

INTERFERENCE ANALYSIS FOR PROPOSED KQTI-LD FACILITY AT BLACK ROCK MOUNTAIN (CHANNEL 31) (CELL SIZE = 1 KM / POINT SPACING = 0.8 KM)

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: kqti-01, Model: Longley-Rice

Study build station data: LMS TV 2020-07-15

Proposal: KQTI-01 D31 LD APP OGDEN, UT
File number: kqti-01
Facility ID: 130912
Station data: User record
Record ID: 3082
Country: U.S.

Search options:

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K16EW	N16	TX	LIC	ORANGEVILLE, UT	BLTT20030806ABU	187.0 km
No	K29EP	N29	TX	LIC	MORGAN, ETC., UT	BLTT20030905ABO	63.0
No	K30QH-D	D30	LD	LIC	BURLEY, ETC., ID	BLANK0000068251	227.7
No	K30PQ-D	D30	LD	LIC	CLEAR CREEK, UT	BLANK0000093729	145.6
No	K30KG-D	D30	LD	LIC	COALVILLE, ETC., UT	BLDTT20090624AAX	72.9
No	K42HQ-D	D30	LD	CP	DELTA, OAK CITY, ETC, UT	BLANK0000054130	148.3
No	K30LF-D	D30	LD	LIC	DUCHESNE, UT	BLDTT20101216ABB	164.1
No	K30KK-D	D30	LD	LIC	FOUNTAIN GREEN, UT	BLDTT20100914AHP	138.0
No	K30PC-D	D30	LD	LIC	HENEFER & ECHO, UT	BLANK0000093244	72.4
No	K30OY-D	D30	LD	LIC	LOGAN, UT	BLANK0000072929	99.1
No	K30KJ-D	D30	LD	LIC	MANTI & EPHRAIN, UT	BLDTT20100913AAA	155.4
No	K30JB-D	D30	LD	LIC	MORGAN, ETC., UT	BLDTT20090624AAO	62.7
No	K30PM-D	D30	LD	LIC	PRICE, UT	BLANK0000093971	161.2
No	K30JG-D	D30	LD	LIC	RANDOLPH & WOODRUFF, UT	BLDTT20100108ACY	138.4
Yes	KTVX	D30	DT	LIC	SALT LAKE CITY, UT	BLANK0000114065	2.6
No	K30KC-D	D30	LD	LIC	SAMAK, UT	BLDTT20090624ABK	79.7
No	K30PO-D	D30	LD	LIC	SCOFIELD, UT	BLANK0000093763	133.6
No	K30KE-D	D30	LD	LIC	WANSHIP, UT	BLDTT20090624ADK	69.5
No	K31IF-D	D31	LD	LIC	HAGERMAN, ID	BLDTT20100113ADF	329.3
Yes	K31PJ-D	D31	LD	LIC	HOLBROOK, ID	BLANK0000074800	164.0
Yes	K31HS-D	D31	LD	LIC	MALAD, ID	BLDTT20110207AFL	155.4
No	K31CI-D	D31	LD	LIC	MONTPELIER, ID	BLDTT20111115AHC	201.6
Yes	KVUI	D31	DT	LIC	POCATELLO, ID	BLANK0000068416	243.9
