

Digital Companion Channel Application

LPTV or Translator Facility: KCHY-LP Facility ID 128772 Cheyenne, WY
Licensed Analog Ch. 13 File# BLTVL-20040813ABD

Proposed Digital Facility: Ch. 19 15 kW ERP directional (azimuth pattern in Figure 1)

Modification Compliance: 24.8 km from licensed site
Contour comparison in Figure 2
TVStudy Analysis report in Table 1
(Study cell size: 1.00 km Profile point spacing: 0.20 km)

Contingent Application Rule: No waiver required, not dependent on spectrum to be vacated

RF Exposure: The calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 0.6 percent of the general population/uncontrolled maximum permitted exposure limit. Calculations conducted pursuant to FCC OET Bulletin Number 65 and incorporate 15 percent relative field at downward angles (from antenna elevation pattern data). This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

Chesapeake RF Consultants, LLC

Joseph M. Davis, P.E. April 16, 2019
207 Old Dominion Road Yorktown, VA 23692 703-650-9600

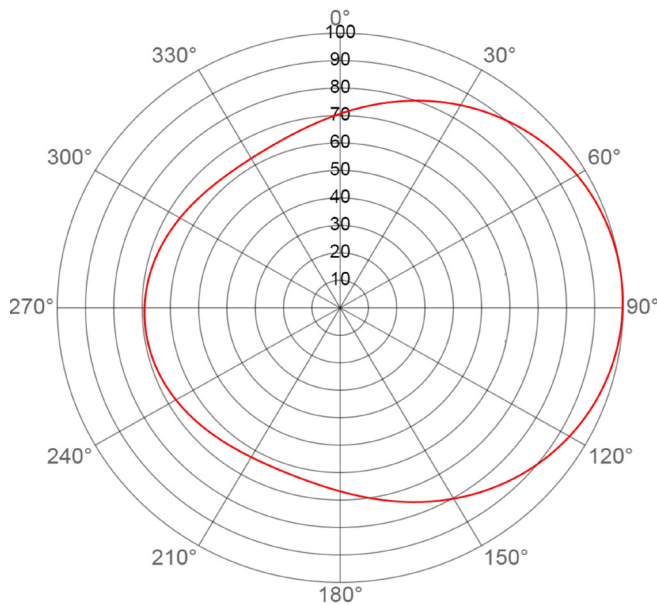
**Horizontal Polarization
AZIMUTH PATTERN**

Exhibit No.

Date **16 Apr 2019**Call Letters **KCHY-LP**Channel **19**Antenna Type **DLP-8B**Location **Cheyenne WY**Customer **Gray TV**Gain **1.7 (2.30 dB)****Calculated**Drawing # **b-pattern**

