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Federal Communications Commission
Media Bureau, Video Division
445 12th St. S.W.
Washington, D.C. 20554

In evaluating the proposed facility change for KNMD, an evaluation of possible interference according to FCC rules was conducted.

PROPOSED STATION EVALUATION TO POSSIBLE INTERFERENCE CRITERIA

No Spacing violations or contour overlap to Class A stations

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

An outgoing interference study to other applications, construction permits and licensed stations was executed using the OET-69 Longley Rice Methodology using a signal resolution of 1 km and a spacing increment of 0.1 km with an ERP of 0.75 kW (digital average power). This evaluation was based upon the USGS 3 second terrain database with the proposed station having a ground elevation of 3243 meters AMSL and a radiation center above ground level (RCAGL) of 14 meters. The following stations were considered in the study:

Call Sign	FCC File Number	City	State	Distance	Bearing
KCHF-D.C (10)	BPCDT19991029ACR	Santa Fe	NM	63.4	353.7
KTSMTV (09Z)	BLCT2215	El Paso	TX	377.9	180.5
KCHF-D (10)	BLCT850624KS	Santa Fe	NM	64.2	353.8

Of the considered stations, the following stations showed possible interference:

Call Sign	FCC File Number
KCHF-D.C (10)	BPCDT19991029ACR
KCHF-D (10)	BLCT850624KS

The above stations were evaluated for incoming interference using the OET-69 Longley Rice methodology using a signal resolution of 1 km and a spacing increment of 0.1 km. In both cases, the interference predicted was 2 percent or less when rounded to the nearest percent and thus falls within

the 2% *de minimus* limits established by FCC rules. The actual predicted interference is presented below. This evaluation was based upon the USGS 3 second terrain database.

<u>Call Sign</u>	<u>FCC File Number</u>	<u>Predicted Unique interference</u>
KCHF-D.C (10)	BPCDT19991029ACR	2.06%
KCHF-D (10)	BLCT850624KS	1.98 %

Should you have any questions concerning this analysis, please contact me and I will be happy to help.

Sincerely,

Greg Best
President