

MINOR CHANGE APPLICATION
BOARD OF TRUSTEES OF
THE UNIVERSITY OF ARKANSAS
KUAP RADIO STATION
CH 209C2 - 89.7 MHZ - 50.0 KW
PINE BLUFF, ARKANSAS
November 2006

EXHIBIT B

Channel 6 Television Interference Analysis

The proposed KUAP is located within the distance specified in §73.525(a)(1) of the rules as it relates to WABG-TV, Channel 06+, Greenwood, Mississippi¹ and KEMV, Channel 06-, Mountain View, Arkansas. WABG-TV operates with an effective radiated power of 100.0 kilowatts with a height above average terrain of 597 meters. The WABG-TV licensed site is located at North Latitude 33° 22' 23" and West Longitude 90° 32' 31". KEMV operates with an effective radiated power of 100.0 kilowatts with a height above average terrain of 424 meters. The KEMV site is located at North Latitude 35° 48' 47" and West Longitude 92° 17' 24". The proposed KUAP facility will operate with a circularly polarized antenna with an effective radiated power of 500 kilowatts in the horizontal and vertical planes.

In order for there to be interference to either WABG-TV or KEMV, the proposed KUAP 67.3 dBu (50/10) contour would have to cross the 47.0 dBu contour of the respective TV stations. As shown on Exhibit B1, the interfering contour of KAUP does not reach the protected contour of either TV station. As such this proposal is in compliance with §73.525 with respect to WABG-TV (licensed and applied for) and KEMV.

1) There is a pending minor change application for WABG-TV (BPCT-20030701BNS) which is also considered in this instant review.

Graham Brock, Inc. - Broadcast Technical Consultants

KUAP Proposed
Latitude: 34-14-33 N
Longitude: 092-01-02 W
ERP: 50.00 kW
Channel: 209C2
AMSL Height: 150.3 m

WABG-TV
BLCT-19821102KE
Latitude: 33-22-23 N
Longitude: 090-32-31 W
ERP: 100.00 kW
Channel: 06+
AMSL Height: 632.0 m

WABG-TV App.
BPCT-20030701BNS
Latitude: 33-22-23 N
Longitude: 090-32-25 W
ERP: 100.00 kW
Channel: 06+
AMSL Height: 632.0 m

KEMV
BLET-19800903KE
Latitude: 35-48-47 N
Longitude: 092-17-24 W
ERP: 100.00 kW
Channel: 06-
AMSL Height: 753.0 m

KEMV 47 dBu (50/50)

KUAP 67.3 dBu (50/10)

WABG-TV LIC/APP 47 dBu (50/50)

CHANNEL 6 INTERFERENCE ANALYSIS

EXHIBIT B1
MINOR CHANGE APPLICATION
BOARD OF TRUSTEES OF
THE UNIVERSITY OF ARKANSAS
KUAP RADIO STATION
CH 209C2 - 89.7 MHZ - 50.0 KW
PINE BLUFF, ARKANSAS
November 2006

