

ENGINEERING EXHIBIT
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)
DIGITAL TELEVISION STATION KAAL-DT
AUSTIN, MINNESOTA
CH. 33 224 kW 293 M

This Engineering Statement was prepared on behalf of KAAL-TV, LLC concerning a request from station KAAL-DT to operate post-transition with Special Temporary Authority (“STA”). Specifically, KAAL-DT is requesting an STA to operate post-transition with its currently authorized pre-transition facilities. DTV station KAAL-DT is currently authorized (BMPCDT-20060706ADT, BLCDDT-20061109ACW pending) for digital operation on channel 33 with a non-directional ERP of 224 kilowatts and an antenna radiation center height above average terrain (HAAT) of 293 meters. KAAL-DT’s post transition allotment is for operation on channel 36 with a non-directional effective radiated power (ERP) of 500 kilowatts and an antenna radiation center HAAT of 295 meters (RCAMSL of 670 meters), employing a non-directional antenna.

This STA requests that KAAL-DT continue to operate post-transition with its currently authorized pre-transition facilities. The details and specifications of the proposed operation are summarized in the table below:

Parameter	Proposed
Call Sign	KAAL-DT
Channel	33
City of License	Austin, MN
Facility ID	18285
FCC ASRN	1024162

Parameter	Proposed
Geographic coordinates (NAD27)	43-37-42 N 93-09-13 W
Site elevation	394.7 m AMSL
Overall structure height AGL(with all appurtenances)	312.7 m
Antenna radiation center height AGL	275.8 m
Antenna radiation center height AMSL	670.5 m
Antenna radiation center HAAT	293 m
Antenna, make and model	ERI, ALP24M3-HSO-33
Antenna type	Non-directional, horizontally-polarized
Major lobe orientation	0° T
Electrical beam tilt	0.75°
Mechanical beam tilt	Not Applicable
Maximum horizontally-polarized ERP	224 kW (23.5 dBk)
Maximum vertically-polarized ERP	Not Applicable

There will be no change in the overall height of the existing antenna structure as a result of the proposed STA operation. The FCC Tower Registration Number for the existing structure is 1024162.

Figure 1 is a map showing the FCC Predicted noise limited (41 dBu) and city grade (48 dBu) contours. As shown, the proposed STA facility will provide an FCC Predicted 48 dBu signal to the entire city limits of Austin.

A post transition OET-69 interference analysis was conducted for the proposed STA facility. The interference analysis was conducted based on employing 2000 U.S. Census data, a cell size of 2 kilometers and a terrain increment of 1 kilometer.

Figure 2 is a tabulation of the interference results. As shown in Figure 2, the proposed STA facility complies with the FCC's post transition interference criteria with respect to all pertinent stations.

If there are questions concerning the technical portion of this application, please contact the office of the undersigned.

