



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

 CAPSTAR TX LLC
 2625 S. MEMORIAL DRIVE
 SUITE A
 TULSA OK 74129

Son Nguyen
 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 20371

Call Sign: WMMV

License File Number: BZ-19850226AB

Grant Date: October 04, 1985

This license expires 3:00 a.m.
 local time, February 01, 2012.

This supersedes authorization of same date to remove marking and lighting requirement. HKC 4/20/2010

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

Name of Licensee: CAPSTAR TX LLC

Station Location: COCOA, FL

Frequency (kHz): 1350

Station Class: B

Antenna Coordinates:

Day

Latitude: N 28 Deg 21 Min 58 Sec

Longitude: W 80 Deg 45 Min 08 Sec

Night

Latitude: N 28 Deg 21 Min 58 Sec

Longitude: W 80 Deg 45 Min 08 Sec

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

Nominal Power (kW): Day: 1.0 Night: 1.0

Antenna Input Power (kW): Day: 1.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 4.66 Night: 4.57

Resistance (ohms): Day: 46 Night: 52

Non-Directional Antenna: Day

Radiator Height: meters; 84 deg

Theoretical Efficiency: 299.34 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No. ASRN
1 None

Night:

Tower No. ASRN
1 None
2 None
3 None

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 300.95
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 317.56
 Q Factor: Night: 12.98

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.7580	-208.000	0.0000	0.000	0	84.0
2	1.0000	13.000	90.0000	70.000	0	84.0
3	0.7580	208.000	180.0000	70.000	0	84.0

* 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	15.0	10.0	276.65
2	59.5	21.0	626.49
3	70.0	21.0	639.38
4	131.0	10.0	209.21
5	180.0	12.0	221.09
6	186.0	12.0	210.47
7	242.5	15.0	136.79
8	250.0	15.0	141.62
9	257.5	15.0	131.97
10	285.0	10.0	92.04

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	138	0.78
2	0	1
3	-152	0.76

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
180	2.33	72.5
250	3.3	34.2
280	3.62	12.4
353	3.22	13.4

Special operating conditions or restrictions:

- 1 Ground System consists of 120 equally spaced, buried copper radials each 170' in length except where limited to 155' at the East and West end of the tower line, plus a 24' x 24' ground screen around the base of each tower.

Description of Directional antenna system: Three(3) uniform cross section, guyed, series-excited vertical steel radiators.

- 2 Description of and Field Intensity at Monitoring Points:

Direction of 180° True North: From 740 Clearlake Road, proceed south on Clearlake 1.5 miles to Pluckebaum Road, turn east and travel 0.18 mile to the monitor point on the north edge of the road midway between two rows of trees growing on the north side of the road along the drainage ditch. The monitor point is located by a stake between the road and the ditch. Distance from transmitter 1.45 miles. The field intensity measured at this point should not exceed 72.5 mV/m.

Direction of 250° True North: From the transmitter at 2405 Broadcast Court, proceed west 0.2 miles to Clearlake Road. Turn left (south) on Clearlake road and proceed 0.85 miles to State Road 520. Turn right (west) on State Road 520 and travel 1.8 miles to Lakeview Boulevard. Turn left (south) on Lakeview Boulevard and proceed 0.15 miles to Denton Circle. Turn left (east) on Denton Circle and proceed 0.1 miles to the measurement point, at the southeast corner of Denton Circle. This point is 2.05 miles from the transmitter. The field intensity measured at this point should not exceed 34.2 mV/m.

Direction of 353° True North: From the transmitter at 2405 Broadcast Court, proceed west 0.2 miles to Clearlake Road. Turn right (north) and proceed 2.0 miles to State Road 524. Turn left (west) and proceed 0.05 miles to speed sign. The measurement point is 10 paces east of the speed sign. This point is 2.0 miles from the transmitter. The field intensity measured at this point should not exceed 13.4 mV/m.

Direction of 280° True North: From 740 Clearlake Road, proceed south 0.35 miles to Lake Drive. Turn west on Lake Drive and travel 2 miles to Cox Road. Turn north on Cox Road and travel 0.9 mile to the monitor point which is located on the east edge of a small man made lake. The monitor point is marked with a stake. Distance from transmitter 2.25 miles. The field intensity measured at this point should not exceed 12.4 mV/m.

*** END OF AUTHORIZATION ***