



**Exhibit 13-1 Contour Study for channel 256FX**  
(St. Paul, MN Proposal)  
2/15/2015

Channel: 256

Antenna: Non-directional Circularly Polarized

ERP: 0.038 kW (H & V)

RCAMSL: 329 m

North Lat: 45° 2' 54"

West Lon: 93° 2' 25"

HAAT (Max of 12 evenly spaced radials:) 81.3 m

60 dBu F(50,50): 7.2 km; 40 dBu F(50,10): 24.3 km; 54 dBu F(50,10): 10.3 km; 100 dBu F(50,10): 0.43 km

Call	Class	Frequency	Status	City	State	Country	File Number
Docket	Channel   Service	ERP	DA?	HAAT	RCAMSL	RCAGL	Latitude
ASRN	Dist(km)	Dist(mi)	Azimuth	Licensee/Permittee	Req	Dist	Clear by
<a href="#">KTIS-FM</a>	253 C0 FM	98.5 MHz	LIC	MINNEAPOLIS	MN	US	BMLED-20030304AAJ
-	<a href="#">49787</a>	100. kW		315. m	593. m	316. m	N 45 3 30.00 W 93 7 27
<a href="#">1022899</a>	6.7 km	4.16 mi	279.61°	UNIVERSITY OF NORTHWESTERN-ST. PAUL			<a href="#">See Waiver Req.</a>
<a href="#">NEW</a>	255 L1 FL	98.9 MHz	CP	MINNEAPOLIS	MN	US	BNPL-20131114BRM
-	<a href="#">196844</a>	0.1 kW		29.3 m	293. m	30. m	N 44 57 7.95 W 93 15 14
-	20.0 km	12.39 mi	237.60°	PILLSBURY UNITED COMMUNITIES			
Dist to 60	dBu F(50,50)	Contour:	5.6 km			15.9 km	9.4 km
<a href="#">WKFX</a>	256 C2 FM	99.1 MHz	LIC	RICE LAKE	WI	US	BLH-19991105AAO
-	<a href="#">55339</a>	44. kW		159. m	516. m	139. m	N 45 22 23.00 W 91 55 22
<a href="#">1024831</a>	94.9 km	58.98 mi	67.19°	TKC, INC.			
Dist to 60	dBu F(50,50)	Contour:	52.2 km			76.5 km	18.4 km
<a href="#">KSJN</a>	258 C FM	99.5 MHz	LIC	MINNEAPOLIS	MN	US	BLH-19910814KH
-	<a href="#">42911</a>	100. kW		315. m	593. m	316. m	N 45 3 30.00 W 93 7 27
<a href="#">1022899</a>	6.70 km	4.16 mi	279.61°	MINNESOTA PUBLIC RADIO			<a href="#">See Waiver Req.</a>

## Map Showing no prohibited contour overlap

