



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**TELEVISION BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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KTTU-TV, INC.  
8350 BROAD STREET, SUITE 2000  
TYSONS VA 22102

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Clay C. Pendarvis  
Associate Chief  
Video Division  
Media Bureau

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Facility Id: 11908  
Analog TSID: 220  
Digital TSID: 221  
Call Sign: KTTU  
License File Number: BLCDT-20030926ANZ  
This License Covers Permit No.: BMPCDT-20021030AAC

Grant Date: January 06, 2004  
This license expires 3:00 a.m.  
local time, October 01, 2006.

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.

Callsign: KTTU

License No.: BLCDT-20030926ANZ

Name of Licensee: KTTU-TV, INC.

Station Location: AZ-TUCSON

Frequency (MHz): 500 - 506

Channel: 19

Hours of Operation: Unlimited

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

Antenna type: (directional or non-directional): Directional

Description: DIE, TUA-C3-12/36H-1-R

Beam Tilt: 1.2 Degrees Electrical

Major lobe directions            180  
(degrees true):

Antenna Coordinates: North Latitude:    32 deg   24 min   56 sec  
   West Longitude:   110 deg   42 min   50 sec

Transmitter output power: 13.4 kW  
   11.3 DBK

Maximum effective radiated power (Average):            480 kW  
   26.8 DBK

Height of radiation center above ground:                53 Meters

Height of radiation center above mean sea level: 2659 Meters

Height of radiation center above average terrain: 1123 Meters

Antenna structure registration number: 1007178

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

\*\*\* END OF AUTHORIZATION \*\*\*