

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV CONSTRUCTION PERMIT
STATION KNIN-DT
CALDWELL, IDAHO
CH 10 14 KW (MAX-DA) 818 M

Technical Narrative

This Technical Exhibit supports an application for modification of the DTV construction permit for station KNIN-DT on analog channel 9 at Caldwell, Idaho. Station KNIN-DT is currently authorized (BPCDT-19991028ADF) for DTV operation on channel 10 (192-198 MHz) with a maximum directional effective radiated power (ERP) of 14 kilowatts (kW) and an antenna radiation center height above average terrain (HAAT) of 828 meters.

By means of this application, KNIN-DT proposes to change antenna system and reduce HAAT. No other changes are proposed. Specifically, KNIN-DT proposes to operate on DTV channel 10 from its authorized (CP) DTV site location utilizing a Dielectric model THB-C2-2H/4HD-1-R directional antenna with a maximum ERP of 14 kW and an HAAT of 818 meters. The proposed transmitter site will be located at N43°45'18", W116°05'52". The antenna structure registration number is 1053967.

Figure 1 provides the horizontal and vertical plane radiation patterns for the proposed Dielectric model THB-C2-2H/4HD-1-R directional antenna system.

There are no known authorized full service AM stations within 5 kilometers (3 miles) of the proposed transmitter site. Figure 4 provides a tabulation of known authorized full service FM and TV stations within 16 kilometers (10 miles) of the proposed site. Although no adverse electromagnetic impact is expected, the applicant recognizes its responsibility to correct problems, which are a result of its proposed operation.

The proposed transmitter site is located 583.2 kilometers from the closest point of the Canadian border. The proposed site is more than 1232 kilometers from the closest point of the Mexican border. The closest FCC monitoring station is at Ferndale, Washington approximately 761 kilometers to the northwest. The closest point of the National Radio Quiet Zone (VA/WV) is more than 2982 kilometers to the east. The closest point of the Table Mountain Radio Quiet Zone (CO) is 981 kilometers to the east. The closest radio astronomy site operating on TV channel 37 is at Brewster, Washington, located more than 559 kilometers to the northwest. These separations are sufficient to not be a concern for coordination purposes.

The distances to the predicted 36 dBu and 43 dBu, F(50,90) coverage contours were determined in accordance with the provisions of Section 73.625. The average elevations from 3.2 to 16.1 kilometers from the transmitter site, were obtained from the NGDC 30-second terrain database and were used for determining the distances to coverage contours.

Figure 2 is a map showing the predicted 36 dBu and 43 dBu, F(50,90), coverage contours. The Caldwell city limits were derived from information contained in the 2000 U.S. Census for Idaho.

Figure 3 is the separation study for DTV channel 10 from the proposed KNIN-DT site. The study has been used to determine the assignments requiring interference studies using the procedures outlined in the FCC's OET-69 bulletin. An interference analysis has been conducted using the procedures outlined in the FCC's OET-69 bulletin which demonstrates that the proposal complies with the interference protection provisions of Section 73.623(c)(2).¹ The interference analysis

¹ The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed. An Alpha based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

was based on the presumption that other DTV facilities are operating at the DTV power level specified for their allotment and at their allotment site and HAAT. Interference calculations for the proposed KNIN-DT DTV operation are summarized below.

Protected NTSC/DTV Station	FCC Service Population	Current Interference	Proposed Interference Population
KNIN-TV, NTSC Ch. 9 Caldwell, ID	389,986	0.0%	0 (0.0%)
KISU-TV, NTSC Ch. 10 Pocatello, ID	232,497	0.0%	0 (0.0%)
KENV, NTSC Ch. 10 Elko, NV	27,231	0.0%	0 (0.0%)
KWSU-TV, NTSC Ch. 10 Pullman, WA	386,188	0.0%	0 (0.0%)
KMTV, NTSC Ch. 11 Twin Falls, ID	133,459	0.0%	0. (0.0%)

From the above, it is apparent that the proposed KNIN-DT DTV operation on channel 10 complies with the FCC's 2%/10% interference standard towards all authorized analog and DTV assignments.

An evaluation of the potential for adverse impact to Class A LPTV stations was undertaken. The results indicate that the proposed operation will not adversely effect any eligible Class A LPTV stations.

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna is located 54 meters above ground level. The maximum DTV ERP is 14 kW. A "worst-case" vertical plane relative field value of 0.15 (for angles below 60 degrees downward) is assumed for the antenna's downward radiation (see Figure 1). The calculated power density at a point 2 meters above ground level is 0.0039 mW/cm². This is 1.95% of the FCC's recommended limit of 0.20 mW/cm² for channel 10 for an "uncontrolled" environment. Therefore, based on the

new responsibility threshold of 5%, the proposal will comply with the new RF emission rules.

