

The only hits are on the same station (DTVPLN 0744). Passed all others.

TW Census data selected 2000

Post Transition Data Base Selected /space/software/cdbb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-12-2008 Time: 14:42:56

Record Selected for Analysis

KTMWD USERRECORD-01 SALT LAKEX UT US
Channel 20 ERP 530. kW HAAT 1169. m RCAMSL 02757 m
Latitude 040-39-12 Longitude 0112-12-06
Status APP Zone 1 Border
Dir Antenna Make CDB Model 00000000019009 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits

Channel 20 ERP = 530.00 HAAT = 1169.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	410.458	1254.7	137.1
45.0	244.987	1263.1	130.9
90.0	120.781	1174.2	120.0
135.0	519.345	864.4	125.6
180.0	144.970	588.0	102.6
225.0	18.364	1309.7	104.6
270.0	24.822	1453.5	111.0
315.0	55.112	1442.5	119.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KTMWD 20 SALT LAKE EX UT USERRECORD01

and station

SHORT TO: KUPX 16 PROVO UT BLCT 19980423KF
040-16-45 0111-56- 0
Req. separation => 24.1 <= 80.5 Actual separation 47.4 Short 33.1(23.3) km

SHORT TO: 960722KV 18 OGDEN UT BPET 19960722KV
041-15-17 0112-14-14
Req. separation => 24.1 <= 80.5 Actual separation 66.9 Short 13.6(42.8) km

SHORT TO: 960726KR 18 OGDEN UT BPET 19960726KR
041-15-17 0112-14-13
Req. separation => 24.1 <= 80.5 Actual separation 66.9 Short 13.6(42.8) km

SHORT TO: 961118KE 18 OGDEN UT BPET 19961118KE
040-57- 0 0111-48-30
Req. separation => 24.1 <= 80.5 Actual separation 46.8 Short 33.7(22.7) km

SHORT TO: 961119KK 18 OGDEN UT BPET 19961119KK
041-09-25 0112-04-54
Req. separation => 24.1 <= 80.5 Actual separation 56.8 Short 23.7(32.7) km

SHORT TO: KTMW 20 SALT LAKE CITY UT BLCT 20010522AAZ
040-39-12 0112-12- 6
Req. separation 217.3 Actual separation 0.0 Short 217.3 km

SHORT TO: KTMW 20 SALT LAKE CITY UT DTVPLN DTVP0744
40 -39-12 112 -12-06

Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: KTMW 20 SALT LAKE CITY UT BMPCT 19990308KF
040-39-12 0112-12- 6
Req. separation 217.3 Actual separation 0.0 Short 217.3 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
20	KTMWD	SALT LAKE UT	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KUES	RICHFIELD UT	224.7	LIC	BLEDT	-20030429AAT
19	KUES	RICHFIELD UT	224.7	PLN	DTVPLN	-DTVP0704
20	950306KF	IDAHO FALLS ID	346.1	APP	BPCDT	-20080215AJF
20	950306KF	IDAHO FALLS ID	346.1	PLN	DTVPLN	-DTVP0724
20	KTMW	SALT LAKE CITY UT	0.0	PLN	DTVPLN	-DTVP0744

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KUES	RICHFIELD UT	BLEDT	-20030429AAT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KUEW	ST. GEORGE UT	219.3	LIC	BLEDT	-20020826ABB
18	KUEW	ST. GEORGE UT	219.3	PLN	DTVPLN	-DTVP0658
20	KTMW	SALT LAKE CITY UT	224.7	PLN	DTVPLN	-DTVP0744
20	KTMWD	SALTLAKEX UT	224.7	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KUES	RICHFIELD UT	DTVPLN	-DTVP0704

