

FIGURE 3 W33EM MINOR CHANGE APPLICATION FCC TVSTUDY SUMMARY REPORT

Proposal: W33EM-D D33 LD APP Pittsburgh, PA
 File number: W33EM-LD MOD
 Facility ID: 68024
 Station data: User record
 Record ID: 758
 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	63.0 km
No	WOUB-TV	D32	DT	LIC	ATHENS, OH	BLANK0000068360	258.9
No	WYFX-LD	D32	LD	LIC	YOUNGSTOWN, OH	BLANK0000082699	149.7
No	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK0000079929	48.6
No	WMVH-CD	D32	DC	CP	CHARLEROI, PA	BLANK00000127551	48.6
No	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	209.4
No	WKHU-CD	D32	DC	LIC	KITTANNING, PA	BLANK0000079958	72.4
No	WKHU-CD	D32	DC	CP	KITTANNING, PA	BLANK00000127549	72.4
No	WCAV	D32	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000092578	252.2
No	W32FY-D	D32	LD	LIC	CLARKSBURG, WV	BLANK00000179434	129.0
No	WHUT-TV	D33	DT	LIC	WASHINGTON, DC	BLANK00000178029	234.6
No	WKHA	D33	DT	LIC	HAZARD, KY	BLANK0000075043	469.9
No	WOWZ-LD	D33	LD	LIC	SALISBURY, MD	BLANK00000184175	359.3
No	WUNL-TV	D33	DT	LIC	WINSTON-SALEM, NC	BLANK00000221557	430.1
No	WSKG-TV	D33	LD	CP	BINGHAMTON, NY	BLANK0000054938	345.8
No	WGRZ	D33	DT	APP	BUFFALO, NY	BLANK00000220532	291.7
No	WGRZ	D33	DT	CP	BUFFALO, NY	BLANK0000035664	291.7
No	WGRZ	D33	DT	LIC	BUFFALO, NY	BLANK00000137137	291.7
No	WQIZ-LD	D33+	LD	LIC	ASHLAND, OH	BLANK00000136481	261.2
No	WQIZ-LD	N33+	TX	LIC	ASHLAND, OH	BLTTL20020211ABL	261.2
No	WHIO-TV	D33	DT	LIC	DAYTON, OH	BLANK00000204188	422.0
Yes	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK0000089155	151.1
Yes	WJAC-TV	D33	LD	LIC	JOHNSTOWN, PA	BLANK00000150586	87.8
No	WPSG	D33	DT	LIC	PHILADELPHIA, PA	BLANK00000237957	347.4
No	WPSG	D33	DT	LIC	PHILADELPHIA, PA	BLANK00000218164	347.4
No	WQPX-TV	D33	DT	LIC	SCRANTON, PA	BLANK0000080158	334.5
No	DW33AD	N33	TX	APP	CONCORD, VA	BLTTL19821108IO	314.3
No	WTVZ-TV	D33	DT	CP	NORFOLK, VA	BLANK00000117232	445.8
No	WTVZ-TV	D33	DT	LIC	NORFOLK, VA	BLANK00000125150	445.8
No	WOCW-LD	D33+	LD	LIC	CHARLESTON, WV	BLANK0000074740	282.1
No	W33EJ-D	D33	LD	LIC	MOOREFIELD, WV	BLANK0000081241	135.3
No	WDTV	D33	DT	LIC	WESTON, WV	BLANK00000197623	129.0
No	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK00000153860	235.1
No	WPXI	D34	LD	LIC	PITTSBURGH, PA	BLANK00000106623	120.0
No	WHSV-TV	D34	LD	LIC	HARRISONBURG, VA	BLANK00000120242	201.8
Yes	WNPB-TV	D34	DT	LIC	MORGANTOWN, WV	BLANK00000106559	63.3
No	W34FE-D	D34	LD	LIC	PARKERSBURG, WV	BLANK00000201163	205.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33
 Mask: Full Service
 Latitude: 40 9 24.50 N (NAD83)
 Longitude: 79 19 31.40 W
 Height AMSL: 562.9 m
 HAAT: 0.0 m
 Peak ERP: 2.50 kW
 Antenna: SCA-PR-TV 2-ARRAY 110/330 110.0 deg
 Elev Pattn: Generic

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.103 kW	83.6 m	15.6 km
45.0	0.023	126.7	13.6
90.0	0.524	-75.5	14.6
135.0	0.204	-129.5	11.5
180.0	0.015	-70.0	6.1
225.0	0.019	17.1	6.5

270.0	0.015	73.1	9.4
315.0	0.977	108.7	30.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 17 m

Proposal 25.60 dBu contour does not cross Canadian border
Distance to Canadian border: 256.5 km

Distance to Mexican border: 2265.9 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 116.4 degrees Distance: 241.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 278.4 degrees Distance: 2192.4 km

Study cell size: 1.00 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%

Proposal causes no interference to BLANK0000089155 LIC
Proposal causes no interference to BLANK0000150586 LIC
Proposal causes 0.02% interference to BLANK0000106559 LIC scenario 1
Proposal causes no interference to W33EM-LD MOD APP

No IX check failures found.