
From: James McLuckie
Sent: Tuesday, July 07, 2009 9:53 AM
To: Mohammad Habib; Melvin Collins
Cc: James Ballis; Hossein Hashemzadeh
Subject: RE: STA FOR KFPB

Mohammad and Melvin:

IB has no objection to authorization of the STA for KFPB, BSTA-20090527AHB. The CP application for KFPB will require coordination and prior approval from Mexico, however.

Thanks,
James

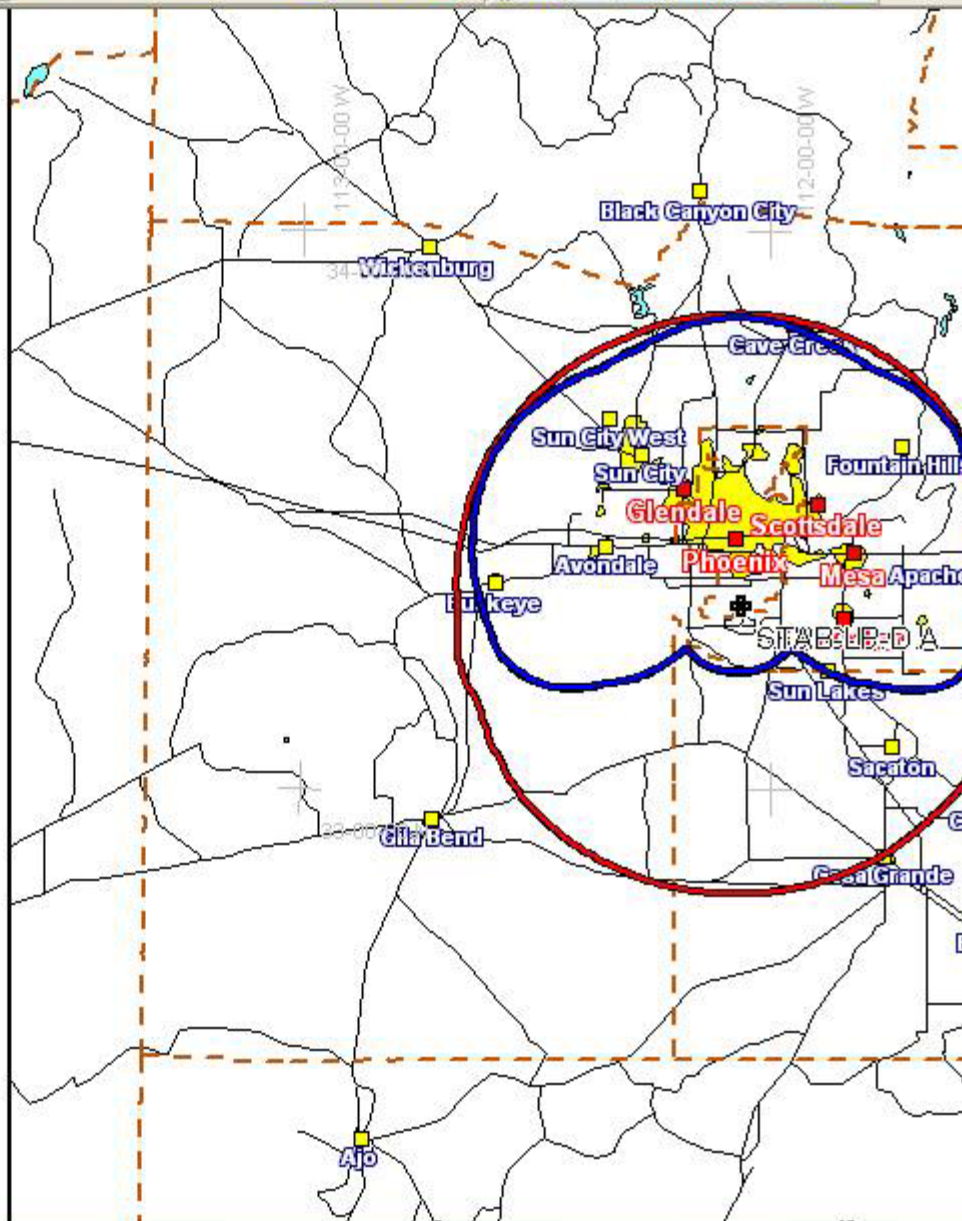


KFPB-LP-D.A

BDFCDTL20090514ACX
 Latitude: 33-19-57.30 N
 Longitude: 112-03-57 W
 ERP: 4.85 kW
 Channel: 50
 Frequency: 689.0 MHz
 AMSL Height: 840.7 m
 Elevation: 807.7 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 0.75
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 301.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast

STA

BSTA20090527AHB
 Latitude: 33-19-57 N
 Longitude: 112-03-57 W
 ERP: 4.50 kW
 Channel: 50N
 Frequency: 689.0 MHz
 AMSL Height: 837.7 m
 Elevation: 806.515 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 301.0



Latitude: 33-19-57 N Longitude: 112-03-57 W Scale: 1:1,500,000 Projection: NAD

Draw Mode: Field Strength

Calc Status: Idle

From: Greg Best [mailto:gbconsulting@kc.rr.com]
Sent: Friday, July 03, 2009 4:57 PM
To: James Ballis; James McLuckie
Cc: Mohammad Habib; jameslprimm@yahoo.com
Subject: STA FOR KFPB

Hi Jim,

This email will serve to explain what was done for the STA request for KFPB that I mentioned last week. Essentially the proposed facility exactly matches an already coordinated application with Mexico. Here are the details.

The applicant for this STA has a digital flash-cut application for his existing construction permit. Due to the location of the proposed facility and because the application proposes digital operation, it is expected to have to go through Mexican coordination. This is expected to take several months before receiving acceptance and authority to begin operation.

Therefore, in order to serve the public in a more effective timeframe, the applicant seeks to request facilities for temporary operation based a different antenna pattern. The combined transmission parameters of the proposed facility exactly matches the same coverage for a digital construction permit already authorized by the FCC for K50LC after going through the Mexican coordination process.

The construction permit for K50LC-LD was authorized by the FCC after going through Mexican coordination. However, K50LC-LD construction permit was dismissed by its applicant because the analog displacement application for KFPB (which received authorization from the FCC) received higher priority processing than the K50LC-LD app. So in effect, the proposed STA facility is 'taking the place' of the same facilities that received Mexican coordination acceptance and was authorized by the FCC. The coordinates for the proposed facility are exactly the same as the coordinates for the K50LC-LD authorized facility. The K50LC-LD application was originally coordinated at an ERP of 5 kW at an RCAGL of 20 meters. When plotted, the contour of the K50LC-LD at 5 kw and 20 meter RCAGL exactly matches the proposed facility at 4.5 kw and 30 meter RCAGL. This is shown by the attached coverage map. The magenta service contour for the proposed facility matches the 'approved' service contour of the K50LC-LD facility.

Therefore, the applicant seeks authorization to operate temporarily and to serve its public during the digital transition by matching the coverage provided by an already authorized construction permit that received Mexican coordination.

To prove that such an application does not cause any objectionable interference to any fFCC authorized facilities or applications, an interference analysis was executed and has passed the FCC FLR OET-69 program. The K50LC-LD construction permit has been withdrawn by the applicant.

The temporary facilities for this digital STA consist of a modified analog transmitter meeting the FCC rules for digital operation, 1 5/8' heliax transmission line, and a Scala 4DR-8-HN antenna.

Regards,
Greg

Greg Best, PE
Greg Best Consulting, Inc.
9223 N. Manning Avenue
Kansas City, MO 64157
816-792-2913

