

Name of Licensee: THE RAFTT CORPORATION

Station Location: STOCKDALE, TX

Frequency (kHz): 1520

Station Class: D

Antenna Coordinates:

Day

Latitude: N 29 Deg 11 Min 35 Sec

Longitude: W 97 Deg 52 Min 00 Sec

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

Nominal Power (kW): Day: 2.5

Antenna Input Power (kW): Day: 2.7

Antenna Mode: Day: DA

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

Current (amperes): Day: 7.37

Resistance (ohms): Day: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	46
2	None	46
3	None	46
4	None	46

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 460.4

Standard RMS (mV/m/km): Day: 483.8

Augmented RMS (mV/m/km):

Q Factor: Day:

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	83.3
2	1.0000	143.000	56.6000	116.500	0	83.3
3	1.0000	49.000	233.3000	182.000	0	83.3
4	0.9200	176.000	257.2000	170.000	0	83.3

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 141	0.983
3 48.7	1
4 175.3	0.962

Antenna Monitor: POTOMAC INSTRUMENTS 1901-4

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)
21.5	5.1	6
78	3.77	5.7
110.5	5.1	11
158.5	4.77	20.3
234	5.48	11.9
343	3.77	6.3

Special operating conditions or restrictions:

1 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

2 Licensee must submit the information required pursuant to 47 CFR Section 73.99(e) if a Presunrise (PSRA) and/or Postsunset Authorization (PSSA) is desired. License may NOT utilize any older PSSA/PSRA from old license facility due to change in site and daytime pattern.

3 Monitor Point Descriptions:

21.5° - From intersection of FM 1437 and CR 458, proceed right on CR 458 for 0.6 km to the point located on west side of road (fence marked with orange paint).

78° - From intersection of FM 1437 and CR 458, proceed right on CR 458 for 5.0 km to point located on west side of road (fence marked with orange paint)

110.5° - From intersection of FM 1437 and CR 458, proceed right on CR 458 for 7.7 km to point located on west side of road (high game fence marked with orange paint)

158.5° - Proceed to 7851 Texas Highway 119, which is entrance to Rancho Buena Vecinos ranch, and point is located at the cattle guard at ranch entrance gate.

234° - From intersection Texas Highway 119 and Korzekwa Road, proceed to point located on west side of TX 119 in front of entrance gate to Benevides Ranch cattle guard, adjacent to cattle guard at ranch entrance.

343° - Monitor point located at 11669 FM 1347, on south side of FM 1347.

Special operating conditions or restrictions:

- 4 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 49.2 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 7.3 meters square, about the base of each tower.

*** END OF AUTHORIZATION ***