Access to the transmitting site is restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, an agreement is in effect with the other stations in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing RF protective clothing or scheduling work when the stations are at reduced power or shut down.

If there are questions concerning the technical portion of this application, please contact the office of the undersigned.

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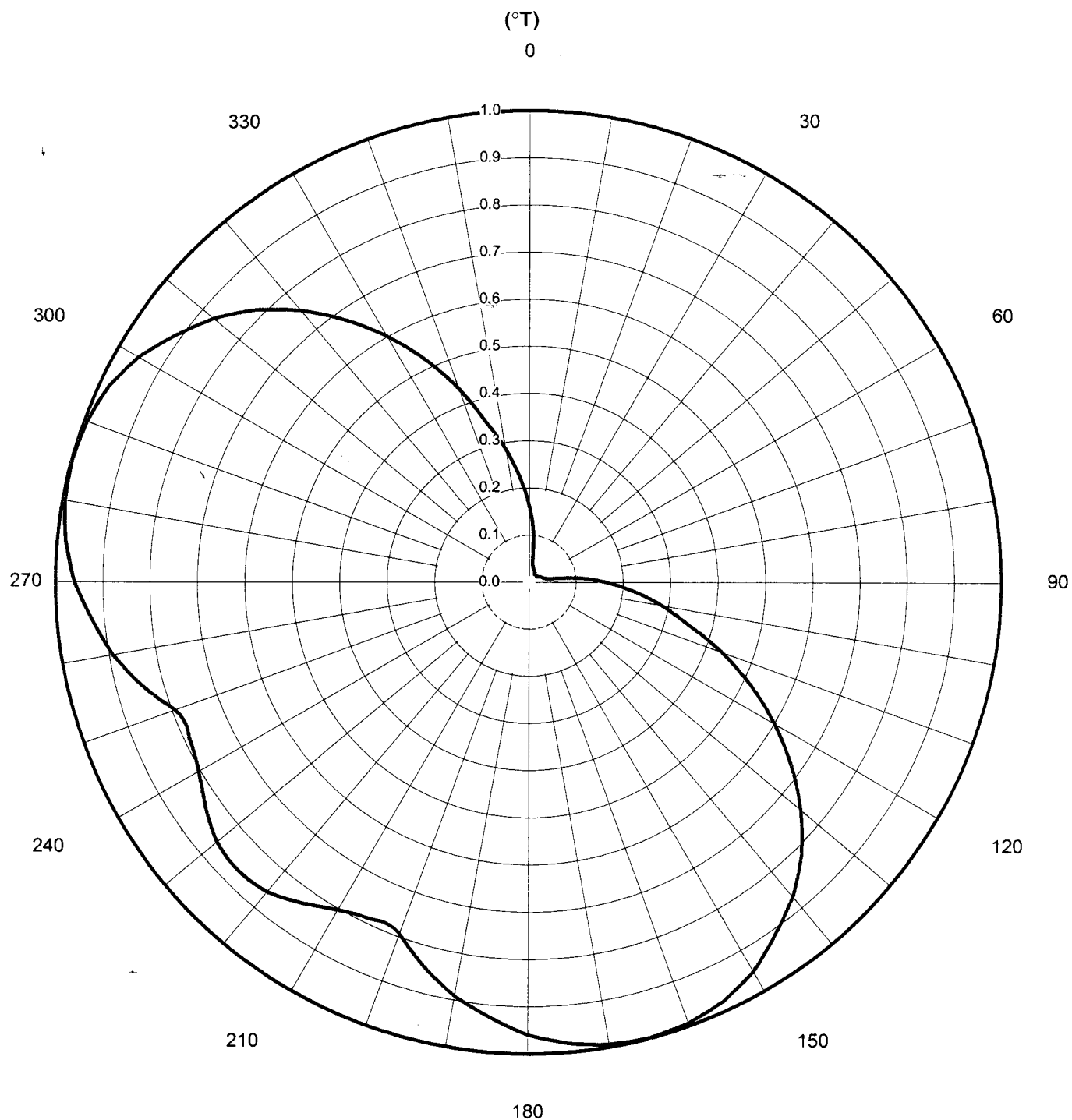
October 12, 2001

Proposal Number	DCA-9374	
Date	7-May-01	
Call Letters	KNIN-DT	Channel 10
Location	Caldwell, ID	
Customer	KNIN	
Antenna Type	THB-C2-2H/4HD-1-R	

AZIMUTH PATTERN

Gain **2.09** (3.20 dB)
Calculated / Measured **Calculated**

Frequency **192.00 MHz**
Drawing # **THB-C2-10**



Proposal Number **DCA-9374**
 Date **7-May-01**
 Call Letters **KNIN-DT** Channel **10**
 Location **Caldwell, ID**
 Customer **KNIN**
 Antenna Type **THB-C2-2H/4HD-1-R**

