



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CBS RADIO STATIONS INC.
 1725 DESALES ST NW
 SUITE 501
 WASHINGTON DC 20036

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 72716

Call Sign: KRAK

License File Number: BMML-20091118AGZ

Grant Date: April 05, 2010

This license expires 3:00 a.m.
 local time, December 01, 2013.

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

Callsign: KRAK

License No.: BMML-20091118AGZ

Name of Licensee: CBS RADIO STATIONS INC.

Station Location: HESPERIA, CA

Frequency (kHz): 910

Station Class: B

Antenna Coordinates:

Day

Latitude: N 34 Deg 23 Min 19 Sec

Longitude: W 117 Deg 23 Min 29 Sec

Night

Latitude: N 34 Deg 23 Min 19 Sec

Longitude: W 117 Deg 23 Min 29 Sec

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

Nominal Power (kW): Day: 0.7 Night: 0.5

Antenna Input Power (kW): Day: 0.76 Night: 0.54

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 3.89 Night: 3.29

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1028582	
2	1028754	
3	1028755	
4	1028756	

Night:

Tower No.	ASRN	Overall Height (m)
1	1028582	
2	1028754	
3	1028755	
4	1028756	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 289.64 Night: 247.05
 Standard RMS (mV/m/km): Night:
 Augmented RMS (mV/m/km): Day: 304.44
 Q Factor: Day: 10.11 Night: 10.95

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5100	-140.400	0.0000	0.000	0	86.5
2	1.0000	0.000	105.0000	220.000	0	86.5
3	0.9600	142.800	210.0000	220.000	0	86.5
4	0.4500	-73.300	315.0000	220.000	0	86.5

* 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	195.5	30.0	18.00
2	244.5	30.0	25.00
3	288.5	30.0	25.00
4	320.0	30.0	36.00

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	86.5
2	1.5900	194.070	105.0000	220.000	0	86.5
3	1.2000	39.080	210.0000	220.000	0	86.5
4	0.5500	249.830	315.0000	220.000	0	86.5

* 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	-143	0.472
2	0	1
3	142	1.028

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
4	-75.2	0.505

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	164.7	0.654
2	0	1
3	-156.6	0.729
4	49	0.322

Antenna Monitor: POTOMAC INSTRUMENTS AM19D(204)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The permittee/licensee 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.

- 2 The licensee shall perform the measurements described in Section 73.155 at least once within every 24 month period.

*** END OF AUTHORIZATION ***