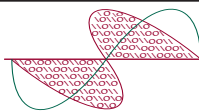
Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.707	36	0.880	72	0.991	108	0.972	144	0.833	180	0.668	216	0.633	252	0.686	288	0.673	324	0.627
1	0.711	37	0.884	73	0.992	109	0.970	145	0.828	181	0.665	217	0.634	253	0.687	289	0.672	325	0.627
2	0.715	38	0.889	74	0.993	110	0.967	146	0.823	182	0.662	218	0.635	254	0.688	290	0.670	326	0.627
3	0.720	39	0.893	75	0.995	111	0.964	147	0.818	183	0.659	219	0.637	255	0.689	291	0.669	327	0.627
4	0.724	40	0.897	76	0.996	112	0.962	148	0.813	184	0.656	220	0.638	256	0.689	292	0.667	328	0.627
5	0.729	41	0.902	77	0.997	113	0.959	149	0.808	185	0.653	221	0.639	257	0.690	293	0.666	329	0.628
6	0.734	42	0.906	78	0.997	114	0.956	150	0.803	186	0.651	222	0.641	258	0.690	294	0.664	330	0.628
7	0.738	43	0.910	79	0.998	115	0.953	151	0.798	187	0.648	223	0.642	259	0.691	295	0.662	331	0.629
8	0.743	44	0.914	80	0.999	116	0.950	152	0.793	188	0.646	224	0.644	260	0.691	296	0.661	332	0.630
9	0.748	45	0.918	81	0.999	117	0.946	153	0.788	189	0.643	225	0.646	261	0.692	297	0.659	333	0.631
10	0.753	46	0.922	82	0.999	118	0.943	154	0.783	190	0.641	226	0.647	262	0.692	298	0.657	334	0.632
11	0.758	47	0.925	83	1.000	119	0.940	155	0.778	191	0.639	227	0.649	263	0.692	299	0.655	335	0.633
12	0.763	48	0.929	84	1.000	120	0.936	156	0.773	192	0.638	228	0.650	264	0.692	300	0.654	336	0.635
13	0.768	49	0.933	85	1.000	121	0.933	157	0.768	193	0.636	229	0.652	265	0.692	301	0.652	337	0.636
14	0.773	50	0.936	86	1.000	122	0.929	158	0.763	194	0.635	230	0.654	266	0.692	302	0.650	338	0.638
15	0.778	51	0.940	87	1.000	123	0.925	159	0.758	195	0.633	231	0.655	267	0.692	303	0.649	339	0.639
16	0.783	52	0.943	88	0.999	124	0.922	160	0.753	196	0.632	232	0.657	268	0.692	304	0.647	340	0.641
17	0.788	53	0.946	89	0.999	125	0.918	161	0.748	197	0.631	233	0.659	269	0.692	305	0.646	341	0.643
18	0.793	54	0.950	90	0.999	126	0.914	162	0.743	198	0.630	234	0.661	270	0.691	306	0.644	342	0.646
19	0.798	55	0.953	91	0.998	127	0.910	163	0.738	199	0.629	235	0.662	271	0.691	307	0.642	343	0.648
20	0.803	56	0.956	92	0.997	128	0.906	164	0.734	200	0.628	236	0.664	272	0.690	308	0.641	344	0.651
21	0.808	57	0.959	93	0.997	129	0.902	165	0.729	201	0.628	237	0.666	273	0.690	309	0.639	345	0.653
22	0.813	58	0.962	94	0.996	130	0.897	166	0.724	202	0.627	238	0.667	274	0.689	310	0.638	346	0.656
23	0.818	59	0.964	95	0.995	131	0.893	167	0.720	203	0.627	239	0.669	275	0.689	311	0.637	347	0.659
24	0.823	60	0.967	96	0.993	132	0.889	168	0.715	204	0.627	240	0.670	276	0.688	312	0.635	348	0.662
25	0.828	61	0.970	97	0.992	133	0.884	169	0.711	205	0.627	241	0.672	277	0.687	313	0.634	349	0.665
26	0.833	62	0.972	98	0.991	134	0.880	170	0.707	206	0.627	242	0.673	278	0.686	314	0.633	350	0.668
27	0.837	63	0.974	99	0.990	135	0.875	171	0.702	207	0.627	243	0.675	279	0.685	315	0.632	351	0.672
28	0.842	64	0.977	100	0.988	136	0.871	172	0.698	208	0.627	244	0.676	280	0.684	316	0.631	352	0.675
29	0.847	65	0.979	101	0.986	137	0.866	173	0.694	209	0.628	245	0.678	281	0.683	317	0.630	353	0.679
30	0.852	66	0.981	102	0.985	138	0.861	174	0.690	210	0.628	246	0.679	282	0.682	318	0.629	354	0.682
31	0.857	67	0.983	103	0.983	139	0.857	175	0.686	211	0.629	247	0.680	283	0.680	319	0.629	355	0.686
32	0.861	68	0.985	104	0.981	140	0.852	176	0.682	212	0.629	248	0.682	284	0.679	320	0.628	356	0.690
33	0.866	69	0.986	105	0.979	141	0.847	177	0.679	213	0.630	249	0.683	285	0.678	321	0.628	357	0.694
34	0.871	70	0.988	106	0.977	142	0.842	178	0.675	214	0.631	250	0.684	286	0.676	322	0.627	358	0.698
35	0.875	71	0.990	107	0.974	143	0.837	179	0.672	215	0.632	251	0.685	287	0.675	323	0.627	359	0.702