TABULATION OF AZIMUTH PATTERN

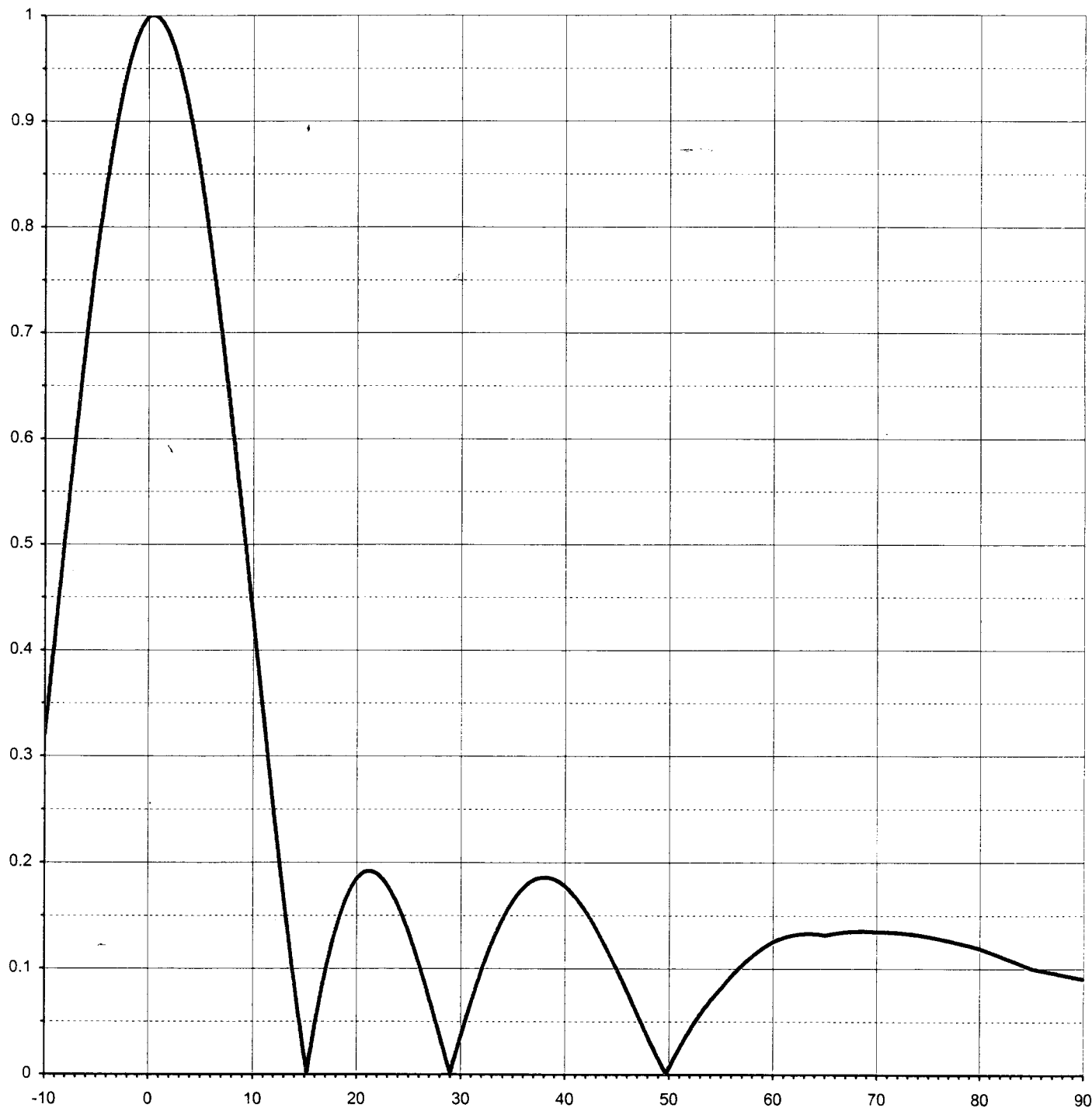
(°T)		(°T)		(°T)		(°T)		(°T)		(°T)		(°T)		(°T)	
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.161	45	0.020	90	0.161	135	0.817	180	0.961	225	0.866	270	0.961	315	0.817
1	0.149	46	0.020	91	0.173	136	0.827	181	0.955	226	0.866	271	0.966	316	0.804
2	0.138	47	0.020	92	0.185	137	0.838	182	0.948	227	0.865	272	0.970	317	0.791
3	0.127	48	0.020	93	0.197	138	0.849	183	0.941	228	0.863	273	0.974	318	0.777
4	0.116	49	0.020	94	0.209	139	0.860	184	0.934	229	0.861	274	0.978	319	0.764
5	0.104	50	0.020	95	0.221	140	0.870	185	0.927	230	0.858	275	0.982	320	0.751
6	0.087	51	0.020	96	0.234	141	0.878	186	0.920	231	0.853	276	0.985	321	0.737
7	0.071	52	0.020	97	0.247	142	0.887	187	0.913	232	0.849	277	0.988	322	0.722
8	0.056	53	0.020	98	0.259	143	0.895	188	0.906	233	0.843	278	0.990	323	0.708
9	0.044	54	0.020	99	0.272	144	0.903	189	0.900	234	0.838	279	0.993	324	0.693
10	0.039	55	0.019	100	0.285	145	0.912	190	0.893	235	0.832	280	0.996	325	0.678
11	0.037	56	0.020	101	0.297	146	0.920	191	0.883	236	0.826	281	0.996	326	0.663
12	0.036	57	0.021	102	0.310	147	0.928	192	0.874	237	0.820	282	0.997	327	0.647
13	0.034	58	0.022	103	0.323	148	0.936	193	0.865	238	0.814	283	0.998	328	0.632
14	0.033	59	0.023	104	0.336	149	0.945	194	0.856	239	0.809	284	0.999	329	0.616
15	0.032	60	0.023	105	0.349	150	0.953	195	0.847	240	0.804	285	1.000	330	0.601
16	0.031	61	0.024	106	0.366	151	0.958	196	0.836	241	0.799	286	0.999	331	0.584
17	0.031	62	0.024	107	0.382	152	0.964	197	0.825	242	0.795	287	0.998	332	0.568
18	0.030	63	0.025	108	0.400	153	0.969	198	0.815	243	0.792	288	0.997	333	0.551
19	0.030	64	0.026	109	0.417	154	0.975	199	0.804	244	0.790	289	0.996	334	0.535
20	0.029	65	0.026	110	0.434	155	0.980	200	0.794	245	0.789	290	0.995	335	0.518
21	0.029	66	0.027	111	0.451	156	0.983	201	0.788	246	0.785	291	0.992	336	0.501
