

Jeff Reynolds

From: Jeff Reynolds
Sent: Thursday, September 14, 2017 3:59 PM
To: frequencymanager@ntia.doc.gov
Subject: FW: Additional Table Mountain Coordination Request/KTFD-DT, TV Channel 32, Boulder, CO
Attachments: KTFD-DT 1st Priority Window Application - Reference Copy Revised.pdf; KDVR Licensed Technical Parameters.pdf; KDVR License TVStudy Table Mountain FS Calculation.pdf

Mike, our client Spanish Television of Denver, Inc., licensee of KTFD-TV, will now be filing an application with the FCC to increase its authorized (FCC File No. 0000025102) ERP on reassigned channel 32 from 395 kW to 1000 kW. In addition, the antenna make and model will also change. There will be no other changes in the authorized operation, including no change in transmitter site or antenna height. By this e-mail, we are requesting to coordinate the proposed channel 32 1000 kW facilities.

Attached is a pdf file for the draft FCC application for the proposed digital channel 32 operation which includes the antenna information (horizontal and vertical plane patterns). The peak main lobe power gain figures are 32.5 (15.12 dBd) for the horizontal polarization and 9.8 (9.89 dBd) for the vertical polarization.

I note that the FCC's *TVStudy* program, which is included with the attached draft FCC application, indicates that the calculated signal level at the nearest point at Table Mountain for the proposed digital channel 32 operation is 101.4 dBu. On the other hand, the same program calculates the signal level from the currently licensed operation (BMLCDT-20130627ABXI) of TV station KDVR on digital channel 32 at Denver, Colorado (located only 6.5 km north-northwest of the KTFD-DT site) to be 103.2 dBu, or 1.8 dB greater than the proposed KTFD-DT digital channel 32 operation. A pdf setting form KDVR's licensed technical parameters on digital channel 32 is attached. Also attached is the 1st page of the output of the TVStudy program for KDVR's licensed operation.

Please do not hesitate to contact me if you find that you need additional information to complete your review.

Sincerely,

Jeff Reynolds

From: Frequency Manager [<mailto:frequencymanager@ntia.doc.gov>]
Sent: Friday, August 18, 2017 4:05 PM
To: Jeff Reynolds
Subject: RE: Table Mountain Coordination Request/KTFD-DT, TV Channel 32, Boulder, CO

Hi Jeff,

Your request for coordination has been granted approval. This coordination is based solely on technical information submitted to our office and not on the actual measured signal. Should a problem arise, we reserve the right to request modifications to your operations.

Regards,

Mike Chang

Boulder Labs Frequency Manager

Institute for Telecommunication Sciences

303.497.4220

From: Jeff Reynolds [<mailto:jeff@dlr.com>]

Sent: Tuesday, July 18, 2017 7:54 AM

To: Frequency Manager <frequencymanager@ntia.doc.gov>

Cc: Allen, Wayne <jallen@ntia.doc.gov>

Subject: FW: Table Mountain Coordination Request/KTFD-DT, TV Channel 32, Boulder, CO

To Whom it May Concern:

Spanish Television of Denver, Inc, licensee of TV station KTFD-DT currently on digital channel 15, Boulder, Colorado (BLCDDT-20110812AAS) was reassigned to digital channel 32 as a result of the TV auction. As such, KTFD-DT has an application pending before the Federal Communications Commission for its reassigned channel 32 operation (FCC File No. 0000025102). By this e-mail, we are requesting to coordinate the facilities proposed in the pending channel 32 application.

Attached are pdf files based on information in the FCC's LMS system that provides the technical parameters for KTFD-DT's licensed digital channel 15 and proposed digital channel 32 operations. The FCC's *TVStudy* program calculates that KTFD-DT's licensed digital channel 15 field strength at the nearest point at Table Mountain is 99.6 dBu. The same program calculates the signal level from the proposed digital channel 32 operation to be 94.9 dBu, or 4.7 dB less than the licensed operation. The 1st page of the output of the TVStudy program which contains the Table Mountain field strength calculations are attached.

I also note that TV station KDVR is currently licensed (BMLCDDT-20130627ABXI) to operate on digital channel 32 at Denver, Colorado (and has been reassigned to TV channel 36). [The licensed KDVR site is located 6.5 km north-northwest of the KTFD-DT site.](#) A pdf setting forth KDVR's licensed technical parameters on digital channel 32 is attached. The FCC's *TVStudy* program calculates that KDVR's licensed digital channel 32 field strength at the nearest point at Table Mountain is 103.2 dBu, or 8.3 dB greater than the proposed KTFD-DT digital channel 32 operation. The 1st page of the output of the TVStudy program for KDVR's licensed operation is also attached.

Please do not hesitate to contact me if you find that you need additional information to complete your review.

Sincerely,

Jeff Reynolds

W. Jeffrey Reynolds
[du Treil, Lundin & Rackley, Inc.](#)
Consulting Engineers
3135 Southgate Circle
Sarasota, Florida 34239-5515
(941) 329-6000 (main number)
(941) 329-6030 (fax)
(941) 329-6013 (direct dial)
E-MAIL: JEFF@DLR.COM