

STA K43JE-D Ch 25

FACILITY: K43JE-D FI 130209
VESTA, MN
EDGE SPECTRUM, INC.

Applicant has received a T-Mobile displacement letter. Applicant requests Special Temporary Authority to operate on Ch 25.

Applicant has a pending application on Ch 18 (BLANK 0000051902) that is in conflict with another station. An amendment to change the channel will be filed when the Settlement Window opens.

July 20, 2018

Amendment Statement: September 16, 2018

Applicant acknowledges and accepts the predicted incoming interference from KTIN.

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: BLANK0000058456, Model: Longley-Rice
Start: 2018.09.17 11:20:10

Study created: 2018.09.17 11:20:10

Study build station data: LMS TV 2018-09-17

Proposal: K43JE-D D25 LD STA *P LAKE CRYSTAL, MN
File number: BLANK0000058456
Facility ID: 130209
Station data: LMS TV 2018-09-17
Record ID: 25076f9164af64080164b84315af079c
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	KIMT	D24	DT	CP	MASON CITY, IA	BLANK0000027610	142.9 km
No	K24JU-D	D24	LD	CP	ALEXANDRA, MN	BNPDTL20100127ABQ	222.6
No	K5AX	D24	DT	CP	ALEXANDRIA, MN	BLANK0000025419	195.8
No	K24KZ-D	D24	LD	CP	BREWSTER, MN	BNPDTL20100510AJI	100.4
No	NEW	D24	LD	APP	DODGE CITY, MN	BNPDTL20090825BFG	116.8
No	K24CS-D	D24	LD	LIC	GRANITE FALLS, MN	BLDTL20110824ADA	131.7
No	NEW	D24	LD	APP	ROCHESTER, MN	BNPDTL20090825AJP	150.6
No	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	24.7
No	K24JV-D	D24	LD	LIC	ST. JAMES, MN	BLDTL20120625AAU	24.7
No	KCSO-TV	D24	DT	LIC	SIOUX FALLS, SD	BLDT20081121AKM	196.2
No	K28KK-D	D25	LD	CP	DECORAH, IA	BLANK0000054854	219.0
Yes	KTIN	D25	DT	LIC	FORT DODGE, IA	BLDT20070822ACB	137.5
No	KWKB	D25	DT	LIC	IOWA CITY, IA	BLCDT20070130AJQ	352.8
No	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLDTT20090528ACL	131.1
Yes	KJNK-LD	D25	LD	APP	MINNEAPOLIS, MN	BLANK0000058597	131.1
Yes	K25IT-D	D25	LD	LIC	REDWOOD FALLS, MN	BLDTT20120604AAV	76.7
No	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	156.6
No	K25NK-D	D25	LD	LIC	ROCHESTER, MN	BLDTL20120821AAX	156.5
No	K25NH-D	D25	LD	CP	SAUK CENTRE, MN	BNPDTL20100505AKM	203.7
No	K25LY-D	D25	LD	CP	FARGO, ND	BNPDTL20100422ACT	350.7
No	K25OU-D	D25	LD	LIC	BROOKINGS, SD	BLANK0000059337	198.6
No	KAUN-LP	N25	TX	CP	SIOUX FALLS, SD	BLANK0000054519	204.2
No	K25MD-D	D25	LD	CP	SUMMIT, SD	BNPDTL20100505ADW	261.6
No	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	239.8
No	WQOW	D25	DT	LIC	EAU CLAIRE, WI	BLANK0000059619	239.8
No	W25EY-D	D25	LD	CP	ELK MOUND, WI	BNPDTL20100513AEV	227.6
No	K26JI-D	D26	LD	LIC	SIBLEY, IA	BLDTT20101213AAZ	131.4
No	K40MC-D	D26	LD	CP	GRANITE FALLS, MN	BLANK0000053712	131.7
No	KXLT-TV	D26	DT	CP	ROCHESTER, MN	BLANK0000027876	149.2
No	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	24.4
No	K26CS-D	D26	LD	APP	ST. JAMES, MN	BLANK0000058899	24.4
No	K26MG-D	D26	LD	CP	WELLS, MN	BNPDTL20100510AJP	63.0
No	K39FE-D	D26	LD	CP	WILLMAR, MN	BLANK0000053378	137.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
Mask: Full Service
Latitude: 44 3 5.40 N (NAD83)
Longitude: 94 17 59.90 W
Height AMSL: 453.3 m
HAAT: 0.0 m
Peak ERP: 7.50 kW
Antenna: SCA-4DR-8S (ID 20753) 5.0 deg
Elev Pattn: Generic

49.9 dBu contour:
Azimuth ERP HAAT Distance
0.0 deg 7.35 kW 150.7 m 44.5 km
45.0 3.47 151.3 40.7
90.0 0.015 155.8 14.2
135.0 0.003 149.0 9.4
180.0 0.007 144.4 21.3
225.0 0.003 140.6 9.1
270.0 0.029 145.3 15.9
315.0 1.95 147.5 37.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 148 m

Distance to Canadian border: 486.6 km

Distance to Mexican border: 1706.4 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 225.6 degrees Distance: 485.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 248.1 degrees Distance: 998.7 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%