22	0.028	67	0.027	112	0.468	157	0.986	202	0.784	247	0.784	292	0.989	337	0.484
23	0.027	68	0.028	113	0.484	158	0.989	203	0.784	248	0.784	293	0.986	338	0.468
24	0.027	69	0.029	114	0.501	159	0.992	204	0.785	249	0.788	294	0.983	339	0.451
25	0.026	70	0.029	115	0.518	160	0.995	205	0.789	250	0.794	295	0.980	340	0.434
26	0.026	71	0.030	116	0.535	161	0.996	206	0.790	251	0.804	296	0.975	341	0.417
27	0.025	72	0.030	117	0.551	162	0.997	207	0.792	252	0.815	297	0.969	342	0.400
28	0.024	73	0.031	118	0.568	163	0.998	208	0.795	253	0.825	298	0.964	343	0.382
29	0.024	74	0.031	119	0.584	164	0.999	209	0.799	254	0.836	299	0.958	344	0.366
30	0.023	75	0.032	120	0.601	165	1.000	210	0.804	255	0.847	300	0.953	345	0.349
31	0.023	76	0.033	121	0.616	166	0.999	211	0.809	256	0.856	301	0.945	346	0.336
32	0.022	77	0.034	122	0.632	167	0.998	212	0.814	257	0.865	302	0.936	347	0.323
33	0.021	78	0.036	123	0.647	168	0.997	213	0.820	258	0.874	303	0.928	348	0.310
34	0.020	79	0.037	124	0.663	169	0.996	214	0.826	259	0.883	304	0.920	349	0.297
35	0.019	80	0.039	125	0.678	170	0.996	215	0.832	260	0.893	305	0.912	350	0.285
36	0.020	81	0.044	126	0.693	171	0.993	216	0.838	261	0.900	306	0.903	351	0.272
37	0.020	82	0.056	127	0.708	172	0.990	217	0.843	262	0.906	307	0.895	352	0.259
38	0.020	83	0.071	128	0.722	173	0.988	218	0.849	263	0.913	308	0.887	353	0.247
39	0.020	84	0.087	129	0.737	174	0.985	219	0.853	264	0.920	309	0.878	354	0.234
40	0.020	85	0.104	130	0.751	175	0.982	220	0.858	265	0.927	310	0.870	355	0.221
41	0.020	86	0.116	131	0.764	176	0.978	221	0.861	266	0.934	311	0.860	356	0.209
42	0.020	87	0.127	132	0.777	177	0.974	222	0.863	267	0.941	312	0.849	357	0.197
43	0.020	88	0.138	133	0.791	178	0.970	223	0.865	268	0.948	313	0.838	358	0.185
44	0.020	89	0.149	134	0.804	179	0.966	224	0.866	269	0.955	314	0.827	359	0.173

