



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

ICA RADIO, LTD.
 700 NORTH GRANT STREET
 SIXTH FLOOR
 ODESSA TX 79761

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 42015

Call Sign: KCRS

License File Number: BZ-20070806AFO

Grant Date: June 03, 2008

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

DM due to equipment replacement.

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.	7:45 AM	6:00 PM	Jul.	5:45 AM	8:00 PM
Feb.	7:30 AM	6:30 PM	Aug.	6:15 AM	7:30 PM
Mar.	7:00 AM	7:00 PM	Sep.	6:30 AM	7:00 PM
Apr.	6:15 AM	7:15 PM	Oct.	6:45 AM	6:15 PM
May	5:45 AM	7:45 PM	Nov.	7:15 AM	5:45 PM
Jun.	5:45 AM	8:00 PM	Dec.	7:45 AM	5:45 PM

Callsign: KCRS

License No.: BZ-20070806AFO

Name of Licensee: ICA RADIO, LTD.

Station Location: MIDLAND, TX

Frequency (kHz): 550

Station Class: B

Antenna Coordinates:

Day

Latitude: N 32 Deg 04 Min 10 Sec

Longitude: W 102 Deg 01 Min 46 Sec

Night

Latitude: N 32 Deg 04 Min 10 Sec

Longitude: W 102 Deg 01 Min 46 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: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10 Night: 4.47

Resistance (ohms): Day: 54 Night: 54

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1230536	
2	1230537	
3	1230533	
4	1230535	

Night:

Tower No.	ASRN	Overall Height (m)
1	1230536	
2	1230534	
3	1230537	
4	1230533	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 651.78 Night: 288.07

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 684.9 Night: 304.6

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	64.5
2	0.1000	-90.000	81.9000	200.000	0	64.5
3	1.0000	78.000	105.0000	130.000	0	64.5
4	0.1000	-12.000	81.9000	200.000	1	64.5

* 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	118.5	15.0	28.97
2	126.0	14.0	33.80
3	133.0	14.0	35.41
4	141.0	15.0	28.97
5	148.5	11.0	32.19
6	154.0	11.0	61.16
7	200.0	80.0	571.32

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	64.5
2	0.9000	132.000	108.9000	85.000	0	64.5
3	0.9000	168.000	81.9000	200.000	0	64.5
4	0.8100	300.000	108.9000	85.000	1	64.5

* 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	20.5	45.0	52.17
2	65.0	44.0	304.26
3	92.0	53.0	193.12
4	118.5	29.0	38.62
5	133.0	29.0	52.30
6	133.0	10.0	53.11
7	148.5	31.0	38.62
8	174.0	51.0	240.07
9	280.0	75.0	90.19

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-86	0.088
3	75	1
4	-11	0.088

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	131.5	0.91
3	169	0.91
4	-59.5	0.815

Antenna Monitor: POTOMAC INSTRUMENTS AM-19

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 Daytime array consists of towers NW, SW, EC, SE. Nighttime array consists of towers NW, NE, SW, EC.

Special operating conditions or restrictions:

2 MONITOR POINT DESCRIPTIONS

20.5° - From intersection of State Farm Roads (SFR) 1208 and 1212, proceed on SFR 1212 west for 6.92 km to point on left side of road, 110 paces into field towards station, 12.4 km from site, max 6.1 mV/m nighttime.

65° - From intersection of SFR 1208 and 1212, proceed south on SFR 1208 for 3.7 km to point, located 100 paces to the west in field towards KCRS, 9.49 km from site, max 29.1 mV/m nighttime.

118.5° - From intersection of Business 20 and Fairgrounds Road, proceed east 6.44 km just past IH 20 overpass, then make U -turn at Business 20 East sign and cross over to west lanes of Business 20 West to point, located 20 paces to the north, 5.55 km from site, max 7.1 mV/m nighttime, max 5.2 mV/m daytime.

133° - From intersection of Business 20 and Fairgrounds Road, proceed east 6.44 km just past IH 20 overpass, then make U -turn at Business 20 East sign and cross over to west lanes of Business 20 West, then proceed west for 0.80 km to railroad crossing on south side of Business 20, then west over tracks on Business 20 south access road for 0.48 km to point located 10 feet from south shoulder of Business 20 south access road, 5.07 km from site, max 10.4 mV/m nighttime, max 6.0 mV/m daytime.

280° - Proceed north from Loop 250 overpass and State Road 349 for 3.94 km, point located on west side of road, 5.55 km from site, max 11.2 mV/m nighttime.

*** END OF AUTHORIZATION ***