Interference to BLEDT20070822ACB LIC scenario 1

Desired:	Call KTIN	Chan D25	Svc DT	Status LIC	City, State FORT DODGE, IA	File Number BLEDT20070822ACB	Distance
Undesireds:	K43JE-D KIMT KWKB WQOW	D25 D24 D25 D25	LD DT DT DT	STA CP LIC CP	LAKE CRYSTAL, MN MASON CITY, IA IOWA CITY, IA EAU CLAIRE, WI	BLANK0000058456 BLANK0000027610 BLCDT20070130AJ0 BLANK0000027863	137.5 km 156.3 279.3 323.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27818.0	280,818	27750.6	279,465	27689.4	278,895	27633.6 278,412	0.20 0.17
Undesired				Total IX	Unique IX, before	Unique IX, after	
K43JE-D	D25	LD	STA	55.8	483	55.8	483
KIMT	D24	DT	CP	28.0	128	22.0	74
KWKB	D25	DT	LIC	39.2	496	33.2	442

Interference to BLANK0000058597 APP scenario 1

Desired:	Call KJNK-LD	Chan D25	Svc LD	Status APP	City, State MINNEAPOLIS, MN	File Number BLANK0000058597	Distance		
Undesireds:	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	131.1 km		
	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	142.7		
	W24CL-D	D24	LD	APP	GRANTSBURG, WI	BLANK0000059109	114.7		
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	127.5		
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	143.6		
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	142.6		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
7117.6	2,784,432		7111.5	2,783,506		7091.5	2,783,410	0.00	0.00
Undesired			Total IX		Unique IX, before		Unique IX, after		
K43JE-D	D25	LD	STA	1.0	1	0.0	0		
K25NK-D	D25	LD	APP	17.0	64	16.0	64		
WQOW	D25	DT	CP	4.0	32	3.0	32		

Interference to BLANK0000058597 APP scenario 2

Desired:	Call KJNK-LD	Chan D25	Svc LD	Status APP	City, State MINNEAPOLIS, MN	File Number BLANK0000058597	Distance						
Undesireds:	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	131.1 km						
	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	142.7						
	W24CL-D	D24	LD	APP	GRANTSBURG, WI	BLANK0000059109	114.7						
	K25NK-D	D25	LD	LIC	ROCHESTER, MN	BLDTL20120821AAX	127.5						
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	143.6						
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDDT20090817ABZ	142.6						
Service area		Terrain-limited			IX-free, before		IX-free, after	Percent New IX					
7117.6		2,784,432			7111.5		2,783,506	7081.5	2,783,342	7081.5	2,783,342	0.00	0.00
Undesired				Total IX		Unique IX, before		Unique IX, after					
K43JE-D	D25	LD	STA	1.0		1		0.0		0			
K25NK-D	D25	LD	LIC	27.0		132		26.0		132			
WQOW	D25	DT	CP	4.0		32		2.0		31			

Interference to BLANK0000058597 APP scenario 3

Desired:	Call KJNK-LD	Chan D25	Svc LD	Status APP	City, State MINNEAPOLIS, MN	File Number BLANK0000058597	Distance			
Undesireds:	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	131.1 km			
	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	142.7			
	W24CL-D	D24	LD	APP	GRANTSBURG, WI	BLANK0000059109	114.7			
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	127.5			
	WQOW	D25	DT	LIC	EAU CLAIRE, WI	BLANK0000059619	143.6			
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	142.6			
Service area		Terrain-limited			IX-free, before		IX-free, after	Percent New IX		
7117.6	2,784,432	7111.5	2,783,506		7090.5	2,783,395	7090.5	2,783,395	0.00	0.00
Undesired				Total IX	Unique IX, before		Unique IX, after			
K43JE-D	D25	LD	STA	1.0	1	0.0		0		
K25NK-D	D25	LD	APP	17.0	64	16.0	64	16.0	64	
WQOW	D25	DT	LIC	5.0	47	4.0	47	3.0	46	

Interference to BLANK0000058597 APP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KJNK-LD	D25	LD	APP	MINNEAPOLIS, MN	BLANK0000058597	
Undesireds:	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	131.1 km
	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	142.7
	W24CL-D	D24	LD	APP	GRANTSBURG, WI	BLANK0000059109	114.7
	K25NK-D	D25	LD	LIC	ROCHESTER, MN	BLDTL20120821AAX	127.5
	WQOW	D25	DT	LIC	EAU CLAIRE, WI	BLANK0000059619	143.6
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	142.6

Service area	7117.6	2,784,432	Terrain-limited	7111.5	2,783,506	IX-free, before	7080.5	2,783,327	IX-free, after	7080.5	2,783,327	Percent New IX	0.00	0.00
Undesired					Total IX		Unique IX, before		Unique IX, after					
K43JE-D D25 LD STA			1.0		1				0.0		0			
K25NK-D D25 LD LIC			27.0		132		26.0	132	26.0		132			
WQOW D25 DT LIC			5.0		47		4.0	47	3.0		46			

