

# FIGURE 4 - W33EM-LD TVSTUDY SUMMARY REPORT

CELL SIZE 1.0 KM

USE OF PROFILE SPACING 0.1 IS REQUESTED

Study build station data: LMS TV 2023-02-24

Proposal: W33EM-LD D33 LD APP Pittsburgh, PA  
 File number: W33EM APP  
 Facility ID: 68024  
 Station data: User record  
 Record ID: 691  
 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
No	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	58.7 km
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	64.6
No	DWBBP-LP	N31+	TX	APP	FREEDOM, PA	BLTTL20040909ABD	92.0
No	WOUB-TV	D32	DT	LIC	ATHENS, OH	BLANK0000068360	265.8
No	WYFX-LD	D32	LD	LIC	YOUNGSTOWN, OH	BLANK0000082699	142.0
No	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	53.3
No	WMVH-CD	D32	DC	CP	CHARLEROI, PA	BLANK0000127551	53.3
No	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	206.5
No	WKHU-CD	D32	DC	LIC	KITTANNING, PA	BLANK0000079958	59.4
No	WKHU-CD	D32	DC	CP	KITTANNING, PA	BLANK0000127549	59.4
No	WCAV	D32	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000092578	265.2
No	W32FY-D	D32	LD	LIC	CLARKSBURG, WV	BLANK0000179434	140.8
No	WHUT-TV	D33	DT	LIC	WASHINGTON, DC	BLANK0000178029	241.3
No	WOWZ-LD	D33	LD	LIC	SALISBURY, MD	BLANK0000184175	364.9
No	WUNL-TV	D33	DT	LIC	WINSTON-SALEM, NC	BLANK0000121301	444.3
No	WSKG-TV	D33	LD	CP	BINGHAMTON, NY	BLANK0000054938	334.2
No	WGRZ	D33	DT	CP	BUFFALO, NY	BLANK0000035664	277.6
No	WGRZ	D33	DT	LIC	BUFFALO, NY	BLANK0000137137	277.6
No	WQIZ-LD	D33+	LD	LIC	ASHLAND, OH	BLANK0000136481	259.6
No	WQIZ-LD	N33+	TX	LIC	ASHLAND, OH	BLTTL20020211ABL	259.6
No	WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK0000204188	425.3
Yes	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	143.3
No	WPSG	D33	DT	LIC	PHILADELPHIA, PA	BLANK0000129342	346.0
No	WQPX-TV	D33	DT	LIC	SCRANTON, PA	BLANK0000080158	326.8
No	DW33AD	N33	TX	APP	CONCORD, VA	BLTTL19821108IO	328.1
No	WTVZ-TV	D33	DT	CP	NORFOLK, VA	BLANK0000117232	456.5
No	WTVZ-TV	D33	DT	LIC	NORFOLK, VA	BLANK0000125150	456.5
No	WOCW-LD	D33+	LD	LIC	CHARLESTON, WV	BLANK0000074740	292.9
No	W33EJ-D	D33	LD	LIC	MOOREFIELD, WV	BLANK0000081241	148.5
No	WDTV	D33	DT	LIC	WESTON, WV	BLANK0000197623	140.8
No	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK0000153860	241.9
No	WKBW-TV	D34	DT	LIC	BUFFALO, NY	BLANK0000134785	267.7
No	WIVM-LD	D34	LD	LIC	CANTON, OH	BLANK0000121314	174.8
No	WPXI	D34	LD	LIC	PITTSBURGH, PA	BLANK0000106623	111.4
No	WHSV-TV	D34	LD	LIC	HARRISONBURG, VA	BLANK0000120242	215.1
Yes	WNPB-TV	D34	DT	LIC	MORGANTOWN, WV	BLANK0000106559	76.1
No	W34FE-D	D34	LD	LIC	PARKERSBURG, WV	BLANK0000201163	214.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33  
 Mask: Full Service  
 Latitude: 40 17 1.75 N (NAD83)  
 Longitude: 79 18 13.43 W  
 Height AMSL: 535.5 m  
 HAAT: 0.0 m  
 Peak ERP: 2.00 kW  
 Antenna: SCA PR-TV CUS 135.0 deg  
 Elev Pattn: Generic

50.6 dBu contour:

Azimuth ERP HAAT Distance

0.0 deg	0.014 kW	174.3 m	14.3 km
45.0	0.015	-85.9	6.1
90.0	0.017	100.9	11.4
135.0	2.00	91.2	32.1
180.0	0.025	75.8	10.8
225.0	0.020	-6.8	6.5
270.0	1.34	171.1	36.1
315.0	0.039	206.5	20.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 91 m

Proposal 25.60 dBu contour does not cross Canadian border  
Distance to Canadian border: 243.3 km

Distance to Mexican border: 2276.2 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 119.6 degrees    Distance: 246.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 278.1 degrees    Distance: 2192.2 km

Study cell size: 1.00 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

Proposal causes 0.07% interference to BLANK0000089155 LIC scenario 2  
Proposal causes no interference to BLANK0000106559 LIC

---- Below is IX received by proposal W33EM APP ----

Proposal receives 2.47% interference from scenario 1

No IX check failures found.