Proposal Number	DCA-9374	
Date	7-May-01	
Call Letters	KNIN-DT	Channel 10
Location	Caldwell, ID	
Customer	KNIN	
Antenna Type	THB-C2-2H/4HD-1-R	

ELEVATION PATTERN

RMS Gain at Main Lobe	4.30	(6.33 dB)
RMS Gain at Horizontal	4.30	(6.33 dB)
Calculated / Measured	Calculated	

Beam Tilt	0.50 deg
Frequency	195.00 MHz
Drawing #	02H043050-S10-90



Proposal Number **DCA-9374**

Date **7-May-01**

Call Letters **KNIN-DT** Channel **10**

Location **Caldwell, ID**

Customer **KNIN**

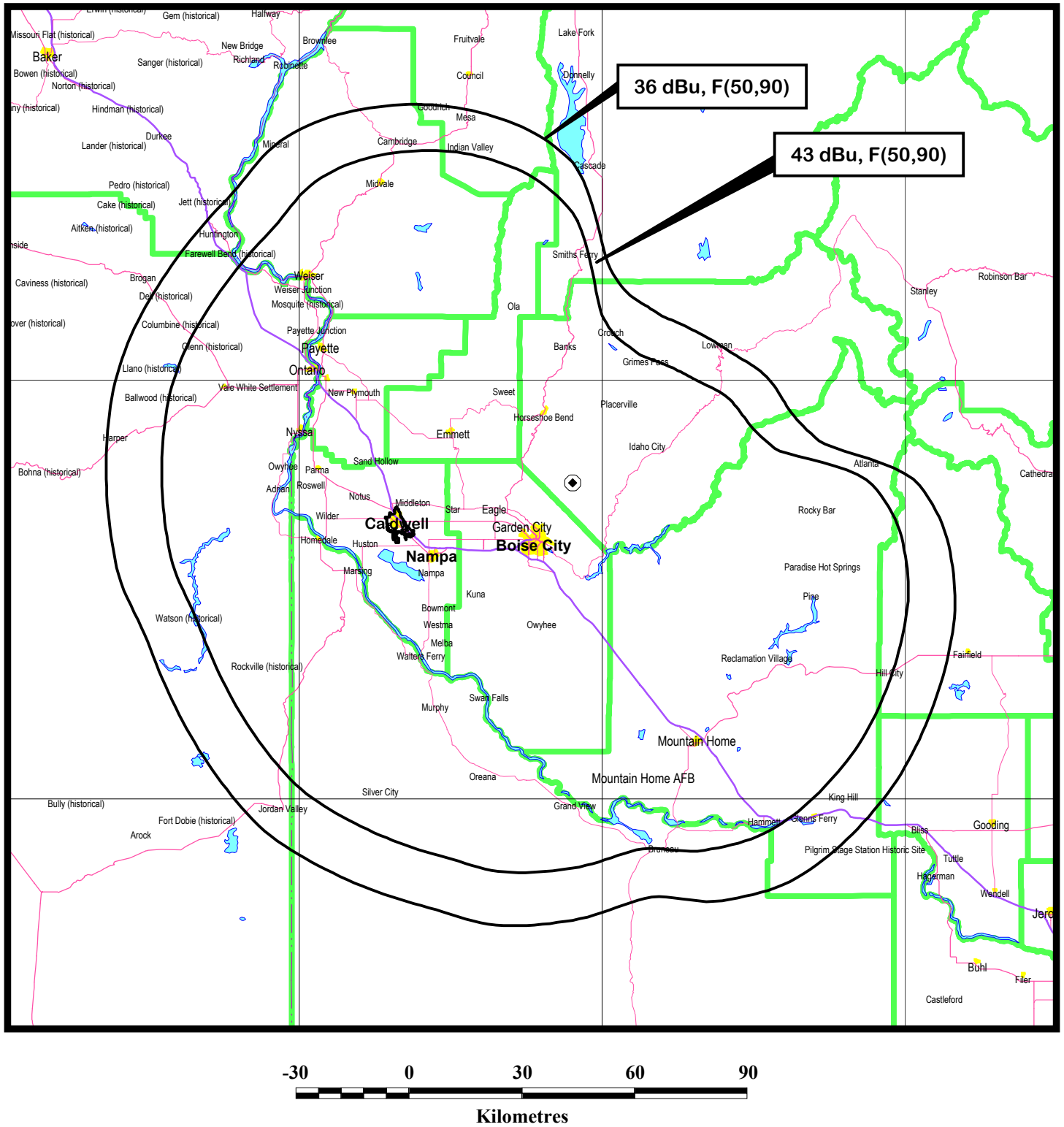
Antenna Type **THB-C2-2H/4HD-1-R**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **02H043050-S10-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.321	2.4	0.971	10.6	0.385	30.5	0.049	51.0	0.023	71.5	0.134
-9.5	0.368	2.6	0.965	10.8	0.366	31.0	0.065	51.5	0.031	72.0	0.133
-9.0	0.415	2.8	0.958	11.0	0.348	31.5	0.081	52.0	0.040	72.5	0.133
-8.5	0.463	3.0	0.951	11.5	0.302	32.0	0.095	52.5	0.048	73.0	0.132
-8.0	0.511	3.2	0.943	12.0	0.257	32.5	0.109	53.0	0.055	73.5	0.132
-7.5	0.557	3.4	0.935	12.5	0.213	33.0	0.122	53.5	0.062	74.0	0.131
-7.0	0.603	3.6	0.926	13.0	0.171	33.5	0.134	54.0	0.068	74.5	0.130
-6.5	0.648	3.8	0.916	13.5	0.131	34.0	0.144	54.5	0.074	75.0	0.129
-6.0	0.692	4.0	0.906	14.0	0.092	34.5	0.154	55.0	0.080	75.5	0.128
-5.5	0.734	4.2	0.896	14.5	0.055	35.0	0.162	55.5	0.086	76.0	0.127
-5.0	0.774	4.4	0.885	15.0	0.020	35.5	0.169	56.0	0.091	76.5	0.126
-4.5	0.810	4.6	0.874	15.5	0.012	36.0	0.175	56.5	0.097	77.0	0.125
-4.0	0.843	4.8	0.862	16.0	0.042	36.5	0.179	57.0	0.102	77.5	0.124
-3.5	0.874	5.0	0.850	16.5	0.069	37.0	0.183	57.5	0.106	78.0	0.123
-3.0	0.902	5.2	0.836	17.0	0.094	37.5	0.184	58.0	0.111	78.5	0.122