Yes	K31FR-D	D31	LD	LIC	PRESTON, ID	BLDTT20111116AHZ	164.3
No	K31PT-D	D31	LD	LIC	SODA SPRINGS, ID	BLANK0000004679	220.7
No	K31LB	N31	TX	LIC	ELKO, NV	BLTT20111122EKG	311.8
No	K31LO-D	D31	LD	LIC	EUREKA, NV	BLDTT20111230AAI	345.3
No	K31KP-D	D31	LD	LIC	ALTON, UT	BLDTT20091228ABU	368.8
No	K31OA-D	D31	LD	LIC	ANTIMONY, UT	BLANK0000072669	278.2
No	K31OK-D	D31	LD	LIC	BEAVER, ETC., UT	BLANK0000091260	250.4
No	K31OI-D	D31	LD	LIC	BERYL, MODENA ETC., UT	BLANK0000091061	356.6
No	K31DB	N31	TX	LIC	BLUEBELL, ETC., UT	BLTT19920219ID	177.5
No	K31JF-D	D31	LD	LIC	BOULDER, UT	BLDTT20090407ACB	316.7
No	K31KN-D	D31	LD	LIC	CAINEVILLE, UT	BLDTT20100223AEO	281.4
No	K31EI-D	D31	LD	LIC	CEDAR CANYON, UT	BLDTT20090728ABS	347.3
No	K31OT-D	D31	LD	LIC	CLEAR CREEK, UT	BLANK0000093689	145.6
No	K31KC-D	D31	LD	LIC	COALVILLE&ADJ., UT	BLDTT20090624AAW	72.9
No	K44IZ-D	D31	LD	CP	DELTA, ETC., UT	BLANK0000053456	148.3
No	K31JC-D	D31	LD	LIC	DUCHESNE, UT	BLDTT20100111AGC	164.1
No	K31LG-D	D31	LD	LIC	EMERY, UT	BLDTT20130322AFP	213.0
No	K31JE-D	D31	LD	LIC	ESCALANTE, UT	BLDTT20110503ABL	326.1
No	K31OS-D	D31	LD	LIC	FERRON, UT	BLANK0000094871	198.3
No	K49ML-D	D31	LD	CP	FILLMORE, ETC., UT	BLANK0000053477	183.3
No	K31LH-D	D31	LD	LIC	FISHLAKE RESORT, UT	BLDTT20100803ABD	243.9
No	K31NX-D	D31	LD	LIC	FOUNTAIN GREEN, UT	BLANK0000072230	138.0
No	K31LA-D	D31	LD	LIC	FREMONT, UT	BLDTT20120806AAH	254.8
No	K38KB-D	D31	LD	CP	GARRISON, ETC., UT	BLANK0000053473	230.3
No	K31OO-D	D31	LD	LIC	GREEN RIVER, UT	BLANK0000094914	215.1
No	K31NU-D	D31	LD	LIC	HANKSVILLE, UT	BLANK0000080678	287.2
No	K31JB-D	D31	LD	LIC	HANNA, ETC., UT	BLDTT20100111AGD	126.4
Yes	K31FP-D	D31	LD	LIC	HEBER/MIDWAY, UT	BLDTT20101005ABZ	62.8
No	K31OD-D	D31	LD	LIC	HENEFER, ETC., UT	BLANK0000093226	72.3
No	K31OU-D	D31	LD	LIC	HUNTINGTON, UT	BLANK0000094690	182.3
No	K31JP-D	D31	LD	LIC	MANILA, ETC., UT	BLDTT20100111ABP	236.4

