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B. W. St. Clair

Engineering Statement Amendment

K39CH Ch 15

Amendment:

The applicant acknowledges the predicted incoming interference as determined by TVStudy and accepts same in order to move forward to a grant of this application.

Also attached is a No Objection Letter from Edge Spectrum, Inc.

Respectfully submitted,

Susan Hansen
Consultant
Aug 1, 2018

Study created: 2018.08.01 11:34:39

Study build station data: LMS TV 2018-07-27

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    Proposal: K39CH-D D15 LD APP *P REDWOOD FALLS, MN
 File number: BLANK0000054565
 Facility ID: 55441
Station data: LMS TV 2018-07-27
   Record ID: 25076f9162bbeb9d0162f9a7f1164c8d
     Country: U.S.
```

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

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KTIV	D14	DT	CP	SIOUX CITY, IA	BLANK0000034419	240.5 km
No	K14LZ-D	D14	LD	LIC	ALEXANDRIA, MN	BLDTL20120312ABZ	158.3
No	K14KD-D	D14	LD	LIC	FROST, MN	BLDTL20090730ACO	135.4
No	K14OL-D	D14	LD	LIC	GRANITE FALLS, MN	BLDTL20110824ACI	56.2
No	K33LN-D	D14	DC	APP	MINNEAPOLIS, MN	BDFCDTA20090721ACH	141.9
No	K14PU-D	D14	LD	CP	OAKLAND, MN	BNPDTL20100510AJW	179.7
Yes	K14KE-D	D14	LD	LIC	ST. JAMES, MN	BLDTL20100113ACZ	57.4
No	K16HY-D	D14	LD	CP	St. Paul, MN	BLANK0000054759	141.9
No	K14LF-D	D14	LD	LIC	WILLMAR, MN	BLDTT20100218ADS	68.8
No	KYOU-TV	D15	DT	LIC	OTTUMWA, IA	BLANK0000001581	446.3
No	NEW	D15	LD	APP	DULUTH, MN	BNPDTL20090825AQV	332.9
No	K15GT-D	D15-	LD	LIC	HIBBING, MN	BLANK0000016503	350.9
No	K15GT-D	N15-	TX	LIC	HIBBING, MN	BLTT20040909ABE	350.9
No	KWJM-LD	D15	LD	LIC	Minneapolis, MN	BLANK0000004612	154.6
No	KWJM-LD	D15	LD	CP	Minneapolis, MN	BLANK0000004719	141.9
No	KWJM-LD	D15	LD	APP	Minneapolis, MN	BLANK0000058499	141.9
Yes	K47JE-D	D15	LD	APP	OLIVIA, MN	BLANK0000053426	24.4
No	K15JF-D	D15	LD	CP	SAUK CENTRE, MN	BNPDTL20100505AKL	139.4
No	K49CU-D	D15	LD	CP	WALKER, MN	BLANK0000054624	268.0
No	K15IS-D	D15	LD	CP	WILLMAR, MN	BNPDTL20100504ALT	68.8
Yes	KSMN	D15	DT	LIC	WORTHINGTON, MN	BLEDT20051219AGX	106.5
No	KGFE	D15	DT	LIC	GRAND FORKS, ND	BLEDT20090619ADI	401.2
No	KFXL-TV	D15	DT	LIC	LINCOLN, NE	BLANK0000001045	434.0
No	KFXL-TV	D15	DT	APP	LINCOLN, NE	BLANK0000035803	445.6
No	K15IR-D	D15	LD	CP	ABERDEEN, SD	BNPDTL20100331AEY	302.1
No	K15JW-D	D15	LD	CP	PLANKINTON, SD	BNPDTL20100510AJD	292.6
No	WQOW	D15	DT	LIC	EAU CLAIRE, WI	BLCDT20090706AGH	278.1
No	WHLA-TV	D15	DT	CP	LA CROSSE, WI	BLANK0000031829	298.6
No	NEW	D15	LD	APP	LA CROSSE, WI	BNPDTL20100201AET	298.6
No	K16CO-D	D16	LD	LIC	ALEXANDRIA, MN	BLDTL20120312ACF	158.3
No	K16BQ	D16+	LD	CP	BRAINERD, MN	BLANK0000047348	206.7
No	K40JS-D	D16	LD	CP	FROST, MN	BLANK0000053790	135.4
No	K16CP-D	D16	LD	LIC	GRANITE FALLS, MN	BLDTL20110824ADB	56.2
No	K46FY-D	D16	LD	CP	REDWOOD FALLS, MN	BLANK0000054563	0.0
No	K16JN-D	D16	LD	CP	SAINT CLOUD, MN	BLANK0000013921	123.6
No	KPXM-TV	D16	DT	LIC	ST. CLOUD, MN	BLANK0000054906	151.7
No	K16CG-D	D16	LD	LIC	ST. JAMES, MN	BLDTL20120625AAQ	57.2
No	K16HY-D	D16	LD	LIC	St. Paul, MN	BLDTL20100521ACA	141.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D15
       Mask: Stringent
   Latitude:  44 32 58.90 N (NAD83)
  Longitude:  94 58  1.00 W
Height AMSL: 406.3 m
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HAAT: 0.0 m
Peak ERP: 0.370 kW
Antenna: MCI-955114 (ID 20050) 0.0 deg
Elev Pattrn: Generic

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.370 kW	86.8 m	24.9 km
45.0	0.322	85.0	23.9
90.0	0.370	93.8	25.7
135.0	0.322	124.1	27.8
180.0	0.370	94.4	25.8
225.0	0.322	92.2	24.8
270.0	0.370	121.6	28.4
315.0	0.322	93.5	25.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 99 m

Distance to Canadian border: 449.9 km

Distance to Mexican border: 1735.5 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 216.2 degrees Distance: 492.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 243.4 degrees Distance: 973.0 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%

**MX with BLANK0000053426 APP scenario 1, 2.74% interference caused

---- Below is IX received by proposal BLANK0000054565 ----

**MX with BLANK0000053426 APP scenario 1, 16.32% interference received