Figure 1
Antenna Azimuthal Pattern
KCHY-LP Cheyenne, WY
Facility ID 128772
Ch. 19 (digital) 15 kW

prepared for
Gray Television Licensee, LLC

April, 2019





Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 2
Coverage Contour Comparison
KCHY-LP Cheyenne, WY
Facility ID 128772
Ch. 19 (digital) 15 kW

prepared for
Gray Television Licensee, LLC

April, 2019

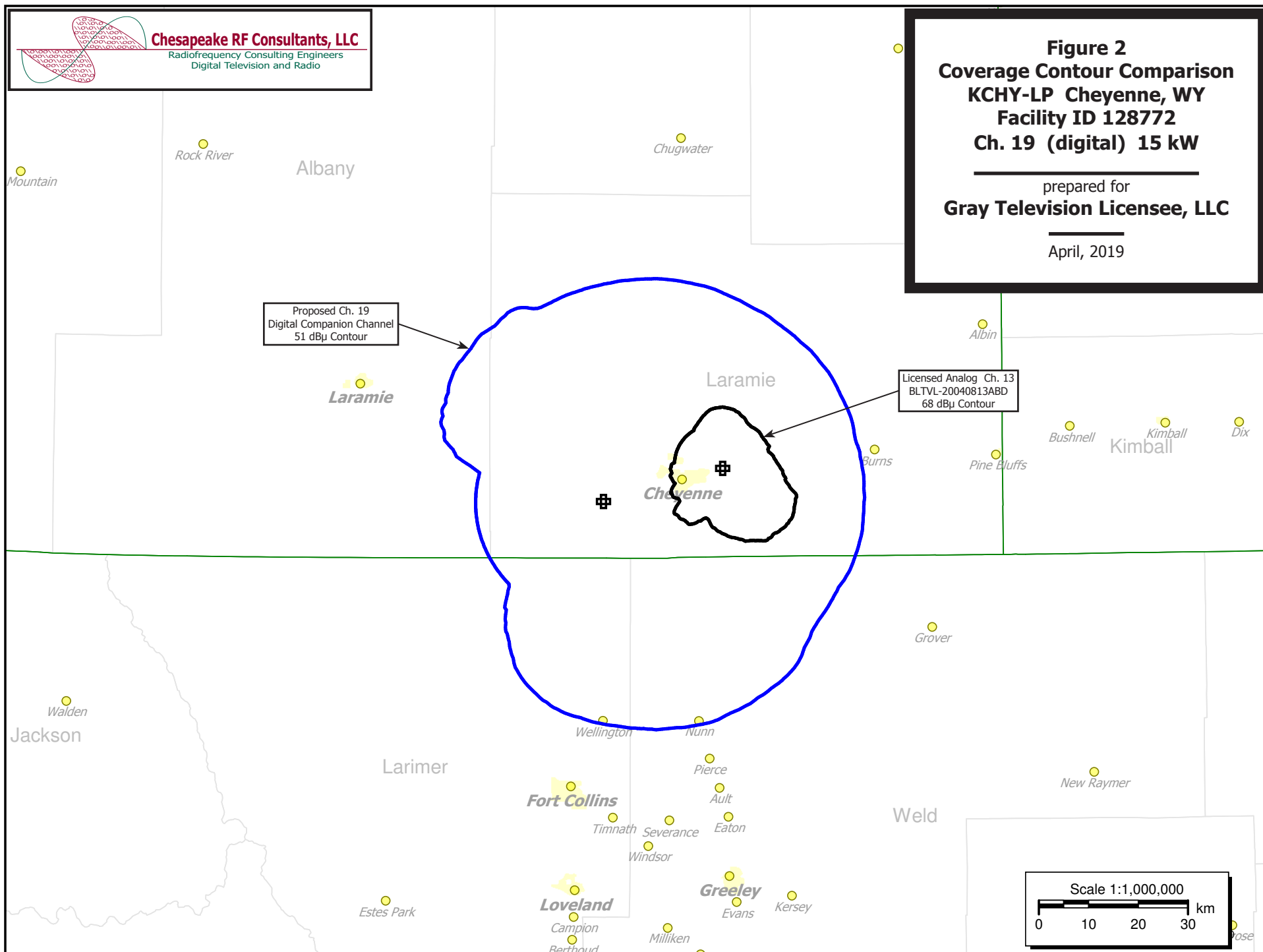


Table 1 KCHY-LP TVStudy Analysis of Proposal (page 1 of 6)



tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KCHY-LP Ch-19 85-deg 1.0-0.2 #9134, Model: Longley-Rice
Start: 2019.04.16 17:11:07

Study created: 2019.04.16 17:08:14

Study build station data: LMS TV 2019-04-14

Proposal: KCHY-LP D19 LD APP Cheyenne, WY
File number: KCHY-LP Ch-19 85-deg
Facility ID: 128772
Station data: User record
Record ID: 2658
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KPXC-TV	D18	DT	CP	DENVER, CO	BLANK0000027023	111.9 km
Yes	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	111.9
Yes	KRMA-TV	D18	DT	LIC	DENVER, CO	BLD2T20100312ABH	159.8
No	K18FN-D	D18	LD	LIC	PEETZ, CO	BLD2T20110928AKM	150.9
No	K18JD-D	D18	LD	LIC	TORRINGTON, WY	BLD2T20110415ABJ	127.9
No	K19FH-D	D19	LD	LIC	ASPEN, CO	BLD2T20121119AGZ	259.9
No	K19DY	D19	LD	CP	CANON CITY, CO	BDFCD2T20100111AEX	297.9
No	K19DY	N19	TX	LIC	CANON CITY, CO	BLT2T20001027AAF	297.9
Yes	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	63.6
Yes	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	153.6