-2.8	0.913	5.4	0.822	17.5	0.115	38.0	0.185	58.5	0.115	79.0	0.121
-2.6	0.922	5.6	0.808	18.0	0.134	38.5	0.185	59.0	0.118	79.5	0.119
-2.4	0.932	5.8	0.794	18.5	0.151	39.0	0.184	59.5	0.121	80.0	0.118
-2.2	0.940	6.0	0.779	19.0	0.164	39.5	0.181	60.0	0.124	80.5	0.116
-2.0	0.948	6.2	0.764	19.5	0.175	40.0	0.178	60.5	0.126	81.0	0.115
-1.8	0.956	6.4	0.748	20.0	0.183	40.5	0.173	61.0	0.128	81.5	0.113
-1.6	0.963	6.6	0.732	20.5	0.188	41.0	0.168	61.5	0.130	82.0	0.111
-1.4	0.970	6.8	0.716	21.0	0.191	41.5	0.161	62.0	0.131	82.5	0.109
-1.2	0.975	7.0	0.700	21.5	0.191	42.0	0.154	62.5	0.132	83.0	0.107
-1.0	0.981	7.2	0.683	22.0	0.189	42.5	0.147	63.0	0.132	83.5	0.105
-0.8	0.986	7.4	0.666	22.5	0.185	43.0	0.138	63.5	0.132	84.0	0.103
-0.6	0.990	7.6	0.649	23.0	0.178	43.5	0.129	64.0	0.132	84.5	0.101
-0.4	0.993	7.8	0.631	23.5	0.170	44.0	0.120	64.5	0.132	85.0	0.099
-0.2	0.996	8.0	0.614	24.0	0.160	44.5	0.110	65.0	0.131	85.5	0.098
0.0	0.999	8.2	0.596	24.5	0.149	45.0	0.100	65.5	0.132	86.0	0.097
0.2	1.000	8.4	0.578	25.0	0.136	45.5	0.090	66.0	0.133	86.5	0.096
0.4	1.000	8.6	0.560	25.5	0.121	46.0	0.079	66.5	0.134	87.0	0.095
0.6	1.000	8.8	0.542	26.0	0.106	46.5	0.069	67.0	0.134	87.5	0.094
0.8	0.999	9.0	0.524	26.5	0.090	47.0	0.058	67.5	0.134	88.0	0.093
1.0	0.998	9.2	0.505	27.0	0.073	47.5	0.047	68.0	0.135	88.5	0.092
1.2	0.996	9.4	0.487	27.5	0.056	48.0	0.037	68.5	0.135	89.0	0.091
1.4	0.993	9.6	0.469	28.0	0.038	48.5	0.026	69.0	0.135	89.5	0.090
1.6	0.990	9.8	0.459	28.5	0.021	49.0	0.016	69.5	0.134	90.0	0.089
1.8	0.986	10.0	0.441	29.0	0.003	49.5	0.006	70.0	0.134		
2.0	0.982	10.2	0.422	29.5	0.015	50.0	0.004	70.5	0.134		
2.2	0.976	10.4	0.403	30.0	0.032	50.5	0.014	71.0	0.134		