INTERFERENCE ANALYSIS FOR PROPOSED KQTI-LD FACILITY AT BLACK ROCK MOUNTAIN (CHANNEL 31) (CELL SIZE = 1 KM / POINT SPACING = 0.8 KM)

Yes	K31FN-D	D31	LD	LIC	MANTI & EPHRAIM, UT	BLDTT20090714ABG	155.4
Yes	K31IU-D	D31	LD	LIC	MORGAN, ETC., UT	BLDTT20090624AAN	62.7
Yes	K31LC-D	D31	LD	LIC	NEPHI, UT	BLDTT20110722AAF	107.8
Yes	K31FQ-D	D31	LD	LIC	PARK CITY, UT	BLDTT20090414AFO	57.3
No	K31OG-D	D31	LD	LIC	PAROWAN, ENOCH, ETC., UT	BLANK0000091236	322.6
Yes	K31NK-D	D31	LD	LIC	PEOA, OAKLEY, UT	BLANK0000093255	70.8
No	K31OB-D	D31	LD	LIC	RANDOLPH, UT	BLANK0000093380	138.4
No	K31NP-D	D31	LD	LIC	RURAL GARFIELD COUNT, UT	BLANK0000080543	238.2
No	K31GT-D	D31	LD	LIC	SCIPPIO, UT	BLDTT20091013ADC	164.5
No	K31JN-D	D31	LD	LIC	SCOFIELD, UT	BLDTT20090717AEE	139.8
No	K31MC-D	D31	LD	LIC	SPRING GLEN, ETC., UT	BLDTT20120614AAP	161.2
No	K31EL-D	D31	LD	LIC	TROPIC, ETC., UT	BLDTT20090708AJL	330.4
No	K31JL-D	D31	LD	LIC	VERNAL, ETC., UT	BLDTT20150205ABE	259.5
Yes	K27KM	D31z	LD	CP	WENDOVER, UT	BLANK0000054781	153.2
No	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	285.0
No	K31DC	D31	LD	CP	FREEDOM, WY	BLANK0000080659	285.0
No	K31FW-D	D31	LD	LIC	LYMAN, WY	BLDTT20101202AAT	174.4
No	K32NV-D	D32	LD	LIC	MALAD CITY, ID	BLANK0000074788	155.4
No	K32NI-D	D32	LD	LIC	CLEAR CREEK, UT	BLANK0000093699	145.6
No	K32IT-D	D32	LD	LIC	COALVILLE AND ADJ. A, UT	BLDTT20090624AAV	72.9
No	K32MI-D	D32	LD	LIC	DELTA, OAK CITY, ETC, UT	BLANK0000091272	148.3
No	K32HX-D	D32	LD	LIC	DUCHESNE, UT	BLDTT20100111AFZ	164.1
No	K32JB-D	D32	LD	LIC	FOUNTAIN GREEN, UT	BLDTT20100914AHQ	138.0
No	K32HP-D	D32	LD	LIC	HANNA, ETC., UT	BLDTT20100111AGA	126.4
No	K32MY-D	D32	LD	LIC	HEBER/MIDWAY, UT	BLANK0000093613	62.8
No	K32IS-D	D32	LD	LIC	HENEFER, ETC., UT	BLDTT20090624ACZ	72.4
No	K32HD	N32	TX	LIC	HUNTSVILLE, UT	BLTT20061114ACW	79.9
No	K32MW-D	D32	LD	LIC	LOGAN, UT	BLANK0000072930	99.1
No	KMTI-LD	D32	LD	LIC	MANTI AND EPHRAIM, UT	BLDTL20121203ASD	155.7
No	K32HK-D	D32	LD	LIC	MORGAN, ETC., UT	BLDTT20090624AAM	62.7
No	K32MK-D	D32	LD	LIC	PARK CITY, UT	BLANK0000093365	57.3
Yes	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	50.2
Yes	KUTH-DT	D32	DT	CP	PROVO, UT	BPCDT20100921AAY	2.6
No	K32MX-D	D32	LD	LIC	RANDOLPH & WOODRUFF, UT	BLANK0000093595	138.4
No	K32MZ-D	D32	LD	LIC	SAMAK, UT	BLANK0000093234	79.7
No	K32IZ-D	D32	LD	LIC	SCOFIELD, UT	BLDTT20100127ABW	133.6
No	K32NF-D	D32	LD	LIC	SPRING GLEN, UT	BLANK0000093947	161.2
No	K32IU-D	D32	LD	LIC	WANSHIP, UT	BLDTT20090624ADJ	69.5
No	K35EJ-D	D32	LD	LIC	WOODLAND, UT	BLDTT20110331ADY	82.0
No	K38GO	N38	TX	LIC	ROOSEVELT, UT	BLTT20040409AAJ	177.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Mask: Full Service
Latitude: 40 40 56.00 N (NAD83)
Longitude: 112 12 12.00 W
Height AMSL: 2651.3 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TLP-4D (ID 1005948) 136.0 deg
Elev Pattern: Generic
Elec Tilt: 1.00

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.52 kW	1352.3 m	65.1 km
45.0	2.61	1296.5	68.6
90.0	8.25	1138.5	75.2
135.0	15.0	844.8	73.7
180.0	8.69	502.0	61.9
225.0	2.64	1239.3	67.9
270.0	1.40	1360.6	64.7
315.0	2.31	1337.0	68.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 1134 m

INTERFERENCE ANALYSIS FOR PROPOSED KQTI-LD FACILITY AT BLACK ROCK MOUNTAIN (CHANNEL 31) (CELL SIZE = 1 KM / POINT SPACING = 0.8 KM)

Distance to Canadian border: 924.4 km

Distance to Mexican border: 913.0 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 251.3 degrees Distance: 885.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 93.5 degrees Distance: 590.9 km

Study cell size: 1.00 km

Profile point spacing: 0.83 km (Higher resolution terrain profile point spacing is requested.)