Yes	KTVB	D19	DT	LIC	DENVER, CO	BLCDT20090218ABY	153.4
No	K19KN-D	D19	LD	LIC	EADS, ETC., CO	BLANK0000001775	348.1
No	K19EG-D	D19	LD	LIC	HOLYOKE, CO	BLD2T20110613AAO	232.2
Yes	K45KB-D	D19	LD	CP	LAKE GEORGE, CO	BLANK0000052545	235.0
No	K19HG-D	D19	LD	LIC	REDSTONE, CO	BLD2T20091221ABC	279.4
No	K39ED-D	D19	LD	CP	ROCKY FORD, CO	BLANK0000052167	355.1
Yes	K44FL-D	D19	LD	CP	STERLING, CO	BLANK0000054453	174.8
No	K50FJ-D	D19	LD	CP	WRAY, CO	BLANK0000054481	262.0
No	KWKS	D19	DT	LIC	COLBY, KS	BLD2T20070601ATA	372.2
No	K19DV	N19	TX	LIC	MANILA-DUTCH JOHN, UT	BLT2T19940907IB	370.0
No	K19GX-D	D19	LD	LIC	BUFFALO, WY	BLD2T20110420ABL	375.9
Yes	K19FX-D	D19	LD	LIC	LARAMIE, WY	BLD2T20111129FFV	42.0
No	K19JG-D	D19	LD	CP	MIDWEST, WY	BNPDL20100510ACO	296.2
No	K42HY-D	D19	LD	CP	RAWLINS, WY	BLANK0000053888	200.3
Yes	K19JH-D	D19	LD	CP	WHEATLAND, WY	BNPDL20100510AEL	138.5
No	KDNF-LD	D20	LD	CP	ARVADA, CO	BLANK0000064248	167.7
No	KDNF-LD	D20	LD	LIC	ARVADA, CO	BLANK0000065360	167.7
No	KRMT	D20	DT	LIC	DENVER, CO	BLANK0000063977	167.7
No	K20KE-D	D20	LD	LIC	DENVER, CO	BLD2L20150115AAB	119.3
No	K20FS-D	D20	LD	LIC	PEETZ, CO	BLD2T20110114AAR	150.9
No	KFNB	D20	DT	LIC	CASPER, WY	BLCDT20090225AAN	213.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Mask: Full Service
Latitude: 41 6 0.40 N (NAD83)
Longitude: 105 0 25.20 W
Height AMSL: 2156.2 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE DLP-B 85.0 deg
Elev Pattern: Generic
Elec Tilt: 1.50

