLC
5030 SOUTH RIVER ROAD
WEST SCARAMENTO CA 95691

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: MAR 12 2018

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

Facility Id: 65226

Call Sign: KJAY

License File Number: BMML-20170320ANX

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: Daytime with Secondary nighttime

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.	5:15 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

Callsign: KJAY License No.: BMML-20170320ANX

Name of Licensee: KJAY, LLC

Station Location: SACRAMENTO, CA

Frequency (kHz): 1430

Station Class: D

Antenna Coordinates:

		Day			
Latitude:	N	38 Deg	30 Min	17 Sec	
Longitude:	W	121 Deg	33 Min	39 Sec	

		Night			
Latitude:	N	38 Deg	30 Min	17 Sec	
Longitude:	W	121 Deg	33 Min	39 Sec	

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

Nominal Power (kW): Day: 0.5 Night: 0.020

Antenna Input Power (kW): Day: 0.54 Night: 0.022

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 3.29 Night: 0.66

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	54
2	None	54
3	None	54
4	None	54

Night:

Tower No.	ASRN	
1	None	54
2	None	54
3	None	54
4	None	54

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 199.56 Night: 39.91

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 229.91 Night: 45.98

Q Factor: Day: Night: 2

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	88.9
2	1.0000	22.000	210.0000	310.000	0	88.9
3	1.0000	-96.000	90.0000	30.000	0	88.9
4	1.0000	-74.000	210.0000	310.000	1	88.9

* 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	10.0	40.0	273.09
2	45.0	70.0	579.14
3	80.0	62.0	310.33
4	111.0	24.0	25.11
5	123.0	24.0	22.53
6	146.0	42.0	14.48
7	189.0	42.0	18.51
8	210.0	42.0	32.19
9	231.0	42.0	19.31
10	267.0	30.0	23.34
11	292.0	50.0	112.65
12	317.0	50.0	201.97
13	350.0	40.0	33.80

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	88.9
2	1.0000	22.000	210.0000	310.000	0	88.9
3	1.0000	-96.000	90.0000	30.000	0	88.9

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
4	1.0000	-74.000	210.0000	310.000	1	88.9

* 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	10.0	40.0	54.60
2	45.0	70.0	115.80
3	80.0	62.0	62.10
4	111.0	24.0	5.00
5	123.0	24.0	4.50
6	146.0	42.0	2.90
7	189.0	42.0	3.70
8	210.0	42.0	6.40
9	231.0	42.0	3.90
10	267.0	30.0	4.70
11	292.0	50.0	22.50
12	317.0	50.0	40.40
13	350.0	40.0	6.80

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	21.6	0.985
3	-89.4	0.91
4	-71.2	0.96

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	21.6	0.985
3	-89.4	0.91
4	-71.2	0.96

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 240 equally spaced, buried, copper radials about the base of each tower, each 51.8 meters in length. Intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

*** END OF AUTHORIZATION ***