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000114065 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTVX	D30	DT	LIC	SALT LAKE CITY, UT	BLANK0000114065	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	2.6 km
	KUPX-TV	D29	DT	LIC	PROVO, UT	BLCDT20020510AAP	0.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
52949.5 2,389,107		35788.4 2,194,860		35750.2 2,189,048		35741.3 2,189,029	0.03 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KQTI-01 D31 LD APP		10.0 19				9.0 19	
KUPX-TV D29 DT LIC		38.2 5,812		38.2 5,812		37.2 5,812	

Interference to BLANK0000074800 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K31PJ-D	D31	LD	LIC	HOLBROOK, ID	BLANK0000074800	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	164.0 km
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	167.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
648.3 484		569.6 484		569.6 484		568.7 484	0.17 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KQTI-01 D31 LD APP		1.0 0				1.0 0	

Interference to BLDTT20110207AFL LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K31HS-D	D31	LD	LIC	MALAD, ID	BLDTT20110207AFL	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	155.4 km
	K31PJ-D	D31	LD	LIC	HOLBROOK, ID	BLANK0000074800	37.2
	K31FR-D	D31	LD	LIC	PRESTON, ID	BLDTT20111116AHZ	36.1
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	145.3
	K32NV-D	D32	LD	LIC	MALAD CITY, ID	BLANK0000074788	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1133.4 3,653		977.7 3,611		940.8 3,519		930.8 3,519	1.07 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KQTI-01 D31 LD APP		12.1 0				10.1 0	
K31PJ-D D31 LD LIC		4.0 0		4.0 0		2.0 0	
K31FR-D D31 LD LIC		3.0 0		3.0 0		3.0 0	
K32NV-D D32 LD LIC		29.9 92		29.9 92		29.9 92	

INTERFERENCE ANALYSIS FOR PROPOSED KQTI-LD FACILITY AT BLACK ROCK MOUNTAIN (CHANNEL 31) (CELL SIZE = 1 KM / POINT SPACING = 0.8 KM)

Interference to BLANK0000068416 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVUI	D31	DT	LIC	POCATELLO, ID	BLANK0000068416	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	243.9 km
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	23104.2	258,201	18141.2	251,402	18141.2	251,402	18124.1 251,402 0.09 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KQTI-01 D31 LD APP				17.2	0	17.2 0	

Interference to BLDTT20111116AHZ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31FR-D	D31	LD	LIC	PRESTON, ID	BLDTT20111116AHZ	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	164.3 km
	K300X-D	D30	LD	LIC	MONTPELIER, ID	BLANK0000063416	43.5
	K300Y-D	D30	LD	LIC	LOGAN, UT	BLANK0000072929	65.2
	K31CI-D	D31	LD	LIC	MONTPELIER, ID	BLDTT20111115AHC	43.5
	KVUI	D31	DT	LIC	POCATELLO, ID	BLANK0000068416	102.3
	K31PT-D	D31	LD	LIC	SODA SPRINGS, ID	BLANK000004679	56.6
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	122.4
	K32LX-D	D32	LD	LIC	SODA SPRINGS, ID	BLANK0000059258	56.9
	K32MW-D	D32	LD	LIC	LOGAN, UT	BLANK0000072930	65.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	3833.3	70,487	2887.6	29,839	2816.2	29,400	2815.1 29,400 0.04 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KQTI-01 D31 LD APP				2.0	0	1.0 0	
K300X-D D30 LD LIC				2.0	0	0.0 0	
K300Y-D D30 LD LIC				20.1	393	0.0 0	
K31CI-D D31 LD LIC				2.0	0	0.0 0	
KVUI D31 DT LIC				1.0	0	0.0 0	
K31PT-D D31 LD LIC				49.3	46	48.3 46	
K32LX-D D32 LD LIC				2.0	0	1.0 0	
K32MW-D D32 LD LIC				20.1	393	0.0 0	