Table 1 KCHY-LP TV Study Analysis of Proposal
(page 2 of 6)



49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.51 kW	156.0 m	45.7 km
45.0	12.6	220.1	52.1
90.0	14.9	242.0	54.2
135.0	11.5	238.4	52.7
180.0	6.72	180.7	46.7
225.0	6.26	38.6	29.6
270.0	7.15	-29.2	27.7
315.0	5.99	120.1	42.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 146 m

Distance to Canadian border: 878.0 km

Distance to Mexican border: 1044.3 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 89.9 degrees Distance: 552.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 189.6 degrees Distance: 110.7 km

ERP: 6.22 kW Field strength: 18.3 dBu, 0.0 mV/m

No land mobile station failures found

Study cell size: 1.00 km

Profile point spacing: 0.20 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000027023 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXC-TV	D18	DT	CP	DENVER, CO	BLANK0000027023	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	111.9 km
	KPJR-TV	D17	DT	CP	GREELEY, CO	BLANK0000026606	0.4
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	49.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
23786.0		3,362,672		22903.8		3,325,127	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCHY-LP D19 LD APP		1.0		0		1.0	0
KPJR-TV D17 DT CP		40.9		932		40.9	932
KSBS-CD D19 DC LIC		47.6		12,682		47.6	12,682

Interference to BLANK0000071556 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	111.9 km
	KPJR-TV	D17	DT	CP	GREELEY, CO	BLANK0000026606	0.4
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	49.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
23786.0		3,362,672		22903.8		3,325,127	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCHY-LP D19 LD APP		1.0		0		1.0	0
KPJR-TV D17 DT CP		40.9		932		40.9	932
KSBS-CD D19 DC LIC		47.6		12,682		47.6	12,682

Table 1 KCHY-LP TVStudy Analysis of Proposal
(page 3 of 6)



Interference to BLEDT20100312ABH LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRMA-TV	D18	DT	LIC	DENVER, CO	BLEDT20100312ABH	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	159.8 km
	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	54.4
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	6.6
	KTVD	D19	DT	LIC	DENVER, CO	BLCDT20090218ABY	6.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31755.9 3,771,115		29400.6 3,614,709		16917.2 2,782,460		16917.2 2,782,460	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCHY-LP D19 LD APP		1.0 0				0.0 0	
KPXC-TV D18 DT LIC		12441.5 830,318		12389.6 825,063		12388.6 825,063	
KSBS-CD D19 DC LIC		1.0 71		0.0 0		0.0 0	
KTVD D19 DT LIC		93.9 7,186		41.0 1,860		41.0 1,860	

Interference to BLANK0000064177 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	63.6 km
	KPXC-TV	D18	DT	CP	DENVER, CO	BLANK0000027023	56.0
	K19DY	D19	LD	CP	CANON CITY, CO	BDFCDTT20100111AEX	236.1
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	90.9
	KDNF-LD	D20	LD	CP	ARVADA, CO	BLANK0000064248	105.2
	K20KE-D	D20	LD	LIC	DENVER, CO	BLDTL20150115AAB	91.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3620.5 442,852		3609.6 442,821		2722.5 407,718		2642.7 400,174	2.93 1.85
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCHY-LP D19 LD APP		366.9 17,030				79.7 7,544	
KPXC-TV D18 DT CP		41.0 249		5.0 15		3.0 5	
KSBS-CD D19 DC LIC		881.1 35,088		845.1 34,854		585.9 25,562	
K20KE-D D20 LD LIC		1.0 0		1.0 0		0.0 0	

