



**KIPT - TWIN FALLS, IDAHO
MARCH 2024
APPENDIX B
78 kW - Channel 22
Longley-Rice Interference Analysis**

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KIPT 22 BLEDT20120808ABN, Model: Longley-Rice
Start: 2024.03.06 13:38:44

Study created: 2024.03.06 13:38:44

Study build station data: LMS TV 2024-03-04 #491

Proposal: KIPT D22 DD LIC TWIN FALLS, ID
File number: BLEDT20120808ABN
Facility ID: 62427
Station data: LMS TV 2024-03-04 #491
Record ID: c9a34ee00712487daeaacf6212b6c0ea
Country: U.S.
Zone: II
Ref. lat.: 42 43 45.60 N
Ref. long.: 114 24 56.10 W
DTS sites: 2

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

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KAID	D21	DD	LIC	BOISE, ID	BLEDT20120719ABH	177.8 km
No	KPVI-DT	D23	DT	LIC	POCATELLO, ID	BLCDT20060706AEF	170.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied, DTS site # 1:

Channel: D22
Latitude: 42 43 45.90 N (NAD83)
Longitude: 114 24 56.50 W
Height AMSL: 1353.6 m
HAAT: 181.9 m
Peak ERP: 78.0 kW
Antenna: Omnidirectional
Elev Pattn: DIE-TLP-24 (C) PM
Elec Tilt: 0.50

39.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	78.0 kW	150.8 m	67.3 km
45.0	78.0	146.8	67.0
90.0	78.0	136.1	66.1
135.0	78.0	171.5	68.9

Appendix B - Interference Analysis **KIPT - Twin Falls, Idaho** **Channel 22 -78 kW - Page 2**

180.0	78.0	211.8	71.9
225.0	78.0	231.5	73.4
270.0	78.0	220.5	72.5
315.0	78.0	185.3	70.0

Record parameters as studied, DTS site # 2:

Channel: D22
Latitude: 43 16 50.00 N (NAD83)
Longitude: 114 9 17.00 W
Height AMSL: 2015.2 m
HAAT: 487.0 m
Peak ERP: 0.040 kW
Antenna: SCA-4DR-8S (ID 20753) 0.0 deg
Elev Pattn: SCA-4DR-8S

39.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.040 kW	415.9 m	41.8 km
45.0	0.015	424.2	35.8
90.0	0.000	474.4	2.0
135.0	0.000	553.2	1.7
180.0	0.000	604.7	7.9
225.0	0.000	553.2	1.4
270.0	0.000	443.3	5.0
315.0	0.014	506.5	37.9

Database HAAT does not agree with computed HAAT

Database HAAT: 487 m Computed HAAT: 497 m

**DTS proposal has coverage outside reference facility and distance limit

Distance to Canadian border: 635.6 km

Distance to Mexican border: 1113.0 km

Conditions at FCC monitoring station: Livermore CA

DTS site # 1 Bearing: 230.7 degrees Distance: 834.4 km

DTS site # 2 Bearing: 228.7 degrees Distance: 890.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

DTS site # 1 Bearing: 107.5 degrees Distance: 814.8 km

DTS site # 2 Bearing: 112.2 degrees Distance: 815.7 km

Study cell size: 2.00 km

Profile point spacing: 1.00 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLEDT20120719ABH LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KAID	D21	DD	LIC	BOISE, ID	BLEDT20120719ABH	
Undesireds:	KIPT	D22	DD	BL	TWIN FALLS, ID	DTVBL62427	177.8 km
	KIPT	D22	DD	LIC	TWIN FALLS, ID	BLEDT20120808ABN	177.8
	KBOI-TV	D20	DT	CP	BOISE, ID	BLANK0000226094	0.0
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	42440.6	711,035	35133.8	702,721	34595.8	702,366	0.00 0.00

Appendix B - Interference Analysis
KIPT - Twin Falls, Idaho
Channel 22 -78 kW - Page 3

Undesired		Total IX	Unique IX, before		Unique IX, after	
KIPT D22 DD BL	27.8	2	27.8	2		
KIPT D22 DD LIC	27.8	2			27.8	2
KBOI-TV D20 DT CP	510.1	353	510.1	353	510.1	353

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIPT	D22	DD	LIC	TWIN FALLS, ID	BLEDT20120808ABN	

	Service area		Terrain-limited			IX-free	Percent IX	
16875.5	171,405	15858.5	170,455	15858.5	170,455	0.00	0.00	