

FCC TVSTUDY SUMMARY OUTPUT - K16NY MOD OF CP

Proposal: K16NY-D D16 LD APP ELK POINT, SD
File number: K16NY-MOD CP
Facility ID: 185943
Station data: User record
Record ID: 584
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	KSMN	D15	DT	LIC	WORTHINGTON, MN	BLEDT20051219AGX	163.0 km
No	KFXL-TV	D15	DT	LIC	LINCOLN, NE	BLANK0000105938	194.6
No	KIUA-LD	D15	LD	CP	LINCOLN, NE	BLANK0000161040	225.2
No	KDSM-TV	D16	DT	LIC	DES MOINES, IA	BLCDT20110609ABE	242.1
No	KOOD	D16	DT	LIC	HAYS, KS	BLEDT20030423ABE	455.4
No	KTKA-TV	D16	DT	LIC	TOPEKA, KS	BLANK0000122453	385.4
No	K16MA-D	D16	LD	LIC	FROST, MN	BLANK0000062831	237.3
No	K46FY-D	D16	LD	LIC	REDWOOD FALLS, MN	BLANK0000063425	259.0
No	KPXM-TV	D16	DT	LIC	ST. CLOUD, MN	BLANK0000054906	400.2
No	K16CG-D	D16	LD	LIC	ST. JAMES, MN	BLDTL20120625AAQ	234.1
No	K16NO-D	D16	LD	CP	BEATRICE / FAIRBURY, NE	BLANK0000071827	258.4
No	KMJF-LD	D16	LD	LIC	COLUMBUS, NE	BLANK0000055199	132.5
No	K17MY-D	D17	LD	LIC	JACKSON, MN	BLANK0000064443	171.1
No	KYNE-TV	D17	DT	LIC	OMAHA, NE	BLANK0000123806	133.4
No	K17PB-D	D17	LD	CP	BRERESFORD, SD	BLANK0000157103	74.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D16
Mask: Full Service
Latitude: 42 28 21.00 N (NAD83)
Longitude: 96 25 21.00 W
Height AMSL: 471.5 m
HAAT: 0.0 m
Peak ERP: 4.40 kW
Antenna: ATC-BCE48M-V0-16 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	4.40 kW	90.0 m	37.8 km
45.0	3.54	110.7	39.0
90.0	2.12	94.2	34.7
135.0	1.88	137.2	37.7
180.0	2.21	140.9	38.8
225.0	1.88	125.6	36.9
270.0	2.12	124.5	37.5
315.0	3.54	129.7	40.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 119 m

Distance to Canadian border: 702.2 km

Distance to Mexican border: 1479.6 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 224.7 degrees Distance: 239.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 253.6 degrees Distance: 778.4 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%

---- Below is IX received by proposal K16NY-MOD CP ----

Proposal receives 0.11% interference from scenario 1

No IX check failures found.