



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

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

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 9637

Call Sign: KCBS

License File Number: BL-19910802AD

Grant Date: January 21, 1992

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

License reissued to specify new antenna monitor and daytime tower
 sequence. (JBS 6/23/2000)

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.	6:30 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: CBS RADIO EAST INC.

Station Location: SAN FRANCISCO, CA

Frequency (kHz): 740

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 08 Min 23 Sec

Longitude: W 122 Deg 31 Min 45 Sec

Night

Latitude: N 38 Deg 08 Min 23 Sec

Longitude: W 122 Deg 31 Min 45 Sec

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

Nominal Power (kW): Day: 50.0 Night: 50.0

Antenna Input Power (kW): Day: 52.65 Night: 52.65

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 32.4 Night: 32.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1012837	
2	1012838	
3	1012839	
4	1012840	

Night:

Tower No.	ASRN	Overall Height (m)
1	1012837	
2	1012838	
3	1012839	
4	1012840	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2333.55 Night: 2299.6

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 2529.44 Night: 2416.63

Q Factor: Day: 70.71 Night: 70.71

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	135.5
2	0.6000	-116.000	90.0000	148.000	0	135.5
3	0.2100	-120.000	201.2000	211.400	0	135.5
4	0.4000	-4.000	180.0000	238.000	0	135.5

* 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	5.0	14.0	1110.45
2	12.5	15.0	965.61
3	20.0	15.0	836.86
4	32.5	25.0	965.61
5	45.0	18.0	1164.63
6	54.0	18.0	1321.56
7	133.5	27.0	4828.03
8	147.0	27.0	5471.77
9	170.0	46.0	4506.16

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	135.5
2	0.9330	-110.700	90.0000	148.000	0	135.5
3	0.7660	-125.500	201.2000	211.400	0	135.5
4	0.8800	-2.700	180.0000	238.000	0	135.5

* 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	282.5	40.0	320.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Sample	Monitor Current Ratio
1	0	1	
2	-119.5	0.56	
3	-128.5	0.29	
4	3	0.482	

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Sample	Monitor Current Ratio
1	0	1	
2	-116	1.07	
3	-130.5	0.89	
4	-6	1.082	

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)
20	3.91	282
110	4.01	766

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
9.5	3.75	35.9
27.5	11.39	30.14
41	3.56	74.3
282.5	3.06	83.9
326.5	13.07	108.7

*** END OF AUTHORIZATION ***