

Figure 3 - K18NQ-LD FCC TVSTUDY SUMMARY REPORT

DEFAULT SETTINGS USED

1.0 CELL SIZE

1.0 PROFILE SPACING

Proposal: K18NQ-D D18 LD LIC RHINELANDER, WI
File number: K18NQ-LD APP
Facility ID: 129701
Station data: User record
Record ID: 698
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WEAU	D17	DT	LIC	EAU CLAIRE, WI	BLANK0000120880	202.9 km
No	WGBD-LD	D17	LD	LIC	GREEN BAY, WI	BLANK0000068358	100.9
No	W17DZ-D	D17	LD	LIC	SISTER BAY, WI	BLANK0000086983	111.2
No	KYIN	D18	DT	LIC	MASON CITY, IA	BL EDT20090612AHJ	386.7
No	KRIN	D18	LD	APP	WATERLOO, IA	BDRTEDT20120604AFO	346.1
No	WMEU-CD	D18	DC	LIC	CHICAGO, IL	BLANK0000086889	379.9
No	WMEU-CD	D18	DC	CP	CHICAGO, IL	BLANK0000196962	378.0
No	DWMKB-LP	D18z	LD	APP	Rochelle, IL	BLANK0000054707	364.6
No	WUHO-LD	D18+	LD	CP	KALAMAZOO, MI	BLANK0000169853	399.5
No	W18ER-D	D18	LD	LIC	MUSKEGON, MI	BLANK0000068548	284.4
No	WURO-LD	D18	LD	LIC	ROSCOMMON, MI	BLDTL20141113AFT	333.1
No	WEYI-TV	D18	DT	LIC	SAGINAW, MI	BLANK0000185142	442.7
No	WPBN-TV	D18	LD	LIC	TRAVERSE CITY, MI	BLANK0000143297	228.1
No	KQDS-TV	D18	DT	LIC	DULUTH, MN	BLANK0000120640	327.6
No	KHVM-LD	D18	LD	CP	MINNEAPOLIS, MN	BLANK0000197038	366.0
No	KHVM-LD	D18	LD	APP	MINNEAPOLIS, MN	BLANK0000202614	404.0
No	WBDL-LD	D18	LD	LIC	ELK MOUND, WI	BLANK0000168884	237.1
Yes	WLUK-TV	D18	DT	LIC	GREEN BAY, WI	BLANK0000199689	100.9
No	WMSN-TV	D18	DT	LIC	MADISON, WI	BLANK0000113879	255.9
No	WZMQ	D19	DT	LIC	MARQUETTE, MI	BLANK0000207012	155.6
No	WTPX-TV	D19	DT	LIC	ANTIGO, WI	BLANK0000054113	75.1
No	WMTV	D19	DT	LIC	MADISON, WI	BLCDT20100413AAW	255.2
No	WLWK-CD	D19	DC	LIC	STURGEON BAY, WI	BLANK0000072454	97.1

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

Record parameters as studied:

Channel: D18
Mask: Full Service
Latitude: 45 14 16.10 N (NAD83)
Longitude: 88 30 44.00 W
Height AMSL: 385.3 m
HAAT: 0.0 m
Peak ERP: 3.50 kW
Antenna: SCA PR-TV (ID 98391) 320.0 deg
Elev Patrn: Generic

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.028 kW	-3.9 m	7.7 km
45.0	0.008	36.3	6.2
90.0	0.006	78.4	8.3
135.0	0.002	91.4	7.2
180.0	0.005	81.5	8.2
225.0	0.007	37.0	6.1
270.0	0.012	-7.2	6.3
315.0	2.86	-18.1	23.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 37 m

Distance to Canadian border: 310.6 km

Distance to Mexican border: 2055.0 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 144.1 degrees Distance: 357.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 253.4 degrees Distance: 1474.1 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 0.04% interference to BLANK0000199689 LIC scenario 1

---- Below is IX received by proposal K18NQ-LD APP ----

Proposal receives 73.35% interference from scenario 1 - APPLICANT ACCEPTS INCOMING INTERFERENCE

No IX check failures found.