



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Official Mailing Address:

TUCSON RADIO, LLC
 3233 E VIA PALOS VERDES
 TUCSON AZ 85716

Authorizing Official:

Nazifa Sawez

Nazifa_Sawez
 Assistant Chief
 Audio Division
 Media Bureau

Grant Date: **AUG 1 2019**

This license expires 3:00 a.m.
 local time, October 01, 2021.

Facility Id: 20649

Call Sign: KFLT

License File Number: BML-20190430ABI

This license modifies license no.: BML-20140612ADN
 Application for conversion to Commercial Status

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

Callsign: KFLT

License No.: BML-20190430ABI

Name of Licensee: TUCSON RADIO, LLC

Station Location: TUCSON, AZ

Frequency (kHz): 830

Station Class: B

Antenna Coordinates:

Day

Latitude: N 32 Deg 26 Min 39 Sec

Longitude: W 111 Deg 05 Min 27 Sec

Night

Latitude: N 32 Deg 26 Min 39 Sec

Longitude: W 111 Deg 05 Min 27 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: 1.0

Antenna Input Power (kW): Day: 50.0 Night: 0.97

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 33 Night: 4.4

Resistance (ohms): Day: 46 Night: 50

Non-Directional Antenna: Day

Radiator Height: meters; 90 deg

Theoretical Efficiency: 305.77 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1010639	

Night:

Tower No.	ASRN	Overall Height (m)
1	1010635	
2	1010636	
3	1010637	
4	1010638	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 288.87
 Standard RMS (mV/m/km): Night: 303.32
 Augmented RMS (mV/m/km):
 Q Factor: Night: 12.7

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4160	-145.500	0.0000	0.000	0	90.0
2	1.0000	0.000	90.0000	340.000	0	90.0
3	0.9000	146.000	180.0000	340.000	0	90.0
4	0.3040	-68.500	270.0000	340.000	0	90.0

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-145	0.472
2	0	1
3	138.5	0.768
4	-87.5	0.192

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D

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)
24.5	21.8	0.2
44.5	3.3	3.3
69.5	16.7	1
250.5	6.8	1.6
274.5	11.1	1.4
295.5	19.3	0.53

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

24.5° - From intersection of Oracle Road and Highway 79, proceed west on Hwy 79 for 9.17 km to mile marker #97, then continue 0.16 km to highway reflector post painted orange on left side of road. Point located 10 feet southeast of post along edge of pavement, 21.8 km from site, max 0.2 mV/m nighttime.

44.5° - From intersection of Dove Canyon Pass and Canyon Mountain Road, proceed left on Canyon Mountain Road to end of pavement, then turn onto gravel road for 0.16 km. Point located next to west post holding hinged end of rusted trapezoid shaped gate, 3.3 km from site, max 3.3 mV/m nighttime.

69.5° - Point located near southwest corner of lot (for building at 15999 N. Oracle Road), between fire hydrant and wooden fence, 50 feet west of pavement of Oracle Road, and 100 feet south of AT&T marker post 575+40, 16.7 km from site, max 1.0 mV/m nighttime.

250.5° - From intersection of Mountain Road and Tangerine Road, proceed west on Tangerine for 7.16 km, then left towards trailer park entrance. Proceed 360 feet from stop sign to west entrance, then left at west entrance and south past trailers, then turn right and proceed west for 485 feet towards I-10. Point located at intersection of two imaginary lines. North-south line from north using large highway road sign on 8 foot diameter steel pole, and from south 50 foot telephone pole located 224 feet north of monitor point. East-west line from west using middle post of three wooden 6X6 square posts 5 feet high, located 80 feet west, perpendicular to monitor point. 6.8 km from site, max 1.6 mV/m nighttime.

274.5° - Point located on west side of pavement at water meter cover in front of 1355 Lon Adams Road, opposite six foot cyclone fence post on east side of pavement. Lines up with four inch steel post supporting baseball home plate 18 foot cyclone fence, the back wall of a building behind the school, and the center of the south slope of a mountain in background to the east. 11.1 km from site, max 1.4 mV/m nighttime.

295.5° - From intersection of Dove Mountain Road and Tangerine Road, turn right on Tangerine and proceed 8.0 km to frontage road on east side of I-10. Turn right on frontage road and proceed 13.4 km to last mile marker (#232) and then an additional 1.61 km to point, located on eastern side of frontage road, 410 feet south of center of intersection of Missile Base Road, and 6 feet east of frontage road pavement edge, 19.3 km from site, max 0.53 mV/m nighttime.

*** END OF AUTHORIZATION ***