Interference to BLDTT20101005ABZ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31FP-D	D31	LD	LIC	HEBER/MIDWAY, UT	BLDTT20101005ABZ	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	62.8 km
	K31FQ-D	D31	LD	LIC	PARK CITY, UT	BLDTT20090414AFO	14.0
	K31NK-D	D31	LD	LIC	PEOA,OAKLEY, UT	BLANK0000093255	20.1
	K31OB-D	D31	LD	LIC	RANDOLPH, UT	BLANK0000093380	121.7
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	285.6
	K32MK-D	D32	LD	LIC	PARK CITY, UT	BLANK0000093365	14.0
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	50.0
	K35EJ-D	D32	LD	LIC	WOODLAND, UT	BLDTT20110331ADY	19.7
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	2190.5	54,907	1652.5	41,285	1532.8	40,896	1524.8 40,872 0.52 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KQTI-01 D31 LD APP				9.0	24	8.0 24	
K31FQ-D D31 LD LIC				112.8	112	99.8 112	
K31NK-D D31 LD LIC				14.0	277	3.0 0	
K31OB-D D31 LD LIC				2.0	0	1.0 0	
K32MK-D D32 LD LIC				2.0	0	0.0 0	
K35EJ-D D32 LD LIC				5.0	277	1.0 0	

Interference to BLDTT20090714ABG LIC scenario 1

INTERFERENCE ANALYSIS FOR PROPOSED KQTI-LD FACILITY AT BLACK ROCK MOUNTAIN (CHANNEL 31) (CELL SIZE = 1 KM / POINT SPACING = 0.8 KM)

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31FN-D	D31	LD	LIC	MANTI & EPHRAIM, UT	BLDTT20090714ABG	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	155.4 km
	K31LC-D	D31	LD	LIC	NEPHI, UT	BLDTT20110722AAF	47.8
	K31GT-D	D31	LD	LIC	SCIPPIO, UT	BLDTT20091013ADC	34.5
	KMTI-LD	D32	LD	LIC	MANTI AND EPHRAIM, UT	BLDTL20121203ASD	0.4
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	107.1

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	2519.4	23,589	2058.6	21,567	0.39
			2047.7	21,567	0.00
Undesired		Total IX	Unique IX, before	Unique IX, after	
KQTI-01 D31 LD APP	7.9	0		7.9	0
K31LC-D D31 LD LIC	7.9	0	6.9	6.9	0
K31GT-D D31 LD LIC	3.0	0	2.0	2.0	0
KMTI-LD D32 LD LIC	1.0	0	1.0	1.0	0

Interference to BLDTT20090624AAN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31IU-D	D31	LD	LIC	MORGAN, ETC., UT	BLDTT20090624AAN	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	62.7 km
	K31FR-D	D31	LD	LIC	PRESTON, ID	BLDTT20111116AHZ	117.8
	K31PT-D	D31	LD	LIC	SODA SPRINGS, ID	BLANK0000004679	173.5
	K31OD-D	D31	LD	LIC	HENEFER, ETC., UT	BLANK0000093226	21.2
	K31FQ-D	D31	LD	LIC	PARK CITY, UT	BLDTT20090414AFO	44.4
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	232.0
	K32MK-D	D32	LD	LIC	PARK CITY, UT	BLANK0000093365	44.4
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	90.8
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	349.3	8,021	331.2	6,612	3.43		0.00
			323.1	6,612			
Undesired		Total IX	Unique IX, before	Unique IX, after			
KQTI-01 D31 LD APP	13.1	0		11.1	0		
K31FR-D D31 LD LIC	3.0	0	2.0	2.0	0		
K31PT-D D31 LD LIC	2.0	0	1.0	0.0	0		
K31OD-D D31 LD LIC	1.0	0	1.0	1.0	0		
K31FQ-D D31 LD LIC	3.0	0	2.0	1.0	0		
K32MK-D D32 LD LIC	1.0	0	0.0	0.0	0		