Interference to BLANK0000064177 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	63.6 km
	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	56.0
	K19DY	D19	LD	CP	CANON CITY, CO	BDFCDTT20100111AEX	236.1
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	90.9
	KDNF-LD	D20	LD	CP	ARVADA, CO	BLANK0000064248	105.2
	K20KE-D	D20	LD	LIC	DENVER, CO	BLDTL20150115AAB	91.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3620.5 442,852		3609.6 442,821		2722.5 407,718		2642.7 400,174	2.93 1.85
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCHY-LP D19 LD APP		366.9 17,030				79.7 7,544	
KPXC-TV D18 DT LIC		41.0 249		5.0 15		3.0 5	
KSBS-CD D19 DC LIC		881.1 35,088		845.1 34,854		585.9 25,562	
K20KE-D D20 LD LIC		1.0 0		1.0 0		0.0 0	

Interference to BLANK0000068957 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	153.6 km
	KPXC-TV	D18	DT	CP	DENVER, CO	BLANK0000027023	49.8
	KRMT	D20	DT	LIC	DENVER, CO	BLANK0000063977	14.6

Table 1 KCHY-LP TVStudy Analysis of Proposal
(page 4 of 6)



Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7026.4 2,824,244	6667.5 2,793,504	6490.1 2,777,556	6387.6 2,769,075	1.58 0.31

Undesired	Total IX	Unique IX, before	Unique IX, after
KCHY-LP D19 LD APP	160.2 10,085	102.5 8,481	
KPXC-TV D18 DT CP	100.9 3,883	60.1 3,236	
KRMT D20 DT LIC	89.3 12,536	57.6 11,108	

Interference to BLANK0000068957 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	153.6 km
	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	49.8
	KRMT	D20	DT	LIC	DENVER, CO	BLANK0000063977	14.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7026.4 2,824,244	6667.5 2,793,504	6490.1 2,777,556	6387.6 2,769,075	1.58 0.31

Undesired	Total IX	Unique IX, before	Unique IX, after
KCHY-LP D19 LD APP	160.2 10,085	102.5 8,481	
KPXC-TV D18 DT LIC	100.9 3,883	60.1 3,236	
KRMT D20 DT LIC	89.3 12,536	57.6 11,108	

Interference to BLCDT20090218ABY LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTVD	D19	DT	LIC	DENVER, CO	BLCDT20090218ABY	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	153.4 km
	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	49.5
	KRMA-TV	D18	DT	LIC	DENVER, CO	BLCDT20100312ABH	6.7
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	0.4
	KWKS	D19	DT	LIC	COLBY, KS	BLCDT20070601ATA	336.5
	KRMT	D20	DT	LIC	DENVER, CO	BLANK0000063977	14.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31993.9 3,849,393	28855.9 3,613,682	17689.4 2,613,906	17597.6 2,607,832	0.52 0.23

Undesired	Total IX	Unique IX, before	Unique IX, after
KCHY-LP D19 LD APP	1195.5 66,135	91.8 6,074	
KPXC-TV D18 DT LIC	219.4 19,745	26.0 40	
KRMA-TV D18 DT LIC	97.8 2,279	58.1 1,551	
KSBS-CD D19 DC LIC	11041.6 997,832	9711.4 928,453	
KWKS D19 DT LIC	180.7 2,417	6.0 0	
KRMT D20 DT LIC	27.9 444	12.0 327	11.0 200

