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**B. W. St. Clair**

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## Exhibit 6

### Engineering Statement in support of Application BLTTV19971124IF Channel 05, Cedar City, UT, Iron County

#### **BACKGROUND**

Applicant holds a license for the operation of K05HB on channel 05, no offset, at the present time. Iron County is making a minor change to increase the ERP of its facilities to better serve the communities receiving its signal. The applicant wishes to change the offset from none to minus (-) and the antenna orientation as well as making the increased ERP. All other parameters stay the same.

#### **INTERFERENCE STUDY**

Channel 05- was analyzed using Longley-Rice methodology in accordance with OET Bulletin 69. The population count was taken from the year 2000 census data. The stations analyzed follow along with any appropriate notes.

#### **ANALYSIS**

KVVU-TV, Henderson, NV, 05+

BLCT19810622KF; The interference to KVVU-TV showed 0.0% population impact.

K05AT, Minersville, UT, 05N

BLTTV554; A study using the current parameters of K05HB and K05AT show 100% interference to the 17 people within the 74dBu FCC contour. With the proposed ERP increase there are still 17 people impacted. Since there are no additional people impacted, this ERP increase should be granted.

**ANALYSIS**

K05AR, Rockville, UT, 05N	BLTTV19800303IH; The interference to K05AR showed 0.0% population impact.
K05BB, Panguitch, UT, 05N	BLTTV4429; The interference to K05BB showed 0.0% population impact.
K05BU, Enterprise, UT, 05Z	BLTTV542; This station is making a change to operate with an offset and this change is expected to be implemented before K05HB's minor change is granted. The interference to K05BU showed 0.0% population impact when studied using a zero (Z) offset.
K05CP, Toquerville, UT, 05N	BLTTV1144; The interference to K05CP showed 0.0% population impact.
K05DU, Orderville, UT, 05N	BLTTV3383; The interference to K05DU showed 0.0% population impact.
K05FY, Tropic, etc, UT, 05N	BLTTV4790; The interference to K05FY showed 0.0% population impact.
K06JA, Cedar Canyon, UT, 06N	BLTV4992; The interference to K06JA showed 0.0% population impact.
K06KO, Kanarraville, UT, 06N	BLTT19801124IQ; The interference to K06KO showed 0.0% population impact.

Prepared By:  
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