Interference to BLDTT20120604AAV LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K25II-D	D25	LD	LIC	REDWOOD FALLS, MN	BLDTT20120604AAV	
Undesireds:	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	76.7 km
	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	57.2
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLD2T20070822ACB	197.6
	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLD2T20090528ACL	141.9
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	216.5
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	278.1
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLD2T20090817ABZ	57.4

Service area	1742.4	13,130	Terrain-limited	1739.4	13,128	IX-free, before	1738.4	13,128	IX-free, after	1725.3	13,083	Percent New IX	0.75	0.34
Undesired					Total IX		Unique IX, before		Unique IX, after					
K43JE-D D25 LD STA			14.0		45				13.0		45			
KTIN D25 DT LIC			1.0		0		1.0	0	0.0		0			

Interference to BLDTT20120604AAV LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K25II-D	D25	LD	LIC	REDWOOD FALLS, MN	BLDTT20120604AAV	
Undesireds:	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	76.7 km
	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	57.2
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLD2T20070822ACB	197.6
	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLD2T20090528ACL	141.9
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	216.5
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	278.1
	K26CS-D	D26	LD	APP	ST. JAMES, MN	BLANK0000058899	57.4

Service area	1742.4	13,130	Terrain-limited	1739.4	13,128	IX-free, before	1738.4	13,128	IX-free, after	1725.3	13,083	Percent New IX	0.75	0.34
Undesired					Total IX		Unique IX, before		Unique IX, after					
K43JE-D D25 LD STA			14.0		45				13.0		45			
KTIN D25 DT LIC			1.0		0		0.0	0	0.0		0			
K26CS-D D26 LD APP			1.0		0		0.0	0	0.0		0			

Interference to proposal scenario 1

**MX: 6.28% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	
Undesireds:	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	24.7 km
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLD2T20070822ACB	137.5
	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLD2T20090528ACL	131.1
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	156.6
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	239.8
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLD2T20090817ABZ	24.4

Service area	2434.3	98,658	Terrain-limited	2426.2	96,702	IX-free	2349.7	90,632	Percent IX	3.15	6.28
Undesired					Total IX		Unique IX		Prcnt Unique IX		
K24JV-D D24 LD APP			15.1		131		1.0	0	0.04	0.00	
KTIN D25 DT LIC			36.2		5,466		36.2	5,466	1.49	5.65	
K26CS-D D26 LD LIC			39.3		604		25.2	473	1.04	0.49	

Interference to proposal scenario 2

6.29% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	
Undesireds:	K24JV-D	D24	LD	LIC	ST. JAMES, MN	BLD2L20120625AAU	24.7 km
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLD2T20070822ACB	137.5
	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLD2T20090528ACL	131.1
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	156.6
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	239.8
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLD2T20090817ABZ	24.4

Service area	2434.3	98,658	Terrain-limited	2426.2	96,702	IX-free	2346.7	90,615	Percent IX	3.28	6.29
Undesired					Total IX		Unique IX		Prcnt Unique IX		
K24JV-D D24 LD LIC			20.2		153		4.0	17	0.17	0.02	
KTIN D25 DT LIC			36.2		5,466		36.2	5,466	1.49	5.65	
K26CS-D D26 LD LIC			39.3		604		23.2	468	0.96	0.48	

Interference to proposal scenario 3

**MX: 8.31% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	
Undesireds:	K24JV-D	D24	LD	APP	ST. JAMES, MN	BLANK0000058896	24.7 km
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	137.5
	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLDTT20090528ACL	131.1
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	156.6
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	239.8
	K26CS-D	D26	LD	APP	ST. JAMES, MN	BLANK0000058899	24.4

Service area	2434.3	98,658	Terrain-limited	2426.2	96,702	2275.2	IX-free	88,670	Percent IX	6.23	8.31
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Undesired				Total IX		Unique IX	Prcnt Unique IX
K24JV-D	D24	LD	APP	15.1	131	1.0	0.04
KTIN	D25	DT	LIC	36.2	5,466	35.2	1.45
K26CS-D	D26	LD	APP	114.9	2,566	99.8	4.11

Interference to proposal scenario 4
 **MX: 8.31% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K43JE-D	D25	LD	STA	LAKE CRYSTAL, MN	BLANK0000058456	
Undesireds:	K24JV-D	D24	LD	LIC	ST. JAMES, MN	BLDTL20120625AAU	24.7 km
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	137.5
	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLDTT20090528ACL	131.1
	K25NK-D	D25	LD	APP	ROCHESTER, MN	BLANK0000058282	156.6
	WQOW	D25	DT	CP	EAU CLAIRE, WI	BLANK0000027863	239.8
	K26CS-D	D26	LD	APP	ST. JAMES, MN	BLANK0000058899	24.4

Service area	2434.3	98,658	Terrain-limited	2426.2	96,702	2274.2	IX-free	88,670	Percent IX	6.27	8.31
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Undesired				Total IX		Unique IX	Prcnt Unique IX
K24JV-D	D24	LD	LIC	20.2	153	2.0	0.08
KTIN	D25	DT	LIC	36.2	5,466	35.2	1.45
K26CS-D	D26	LD	APP	114.9	2,566	95.8	3.95