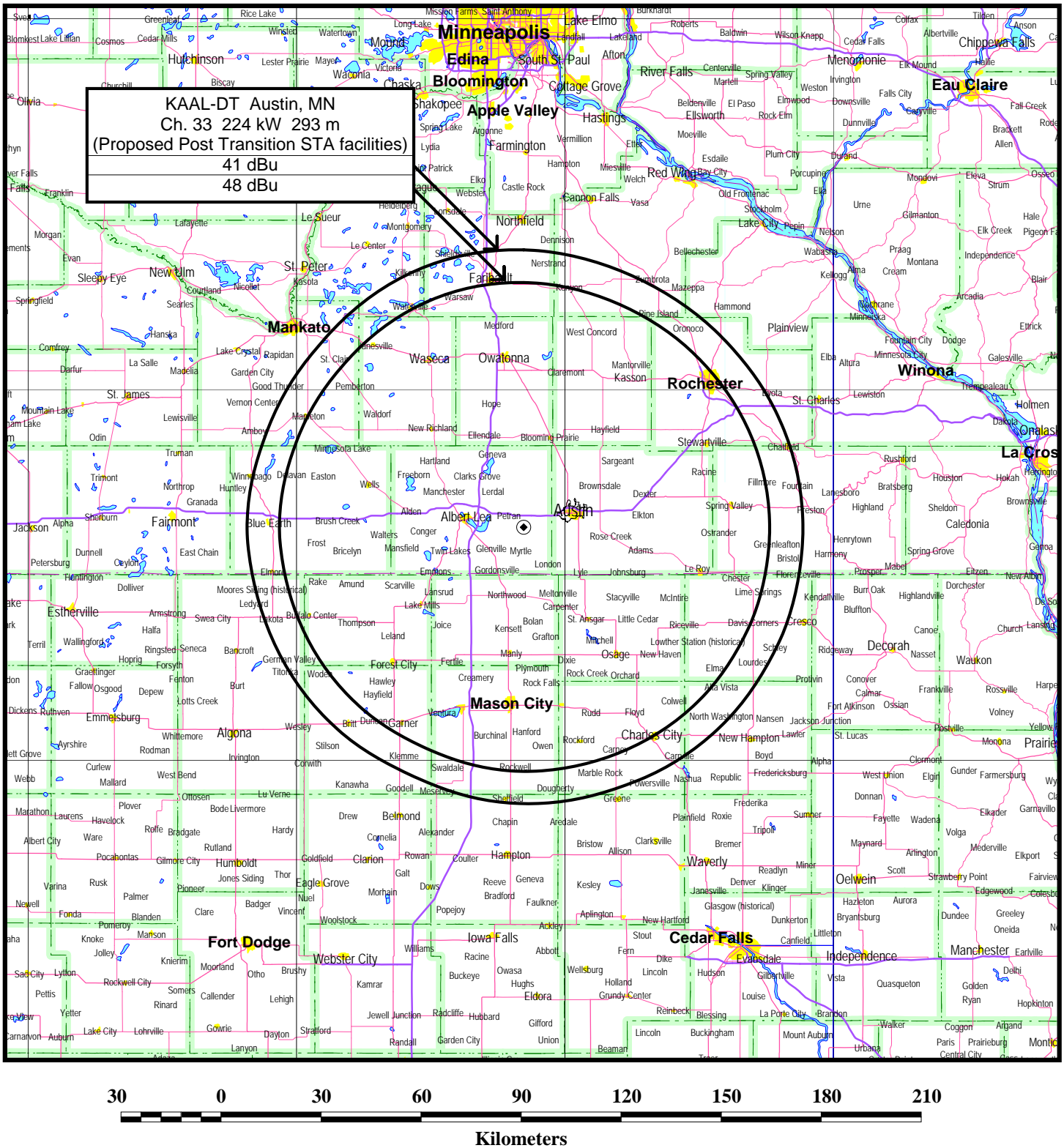


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Figure 1



FCC PREDICTED COVERAGE CONTOURS

DTV STATION KAAL-DT
 AUSTIN, MN
 CH 33 224 KW 293 M

du Treil, Lundin & Rackley, Inc. Sarasota, FL 34237

OET-69 POST TRANSITION INTERFERENCE RESULTS

Channel	Callsign	Application Reference Number	Status	City	State	Interference	Baseline	Percentage
32	WCCO-TV	BLCDT-20010921ABB	LIC	MINNEAPOLIS	MN	11168	3468859	0.322
32	WCCO-TV	DTVPLN-DTVP1184	PLN	MINNEAPOLIS	MN	11168	3468859	0.322
33	KBIN-TV	BLEDT-20050711ABX	LIC	COUNCIL BLUFFS	IA	5	816229	0.001
33	KBIN-TV	DTVPLN-DTVP1217	PLN	COUNCIL BLUFFS	IA	5	816229	0.001
33	KDLH	BLCDT-20071113AJQ	LIC	DULUTH	MN	31	252042	0.012
33	KDLH	DTVPLN-DTVP1218	PLN	DULUTH	MN	45	252042	0.018
33	KTVO	BLCDT-20030604AAC	LIC	KIRKSVILLE	MO	None		
33	KTVO	DTVPLN-DTVP1219	PLN	KIRKSVILLE	MO	None		
33	WITI	BMPCDT-20080620ANH	CP MOD	MILWAUKEE	WI	None		
33	WITI	DTVPLN-DTVP1236	PLN	MILWAUKEE	WI	None		
34	KEFB	DTVPLN-DTVP1248	PLN	AMES	IA	None		
34	KEFB	BPEDT-20080808ABH	CP	AMES	IA	None		
34	KTCA-TV	BLEDT-20060802AAO	LIC	SAINT PAUL	MN	None		
34	KTCA-TV	DTVPLN-DTVP1256	PLN	ST. PAUL	MN	None		