

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Balt14d15kwIF, Model: Longley-Rice

Start: 2021.05.21 16:27:06

Study created: 2021.05.21 16:27:06

Study build station data: LMS TV 2021-05-21

Proposal: WLZH-LD D14 LD APP Baltimore, MD

Facility ID: 57539

Station data: User record

Record ID: 2221

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WWTD-LD	D14	LD	LIC	WASHINGTON, DC	BLDTL20140320ADR	78.1 km
Yes	W14DK-D	D14	LD	LIC	DAGSBORO, DE	BLANK0000001183	126.4
No	WRDC	D14	DT	LIC	DURHAM, NC	BLANK0000125503	460.7
No	WJKP-LD	D14	LD	LIC	CORNING, NY	BLANK0000129357	295.2
No	WSYT	D14	DT	LIC	SYRACUSE, NY	BLANK0000086898	375.3
No	DWSTQ-LP	D14	LD	APP	SYRACUSE, NY	BDFCDTL20140429AAR	383.0
No	W14CO-D	D14	LD	LIC	CLARKS SUMMIT, ETC., PA	BLDTT20090810AAA	229.2
No	WNLO-CD	D14	DC	LIC	NORFOLK, VA	BLANK0000125110	299.5
No	DW14DY-D	D14	LD	APP	ONANCOCK, VA	BLDTT20120614AAF	204.7
No	WXOB-LD	D14	LD	CP	RICHMOND, VA	BDCCDTL20100726AIN	227.0
No	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	239.5
Yes	WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	78.1
No	WHSV-TV	D15	LD	CP	Massanutten, VA	BLANK0000071679	225.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14
Mask: Full Service
Latitude: 39 30 54.10 N (NAD83)
Longitude: 76 33 33.70 W
Height AMSL: 258.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	78.0 m	42.3 km
45.0	15.0	97.6	45.0
90.0	15.0	133.9	48.2
135.0	15.0	166.5	50.4
180.0	15.0	149.9	49.4
225.0	15.0	130.5	48.0
270.0	15.0	139.9	48.7
315.0	15.0	108.4	46.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 126 m

Distance to Canadian border: 418.5 km

Distance to Mexican border: 2416.7 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 210.1 degrees Distance: 44.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 280.9 degrees Distance: 2437.1 km

**Proposal fails contour check to land mobile station: BUCKS PA WQFA917 ch. 14
**Proposal fails contour check to land mobile station: HUNTERDON NJ WQFA917 ch. 14
**Proposal fails contour check to land mobile station: HUNTERDON NJ WQFA917 ch. 14
**Proposal fails distance check to land mobile station: LANCASTER PA WQNI284 ch. 15, 45.1 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQNI284 ch. 15, 46.7 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQNI284 ch. 15, 77.2 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQNI284 ch. 15, 92.6 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQNI286 ch. 15, 56.5 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQNI287 ch. 15, 62.0 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB478 ch. 15, 66.1 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB478 ch. 15, 73.2 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB478 ch. 15, 72.5 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB478 ch. 15, 80.9 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB478 ch. 15, 82.3 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB480 ch. 15, 39.4 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB480 ch. 15, 50.1 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB480 ch. 15, 46.7 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB480 ch. 15, 62.3 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB480 ch. 15, 77.2 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB483 ch. 15, 48.1 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB483 ch. 15, 57.1 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB483 ch. 15, 60.7 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB483 ch. 15, 56.5 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB483 ch. 15, 62.2 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB483 ch. 15, 67.2 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB485 ch. 15, 42.1 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB485 ch. 15, 55.9 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB485 ch. 15, 42.0 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB485 ch. 15, 59.4 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQRB485 ch. 15, 67.1 km
**Proposal fails distance check to land mobile station: LANCASTER PA WQVS780 ch. 15, 44.4 km

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 BLDTL20140320ADR LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWTB-LD	D14	LD	LIC	WASHINGTON, DC	BLDTL20140320ADR	
Undesireds:	WLZH-LD	D14	LD	APP	Baltimore, MD		78.1 km
	W14DK-D	D14	LD	LIC	DAGSBORO, DE	BLANK0000001183	133.3
	WXOB-LD	D14	LD	CP	RICHMOND, VA	BDCCDTL20100726AIN	152.1
	WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
7242.6	5,231,048	7207.7	5,227,821	5287.9	4,325,550	5092.9 4,258,207	3.69 1.56
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLZH-LD	D14 LD APP	447.6	203,496			195.0 67,343	
W14DK-D	D14 LD LIC	2.0	21	2.0	21	1.0 0	
WXOB-LD	D14 LD CP	1.0	0	0.0	0	0.0 0	
WFDC-DT	D15 DT LIC	1917.9	902,250	1916.9	902,250	1666.2 766,118	

Interference to BLANK0000001183 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W14DK-D	D14	LD	LIC	DAGSBORO, DE	BLANK0000001183	
Undesireds:	WLZH-LD	D14	LD	APP	Baltimore, MD		126.4 km
	DW14DY-D	D14	LD	APP	ONANCOCK, VA	BLDTT20120614AAF	91.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3703.9	220,747	3703.9	220,747	3700.9	220,725	3699.9 220,622	0.03 0.05
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLZH-LD	D14 LD APP	1.0	103			1.0 103	
DW14DY-D	D14 LD APP	3.0	22	3.0	22	3.0 22	

Interference to BLANK0000041206 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	
Undesireds:	WLZH-LD	D14	LD	APP	Baltimore, MD		78.1 km
	WRAZ	D15	DT	LIC	RALEIGH, NC	BLANK0000143683	384.8
	WPSU-TV	D15	DD	LIC	CLEARFIELD, PA	BLEDT20130614ACC	268.8
	WCPB	D16	DT	CP	SALISBURY, MD	BLANK0000143851	143.2
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	24893.2	8,155,201	23901.9	8,093,085	23731.2	8,075,287	23652.1 8,065,594
							0.33 0.12
Undesired				Total IX	Unique IX, before	Unique IX, after	
WLZH-LD D14 LD APP		84.0		13,159		79.1	9,693
WRAZ D15 DT LIC		1.0		5	1.0	5	
WPSU-TV D15 DD LIC		169.6		17,793	169.6	17,793	164.7 14,327

Interference to proposal scenario 1
6.36% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLZH-LD	D14	LD	APP	Baltimore, MD		
Undesireds:	WWTD-LD	D14	LD	LIC	WASHINGTON, DC	BLDTL20140320ADR	78.1 km
	WFDC-DT	D15	DT	LIC	ARLINGTON, VA	BLANK0000041206	78.1
	Service area		Terrain-limited		IX-free	Percent IX	
	7032.4	2,464,269	6878.3	2,446,945	6564.7	2,291,240	4.56 6.36
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WWTD-LD D14 LD LIC		311.6		154,863	279.8	128,338	4.07 5.24
WFDC-DT D15 DT LIC		33.8		27,367	2.0	842	0.03 0.03