Interference to BLDTT20110722AAF LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31LC-D	D31	LD	LIC	NEPHI, UT	BLDTT20110722AAF	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	107.8 km
	K31NX-D	D31	LD	LIC	FOUNTAIN GREEN, UT	BLANK0000072230	37.7
	K31FP-D	D31	LD	LIC	HEBER/MIDWAY, UT	BLDTT20101005ABZ	100.4
	K31FN-D	D31	LD	LIC	MANTI & EPHRAIM, UT	BLDTT20090714ABG	47.8
	K31GT-D	D31	LD	LIC	SCIPPIO, UT	BLDTT20091013ADC	61.4
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	60.7
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	857.3	8,540	809.4	8,529	4.82		0.34
			788.3	8,529			
Undesired		Total IX	Unique IX, before	Unique IX, after			
KQTI-01 D31 LD APP	45.0	29		38.0	29		
K31NX-D D31 LD LIC	4.0	0	4.0	4.0	0		
K31FP-D D31 LD LIC	1.0	0	1.0	1.0	0		
K31FN-D D31 LD LIC	2.0	0	1.0	1.0	0		
K31GT-D D31 LD LIC	15.1	0	14.1	7.0	0		

Interference to BLDTT20090414AFO LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31FQ-D	D31	LD	LIC	PARK CITY, UT	BLDTT20090414AFO	

INTERFERENCE ANALYSIS FOR PROPOSED KQTI-LD FACILITY AT BLACK ROCK MOUNTAIN (CHANNEL 31) (CELL SIZE = 1 KM / POINT SPACING = 0.8 KM)

Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	57.3 km
	K31KC-D	D31	LD	LIC	COALVILLE&ADJ., UT	BLDTT20090624AAW	28.8
	K31FP-D	D31	LD	LIC	HEBER/MIDWAY, UT	BLDTT20101005ABZ	14.0
	K31NK-D	D31	LD	LIC	PEOA,OAKLEY, UT	BLANK0000093255	14.1
	K31OB-D	D31	LD	LIC	RANDOLPH, UT	BLANK0000093380	109.9
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	272.7
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	56.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
973.2 30,321	808.2 26,620	763.5 26,322	730.7 26,290	4.29 0.12

Undesired		Total IX	Unique IX, before	Unique IX, after
KQTI-01 D31 LD APP	43.7	70		32.8 32
K31KC-D D31 LD LIC	1.0	0	1.0 0	1.0 0
K31FP-D D31 LD LIC	5.0	0	4.0 0	4.0 0
K31NK-D D31 LD LIC	38.7	298	37.8 298	27.8 260
K31OB-D D31 LD LIC	1.0	0	1.0 0	1.0 0

Interference to BLANK0000093255 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K31NK-D	D31	LD	LIC	PEOA,OAKLEY, UT	BLANK0000093255	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	70.8 km
	K31KC-D	D31	LD	LIC	COALVILLE&ADJ., UT	BLDTT20090624AAW	22.6
	K31FQ-D	D31	LD	LIC	PARK CITY, UT	BLDTT20090414AFO	14.1
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	267.1
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	68.9
	K32MZ-D	D32	LD	LIC	SAMAK, UT	BLANK0000093234	13.3
	K35EJ-D	D32	LD	LIC	WOODLAND, UT	BLDTT20110331ADY	20.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
166.1 4,653	158.1 4,589	129.3 4,469	129.3 4,469	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KQTI-01 D31 LD APP	1.0	19		0.0 0
K31KC-D D31 LD LIC	1.0	0	1.0 0	1.0 0
K31FQ-D D31 LD LIC	23.9	24	22.9 20	21.9 1
K32MZ-D D32 LD LIC	3.0	89	2.0 32	2.0 32
K35EJ-D D32 LD LIC	3.0	68	1.0 7	1.0 7

