

United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CAPSTAR TX LIMITED PARTNERSHIP
2625 S MEMORIAL DR, SUITE A
TULSA OK 74129

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 53589

Call Sign: KNST

License File Number: BZ-19981204AB

Grant Date: August 28, 2000

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

This authorization re-issued to correct day monitor point radials and add night monitor point radials. (9/18/00)

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

Call sign: KNST

License No.: BZ-19981204AB

Name of Licensee: CAPSTAR TX LIMITED PARTNERSHIP

Station Location: TUCSON, AZ

Frequency (kHz): 790

Station Class: B

Antenna Coordinates:

Day

Latitude: N 32 Deg 14 Min 54 Sec

Longitude: W 111 Deg 00 Min 30 Sec

Night

Latitude: N 32 Deg 14 Min 54 Sec

Longitude: W 111 Deg 00 Min 30 Sec

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

Nominal Power (kW): Day: 5.0 Night: 0.50

Antenna Input Power (kW): Day: 5.4 Night: 0.54

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.39 Night: 3.29

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1003691	
2	1003692	
3	1003690	

Night:

Tower No.	ASRN	Overall Height (m)
1	1003692	
2	1003691	
3	1003690	

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DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 637.3 Night: 201.17

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

Augmented RMS (mV/m/km):

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	72.3
2	0.6000	90.000	90.0000	270.000	0	72.3
3	0.2000	-90.000	90.0000	90.000	0	72.3

* 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	250.0	10.0	117.48
2	270.0	20.0	112.65

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.6000	90.000	0.0000	0.000	0	72.3
2	1.0000	0.000	90.0000	90.000	0	72.3
3	0.2000	-90.000	180.0000	90.000	0	72.3

* 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	0.0	16.0	189.90

Day Directional Operation:

Twr. Phase No. (Deg.) Antenna Monitor Sample Current Ratio

1 0 1

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
2 -103.5	0.33
3 96	0.83

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 -103.5	0.33
3 96	0.83

Antenna Monitor: Potomac Instruments AM-19(204)

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
250	4.66	42.8
270	5.19	27.1

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
250	4.66	13.5
270	5.19	8.5

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 Day theoretical towers and registrations for tower #1, 2 & 3 refer to physical tower (C)#1, (W)#3 and (E)#2. Day operating parameters refer to (C)#1, (E)#2 and (W) #3.
Night theoretical towers and registrations for tower #1, #2 and #3 refer to tower (W)#3, (C)#1 and (E)#2. Night operating parameters refer to (C)#1, (E)#2 and (W) #3,

*** END OF AUTHORIZATION ***