

INTERFERENCE STUDY
PROPOSED KFCT-DT
CHANNEL 21 – FORT COLLINS, COLORADO
[MODIFICATION OF BPCDT-19990830AAH]

The instant application specifies an ERP of 1,000 kw at 233 meters, which we have determined to be allowable under the FCC's *de minimis* standards with respect to various NTSC and DTV facilities.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe II" computer program, which has been found generally to mimic the FCC's program. In conducting our studies, we employed a signal resolution of 2 kilometers and an increment spacing of 1.0 kilometer along each radial, unless otherwise noted. In addition, we utilized the 1990 U.S. Census. Changes in interference caused by KFCT-DT to other pertinent stations are tabulated in Exhibit E-2.

As shown, the proposed KFCT-DT facility would not contribute more than two percent DTV interference to the service population of any affected NTSC or DTV station. In addition, this proposal does not result in any NTSC or DTV station receiving more than ten percent total DTV interference to viewers living within its authorized service area.

A Longley-Rice interference study also reveals that the proposed KFCT-DT facility does not cause interference within the protected 74 dBu contour of any potentially affected Class A low power television station.

Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.

EXHIBIT E-2

INTERFERENCE STUDY SUMMARY

PROPOSED KFCT-DT
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<u>Call Sign</u>	<u>City, State</u>	<u>CH.</u>	<u>Coverage Population</u>	<u>Interference Population From KFCT-DT</u>	<u>%</u>	<u>Total DTV Interference</u>	<u>%</u>
KTVD(TV) BLCT-19881219KP	Denver, CO	20	2,075,870	1,460	0.1	49,561	2.4
KTVD(TV) BPCT-20020813ABA	Denver, CO	20	2,093,543	1,284	0.1	45,313	2.2
KXRM-TV BMPCT-19981109KG	Colorado Springs, CO	21	539,955	701	0.1	5,137	1.0
KXRM-TV BLCT-19981109KH	Colorado Springs, CO	21	539,955	701	0.1	5,137	1.0
KDEN(TV) BLCT-19970428KE	Longmont, CO	25	2,149,899	0	0	8,281	0.4
KDEN(TV) BPCT-20040524AOH	Longmont, CO	25	2,157,460	0	0	1,014	<0.1