Figure 2



PREDICTED DTV COVERAGE CONTOURS
STATION KNIN-DT
CALDWELL, IDAHO
CH 10 14 KW (MAX-DA) 818 M

DTV to NTSC Separation Study

Job Title :Proposed KNIN-DT	Separation Buffer	75 km
Zone : 2	FCC TV DB Date :	10/02/01
Channel 10 (192-198 MHz)	Coordinates :	43-45-18 116-05-52

Call Status	City St	FCC File No.	Channel Zone	ERP (kW) HAAT(m)	Latitude Longitude	Bear. True	Dist. (km)	Req. (km)
KNIN-T LIC	CALDWELL ID BLCT	-20001109	9 (-) II	162 820	DA 43-45-18 116-05-52	0.0	0.00 11.00	11.0/125 CLOSE
KISU-T LIC	POCATELLO ID BLET	-19891218	*10 (o) II	123 465	43-30-02 112-39-36	94.7	278.90 5.30	273.6 CLOSE
KENV LIC	ELKO NV BLCT	-19970403	10 (-) II	3.09 564	40-41-53 115-54-13	177.2	339.93 66.33	273.6 CLEAR
KMVT LIC	TWIN FALLS ID BLCT	-1257	11 (o) II	316 323	42-43-48 114-24-52	129.3	177.94 52.94	11.0/125 CLEAR

** End of TV Separation Study for Channel 10 **

DTV to DTV Separation Study

Job Title :Proposed KNIN-DT	Separation Buffer	75 km
Zone : 2	FCC DTV DB Date:	10/02/01
Channel 10 (192-198 MHz)	Coordinates :	43-45-18 116-05-52

Call	City	Channel	ERP(kW)	Latitude	Bear.	Dist.	Req.
Status	St	FCC File No.	Zone	HAAT(m)	Longitude	True (km)	(km)
DKNINTV	CALDWELL	10	14	43-45-18	0.0	0.00	
DTVALT	ID	II	805	116-05-52			
KNIN-D	CALDWELL	10	14	DA 43-45-18	0.0	0.00	
CP	ID BPCDT -19991028	II	828	116-05-52			

** End of DTV Separation Study for Channel 10 **

du Treil, Lundin, and Rackley**Figure 4, Sheet 1 of 2****PROPOSED KNIN-DT****Coordinates: 434518 1160552 Frequency Range: 200-300****Range: 16**

Date: 10/12/01

CDBS FM Inquiry List

Page: 1

Rec Type	Fac Id	Call	Status	Chan	Svc Class	Class	City	St	DA	Latitude	Longitude	ERP (kW)	HAAT (m)	RCAMSL (m)	Bear	Dist. (km)
C	61307	931206	APP	204	FM	C1	MIDDLETON	ID	N	43-45-18	116-05-52	5	791.0	2174.0	90.0	0.0
C	8417	931207	APP	204	FM	C1	BOISE	ID		43-45-18	116-05-52	3	812.0	2200.0	90.0	0.0
C	52247	930423	APP	204	FM	C1	BOISE	ID	N	43-45-18	116-05-52	3	812.0	2200.0	90.0	0.0
C	23459	KTSY	LIC	208	FM	C1	CALDWELL	ID	N	43-45-18	116-05-52	8.3	791.0	2174.0	90.0	0.0
C	6325	KBSU-F	LIC	212	FM	C	BOISE	ID	N	43-45-18	116-05-52	19	804.0	2187.0	90.0	0.0
C	88402	970919	APP	215	FM	C1	PARMA	ID		43-45-18	116-05-52	6.5	791.0	2174.0	90.0	0.0
C	28243	KBSX	LIC	218	FM	C1	BOISE	ID	N	43-45-18	116-05-52	4	787.0	2170.0	90.0	0.0
C	35628	KBXL	CP	231	FM	C	CALDWELL	ID	N	43-45-18	116-05-52	39	803.0	2190.0	90.0	0.0
C	17397	KRVB	LIC	235	FM	C	NAMPA	ID		43-45-18	116-05-52	49	821.0	2209.0	90.0	0.0
C	54509	KJHY	LIC	270	FM	C	EMMETT	ID		43-45-18	116-05-52	57	772.0	2170.0	90.0	0.0
C	63920	KSAS-F	LIC	277	FM	C	CALDWELL	ID	N	43-45-18	116-05-52	54	786.0	2172.0	90.0	0.0
C	63916	KLTB	LIC	282	FM	C	BOISE	ID		43-45-18	116-05-52	52	786.0	2185.0	90.0	0.0
C	13750	KCIX	LIC	290	FM	C	GARDEN CITY	ID		43-45-18	116-05-52	49	823.0	2210.0	90.0	0.0
C	68589	KCID-F	LIC	296	FM	C	CALDWELL	ID	N	43-45-18	116-05-52	49	809.0	2197.0	90.0	0.0
C	18049	KXLT-F	LIC	300	FM	C	EAGLE	ID	N	43-45-18	116-05-52	45	818.0	2199.0	90.0	0.0
C	70626	KIZN	LIC	222	FM	C	BOISE	ID		43-45-19	116-05-52	44	762.0	2163.0	5.4	0.0
C	39609	KZMG	LIC	226	FM	C	NEW	ID		43-45-19	116-05-52	50	802.0	2202.0	5.4	0.0
C	51212	KKGL	LIC	245	FM	C	NAMPA	ID		43-45-19	116-05-52	44	768.0	2167.0	5.4	0.0
C	6329	KJOT	LIC	286	FM	C	BOISE	ID		43-45-19	116-05-52	53	789.0	2188.0	5.4	0.0
C	51217	KQFC	LIC	250	FM	C	BOISE	ID	N	43-45-17	116-05-53	47	762.0	2170.0	215.9	0.0
C	6325	KBSU-F	CP	212	FM	C	BOISE	ID	N	43-45-21	116-05-54	17.5	827.0	2215.0	334.5	0.1
C	28243	KBSX	CP	218	FM	C1	BOISE	ID	N	43-45-21	116-05-54	3.7	827.0	2215.0	334.5	0.1
C	70626	KIZN	CP	222	FM	C	BOISE	ID	N	43-45-21	116-05-54	48	828.0	2215.0	334.5	0.1
C	39609	KZMG	CP	226	FM	C	NEW	ID	N	43-45-21	116-05-54	48	828.0	2215.0	334.5	0.1
C	51212	KKGL	CP	245	FM	C	NAMPA	ID	N	43-45-21	116-05-54	48	828.0	2215.0	334.5	0.1
C	51217	KQFC	CP	250	FM	C	BOISE	ID	N	43-45-21	116-05-54	48	828.0	2215.0	334.5	0.1
C	51217	KQFC	APP	250	FM	C	BOISE	ID	N	43-45-21	116-05-54	48	828.0	2215.0	334.5	0.1
C	35628	KBXL	LIC	231	FM	C	CALDWELL	ID		43-45-14	116-06-08	40	783.0	2168.0	250.9	0.4