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KUEW	ST. GEORGE UT	219.3	LIC	BLEDT	-20020826ABB
18	KUEW	ST. GEORGE UT	219.3	PLN	DTVPLN	-DTVP0658
20	KTMW	SALT LAKE CITY UT	224.7	PLN	DTVPLN	-DTVP0744
20	KTMWD	SALTLAKEX UT	224.7	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	950306KF	IDAHO FALLS ID	BPCDT	-20080215AJF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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20	KTMW	SALT LAKE CITY UT	346.1	PLN	DTVPLN	-DTVP0744
20	KTMWD	SALT LAKE EX UT	346.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.			
20	950306KF	IDAHO FALLS ID	DTVPLN	-DTVP0724		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
20	KTMW	SALT LAKE CITY UT	346.1	PLN	DTVPLN	-DTVP0744
20	KTMWD	SALT LAKE EX UT	346.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.			
20	KTMW	SALT LAKE CITY UT	DTVPLN	-DTVP0744		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
19	KUES	RICHFIELD UT	224.7	LIC	BLEDT	-20030429AAT
19	KUES	RICHFIELD UT	224.7	PLN	DTVPLN	-DTVP0704
20	950306KF	IDAHO FALLS ID	346.1	APP	BPCDT	-20080215AJF
20	950306KF	IDAHO FALLS ID	346.1	PLN	DTVPLN	-DTVP0724
20	KTMWD	SALT LAKE EX UT	0.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 5
Before Analysis

Results for: 20A UT SALT LAKE CITY DTVPLN DTVP0744 PLN

HAAT 1171.0 m, ATV ERP 73.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1805589	36497.7
not affected by terrain losses	1734821	24443.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 20A UT SALT LAKE CITY DTVPLN DTVP0744 PLN

HAAT 1171.0 m, ATV ERP 73.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1805589	36497.7
not affected by terrain losses	1734821	24443.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1698237	17483.1
lost to ATV IX only	1698237	17483.1
lost to all IX	1698237	17483.1

Potential Interfering Stations Included in above Scenario 1

20A UT SALT LAKEX USERRECORD01 APP

The following station failed the de minimis interference criteria.

20D UT SALT LAKEX USERRECORD01
ERP 530.00 kW HAAT 1169.0 m RCAMSL 2757.0 m
Antenna CDB 00000000019009

Due to interference to the following station and scenario: 1

20D UT SALT LAKE CITY DTVPLN DTVP0744
ERP 73.29 kW HAAT 1171.0 m RCAMSL 2757.0 m
Antenna CDB 00000000074746

Percent new interference from proposal: 97.8912 to DTVPLN DTVP0744

Result key: 2
Scenario 2 Affected station 5
Before Analysis

Results for: 20A UT SALT LAKE CITY DTVPLN DTVP0744 PLN

HAAT 1171.0 m, ATV ERP 73.3 kW

	POPULATION	AREA (sq km)
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within Noise Limited Contour	1805589	36497.7
not affected by terrain losses	1734821	24443.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 2

After Analysis

Results for: 20A UT SALT LAKE CITY DTVPLN DTVP0744 PLN
 HAAT 1171.0 m, ATV ERP 73.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1805589	36497.7
not affected by terrain losses	1734821	24443.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1698237	17483.1
lost to ATV IX only	1698237	17483.1
lost to all IX	1698237	17483.1

Potential Interfering Stations Included in above Scenario 2

20A UT SALT LAKEX USERRECORD01 APP

The following station failed the de minimis interference criteria.

20D UT SALT LAKEX USERRECORD01
 ERP 530.00 kW HAAT 1169.0 m RCAMSL 2757.0 m
 Antenna CDB 00000000019009

Due to interference to the following station and scenario: 2

20D UT SALT LAKE CITY DTVPLN DTVP0744
 ERP 73.29 kW HAAT 1171.0 m RCAMSL 2757.0 m
 Antenna CDB 00000000074746

Percent new interference from proposal: 97.8912 to DTVPLN DTVP0744

Worst case new IX 97.8912% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel Call City/State Application Ref. No.
20 KTMWD SALT LAKE UT USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	KUES	RICHFIELD UT	224.7	LIC	BLEDT -20030429AAT
19	KUES	RICHFIELD UT	224.7	PLN	DTVPLN -DTVP0704
20	950306KF	IDAHO FALLS ID	346.1	APP	BPCDT -20080215AJF
20	950306KF	IDAHO FALLS ID	346.1	PLN	DTVPLN -DTVP0724
20	KTMW	SALT LAKE CITY UT	0.0	PLN	DTVPLN -DTVP0744

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 6
Before Analysis

Results for: 20A UT SALT LAKE UT USERRECORD01 APP
 HAAT 1169.0 m, ATV ERP 530.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1944079	48292.4
not affected by terrain losses	1802025	31250.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1391021	18554.4
lost to ATV IX only	1391021	18554.4
lost to all IX	1391021	18554.4

Potential Interfering Stations Included in above Scenario 1

20A UT SALT LAKE CITY DTVPLN DTVP0744 PLN

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