Interference to BLANK0000054781 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K27KM	D31z	LD	CP	WENDOVER, UT	BLANK0000054781	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	153.2 km

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2951.1 5,848	2789.2 5,848	2789.2 5,848	2722.6 5,848	2.39 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KQTI-01 D31 LD APP	66.6	0		66.6 0

Interference to BLCDT20090616ACK LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	50.2 km

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
35496.8 2,218,047	20481.7 2,036,258	20481.7 2,036,258	20196.3 2,026,153	1.39 0.50

Undesired		Total IX	Unique IX, before	Unique IX, after
KQTI-01 D31 LD APP	285.4	10,105		285.4 10,105

INTERFERENCE ANALYSIS FOR PROPOSED KQTI-LD FACILITY AT BLACK ROCK MOUNTAIN (CHANNEL 31) (CELL SIZE = 1 KM / POINT SPACING = 0.8 KM)

Interference to BPCDT20100921AAY CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KUTH-DT	D32	DT	CP	PROVO, UT	BPCDT20100921AAY	
Undesireds:	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	2.6 km
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
52875.9 2,390,597		35833.7 2,197,867		35833.7 2,197,867		35822.7 2,197,848	0.03 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KQTI-01 D31 LD APP		10.9		19		10.9 19	

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	
Undesireds:	KTVX	D30	DT	LIC	SALT LAKE CITY, UT	BLANK0000114065	2.6 km
	K31FQ-D	D31	LD	LIC	PARK CITY, UT	BLDTT20090414AFO	57.3
	K31NK-D	D31	LD	LIC	PEOA,OAKLEY, UT	BLANK0000093255	70.8
	K31GT-D	D31	LD	LIC	SCIPPIO, UT	BLDTT20091013ADC	164.5
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	285.0
	KUTH-DT	D32	DT	LIC	PROVO, UT	BLCDT20090616ACK	50.2
Service area		Terrain-limited		IX-free		Percent IX	
14538.3 1,987,467		10426.8 1,842,513		10219.5 1,817,292		1.99 1.37	
Undesired		Total IX		Unique IX		Prct Unique IX	
KTVX D30 DT LIC		190.3 24,986		151.2 15,918		1.45 0.86	
K31FQ-D D31 LD LIC		2.0 19		1.0 0		0.01 0.00	
K31NK-D D31 LD LIC		1.0 19		0.0 0		0.00 0.00	
K31GT-D D31 LD LIC		1.0 0		1.0 0		0.01 0.00	
KUTH-DT D32 DT LIC		53.1 9,284		14.0 216		0.13 0.01	

Interference to proposal scenario 2
6.35% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KQTI-01	D31	LD	APP	OGDEN, UT	kqti-01	
Undesireds:	KTVX	D30	DT	LIC	SALT LAKE CITY, UT	BLANK0000114065	2.6 km
	K31FQ-D	D31	LD	LIC	PARK CITY, UT	BLDTT20090414AFO	57.3
	K31NK-D	D31	LD	LIC	PEOA,OAKLEY, UT	BLANK0000093255	70.8
	K31GT-D	D31	LD	LIC	SCIPPIO, UT	BLDTT20091013ADC	164.5
	K31DC	N31	TX	LIC	FREEDOM, WY	BLTT20050303AAK	285.0
	KUTH-DT	D32	DT	CP	PROVO, UT	BPCDT20100921AAY	2.6
Service area		Terrain-limited		IX-free		Percent IX	
14538.3 1,987,467		10426.8 1,842,513		10099.3 1,725,542		3.14 6.35	
Undesired		Total IX		Unique IX		Prct Unique IX	
KTVX D30 DT LIC		190.3 24,986		15.0 206		0.14 0.01	
K31FQ-D D31 LD LIC		2.0 19		1.0 0		0.01 0.00	
K31NK-D D31 LD LIC		1.0 19		0.0 0		0.00 0.00	
K31GT-D D31 LD LIC		1.0 0		1.0 0		0.01 0.00	
KUTH-DT D32 DT CP		309.5 116,746		134.2 91,966		1.29 4.99	