

FIGURE 3 - FCC TVSTUDY SUMMARY REPORT W36FK-LD ALTOONA PA
CELL SIZE 1.0 KM
PROFILE SPACING 1.0

NO PROHIBITIVE INTERFERENCE LEVELS

Study build station data: LMS TV 2023-02-20

Proposal: W36FK-D D36 LD APP Altoona, PA
File number: W36FK MINOR CHG APP
Facility ID: 68082
Station data: User record
Record ID: 682
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	WIIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTTL19981230JB	100.0 km
No	WHVL-LP	N29+	TX	APP	STATE COLLEGE, ETC., PA	BLTTTL19911123JH	82.7
No	WENY-TV	D35	DT	LIC	ELMIRA, NY	BLANK0000104138	207.0
No	WVIZ	D35	DT	LIC	Cleveland, OH	BLANK0000082429	234.2
Yes	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	61.4
No	WGAL	D35	LD	LIC	LANCASTER, PA	BLANK0000120645	187.6
No	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	269.0
No	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000152125	269.0
No	WKAS	D36	DT	LIC	ASHLAND, KY	BLANK0000087441	415.7
No	W23EX-D	N36z	TX	LIC	SUSSEX, NJ	BLTT19970806JC	371.4
No	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	409.0
No	WNLO	D36	DT	LIC	BUFFALO, NY	BLANK0000137113	194.9
No	WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000086487	416.6
No	WSPX-TV	D36	DT	LIC	SYRACUSE, NY	BLANK0000081964	330.7
No	WQHS-DT	D36	DT	LIC	CLEVELAND, OH	BLANK0000079885	235.2
No	WRGT-TV	D36	DT	LIC	DAYTON, OH	BLANK0000204184	468.1
No	WMNT-CD	D36	DC	LIC	TOLEDO, OH	BLANK0000067041	390.3
No	W36EY-D	D36-	DC	LIC	BERWICK, PA	BLANK0000105623	230.5
No	W36EK-D	D36	LD	LIC	ERIE, PA	BLANK0000198116	149.5
No	W36EK-D	D36	LD	CP	ERIE, PA	BLANK0000193262	149.5
No	WITF-TV	D36	DT	CP	HARRISBURG, PA	BLANK0000035782	187.6
No	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	187.6
No	WSWB	D36	LD	LIC	SCRANTON, PA	BLCDDT20091217AEX	305.4
No	DW36BE-D	D36	LD	APP	STATE COLLEGE, PA	BLDDTT20091023AIW	92.6
No	WWLM-CD	D36	DC	LIC	WASHINGTON, PA	BLANK0000189896	134.9
No	WSVF-CD	D36	DC	LIC	HARRISONBURG, VA	BLANK0000120243	281.7
No	WRID-LD	D36	LD	LIC	RICHMOND, VA	BLANK0000190917	399.9
No	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	426.8
No	W33EM-D	N43-	TX	LIC	Pittsburgh, PA	BLTT19981124JI	149.2

No non-directional AM stations found within 0.8 km
No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D36
Mask: Full Service
Latitude: 40 55 23.00 N (NAD83)
Longitude: 78 57 30.00 W
Height AMSL: 521.2 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: SCA PR-TV CUS 0.0 deg
Elev Pattn: Generic

50.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.034 kW	34.3 m	7.7 km
45.0	0.025	98.6	12.1
90.0	0.034	-35.8	7.3
135.0	3.00	4.1	22.1
180.0	0.034	29.1	7.3
225.0	0.025	81.5	11.1
270.0	0.034	104.7	13.4
315.0	3.00	57.7	28.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 47 m

Proposal 25.86 dBu contour does not cross Canadian border

Distance to Canadian border: 188.1 km

Distance to Mexican border: 2343.7 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 31.8 degrees Distance: 261.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 276.5 degrees Distance: 2212.1 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 0.01% interference to BLANK0000080232 LIC scenario 1

---- Below is IX received by proposal W36FK MINOR CHG APP ----

Proposal receives 1.41% interference from scenario 1

No IX check failures found.