Interference to BLANK0000052545 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K45KB-D	D19	LD	CP	LAKE GEORGE, CO	BLANK0000052545	
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	235.0 km
	KZCS-LP	D18z	LD	CP	COLORADO SPRINGS, CO	BLANK0000054347	32.3
	KPXC-TV	D18	DT	CP	DENVER, CO	BLANK0000027023	124.2
	K19DY	D19	LD	CP	CANON CITY, CO	BDFCDTT20100111AEX	63.1
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	83.8
	KDNF-LD	D20	LD	CP	ARVADA, CO	BLANK0000064248	69.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1240.0 194,950	1071.5 113,384	1066.5 112,416	1065.5 112,416	0.09 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCHY-LP D19 LD APP	2.0 0	1.0 0	
KZCS-LP D18z LD CP	2.0 968	2.0 968	
KSBS-CD D19 DC LIC	3.0 0	3.0 0	2.0 0

Table 1 KCHY-LP TV Study Analysis of Proposal
(page 5 of 6)



Interference to BLANK0000054453 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance			
Desired:	K44FL-D	D19	LD	CP	STERLING, CO	BLANK0000054453				
Undesireds:	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	174.8 km			
	K39KL-D	D18	LD	CP	AKRON, CO	BLANK0000054463	34.8			
	K19DY	D19	LD	CP	CANON CITY, CO	BDFCDTT20100111AEX	301.5			
	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	182.3			
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	209.7			
	K19EG-D	D19	LD	LIC	HOLYOKE, CO	BLDDTT20110613AAO	58.2			
	KWKS	D19	DT	LIC	COLBY, KS	BLEDT20070601ATA	207.3			
	K41EV-D	D20	LD	CP	AKRON, CO	BLANK0000054464	34.8			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
2586.0		21,404		2576.0		21,404		2526.1		
								21,378		
								2526.1		
								21,378		
								0.00		
								0.00		
Undesired				Total IX	Unique IX, before		Unique IX, after			
KCHY-LP	D19	LD	APP	2.0	0		0.0	0		
K39KL-D	D18	LD	CP	31.0	18	1.0	0	1.0	0	
KRMA-TV	D19	LD	LIC	20.0	9	2.0	0	2.0	0	
KSBS-CD	D19	DC	LIC	2.0	0	1.0	0	1.0	0	
K19EG-D	D19	LD	LIC	15.9	8	15.9	8	15.9	8	
KWKS	D19	DT	LIC	6.0	3	0.0	0	0.0	0	
K41EV-D	D20	LD	CP	30.0	18	0.0	0	0.0	0	

Table 1 KCHY-LP TVStudy Analysis of Proposal
(page 6 of 6)



KPXC-TV D18 DT CP	2.0	0	1.0	0	0.02	0.00
KRMA-TV D19 LD LIC	287.1	1,714	54.7	228	0.92	0.23
KSBS-CD D19 DC LIC	786.5	9,836	550.0	8,350	9.21	8.39
K19FX-D D19 LD LIC	25.2	11	23.2	11	0.39	0.01
K19JH-D D19 LD CP	3.0	0	1.0	0	0.02	0.00

Interference to proposal scenario 2
10.12% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KCHY-LP	D19	LD	APP	Cheyenne, WY	KCHY-LP Ch-19 85-deg	
Undesireds:	KPXC-TV	D18	DT	LIC	DENVER, CO	BLANK0000071556	111.9 km
	K19DY	D19	LD	CP	CANON CITY, CO	BDFCDTT20100111AEX	297.9
	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	63.6
	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	153.6
	K19FX-D	D19	LD	LIC	LARAMIE, WY	BLDTT20111129FFV	42.0
	K19JH-D	D19	LD	CP	WHEATLAND, WY	BNPDTL20100510AEL	138.5

Service area		Terrain-limited		IX-free		Percent IX	
6361.8	99,746	5972.6	99,581	5106.3	89,506	14.50	10.12
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KPXC-TV D18 DT LIC	2.0	0	1.0	0	0.02	0.00	
KRMA-TV D19 LD LIC	287.1	1,714	54.7	228	0.92	0.23	
KSBS-CD D19 DC LIC	786.5	9,836	550.0	8,350	9.21	8.39	
K19FX-D D19 LD LIC	25.2	11	23.2	11	0.39	0.01	
K19JH-D D19 LD CP	3.0	0	1.0	0	0.02	0.00	