du Treil, Lundin, and Rackley

Figure 4, Sheet 2 of 2

PROPOSED KNIN-DT

Coordinates: 434518 1160552 Channel Range: 2-69

Range: 16

Date: 10/12/01

CDBS Tv Inquiry List

Page: 1

Rec Type	Facility Id	Call	Status	Chan	Svc Class	City	St	DA	Latitude	Longitude	ERP (kW)	HAAT (m)	RCAMSL (m)	Bearing	Dist. (km)
C	59363	KNIN-T	CP	10	DT	CALDWELL	ID	D	43-45-18	116-05-52	14.000	828	2210	89.99	0
C	28230	KTRV	APP	13	DT	NAMPA	ID	N	43-45-18	116-05-52	17.000	829	2220	89.99	0
C	59363	KNIN-T	LIC	9	TV	CALDWELL	ID	D	43-45-18	116-05-52	162.000	820	2207	89.99	0
C	35097	941215	APP	14	TV	BOISE	ID	D	43-45-18	116-05-52	2570.00	812	2195	89.99	0
C	29005	950320	APP	14	TV	BOISE	ID	D	43-45-18	116-05-52	2950.00	806	2192	89.99	0
C	28230	KTRV	LIC	12	TV	NAMPA	ID		43-45-18	116-05-52	178.000	829	2216	89.99	0
C	49760	KBCI-T	CP	28	DT	BOISE	ID	D	43-45-17	116-05-53	100.000	777	2187	215.8	0.04
C	49760	KBCI-T	LIC	2	TV	BOISE	ID		43-45-17	116-05-53	64.600	777	2185	215.8	0.04
C	59255	KIVI	LIC	6	TV	NAMPA	ID		43-45-20	116-05-55	60.300	811	2194	312.8	0.09
C	59255	KIVI	CP	24	DT	NAMPA	ID	D	43-45-21	116-05-54	51.800	858.1	2245	334.5	0.1
C	62442	KAID	CP	21	DT	BOISE	ID	D	43-45-21	116-05-53	54.800	858	2245	346.8	0.1
C	59255	KIVI	CP	6	TV	NAMPA	ID	N	43-45-21	116-05-54	56.000	856.8	2240	334.5	0.1
C	34858	KTVB	APP	26	DT	BOISE	ID	D	43-45-16	116-05-56	948.000	785	2164	235.2	0.11
C	34858	KTVB	LIC	7	TV	BOISE	ID		43-45-16	116-05-56	195.000	808	2185	235.2	0.11
C	62442	KAID	LIC	4	TV	BOISE	ID	N	43-45-16	116-05-56	57.500	754	2156	235.2	0.11