

## Exhibit 10 - Fill-in Translator Requirements

The proposed facility will operate with an ERP of 0.250 kw @ 41m AGL. As required by CFR 74.1201(j) AM Fill-in area, the proposed 60dBu service contour lies entirely within the area within the lesser of the 2 mV/m daytime contour of the AM radio broadcast station being re-broadcast and a 25-mile (40 km) radius centered at the AM transmitter site. The attached Contour map (Exhibit 10a) illustrates this with the WKZI 2mv/m contour, the 25 mile (40km) radius circle and the proposed contour, all drawn from the attached supporting data (Exhibits 10b,c).

All the statements, maps and data contained in the following pages are true and correct to the best of my knowledge and belief and were prepared by me or under my supervision. Unless otherwise noted, all data and maps are from *rFinvestigator V.3.524* by *rFsoftware, Inc.* All maps utilize USGS rasterized data and terrain data is based on the USGS 3-second DEM(DMA) terrain database, ver. 2012. Scale is as described on each map and all co-ordinates are NAD 27 datum unless otherwise noted.



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01-27-2015

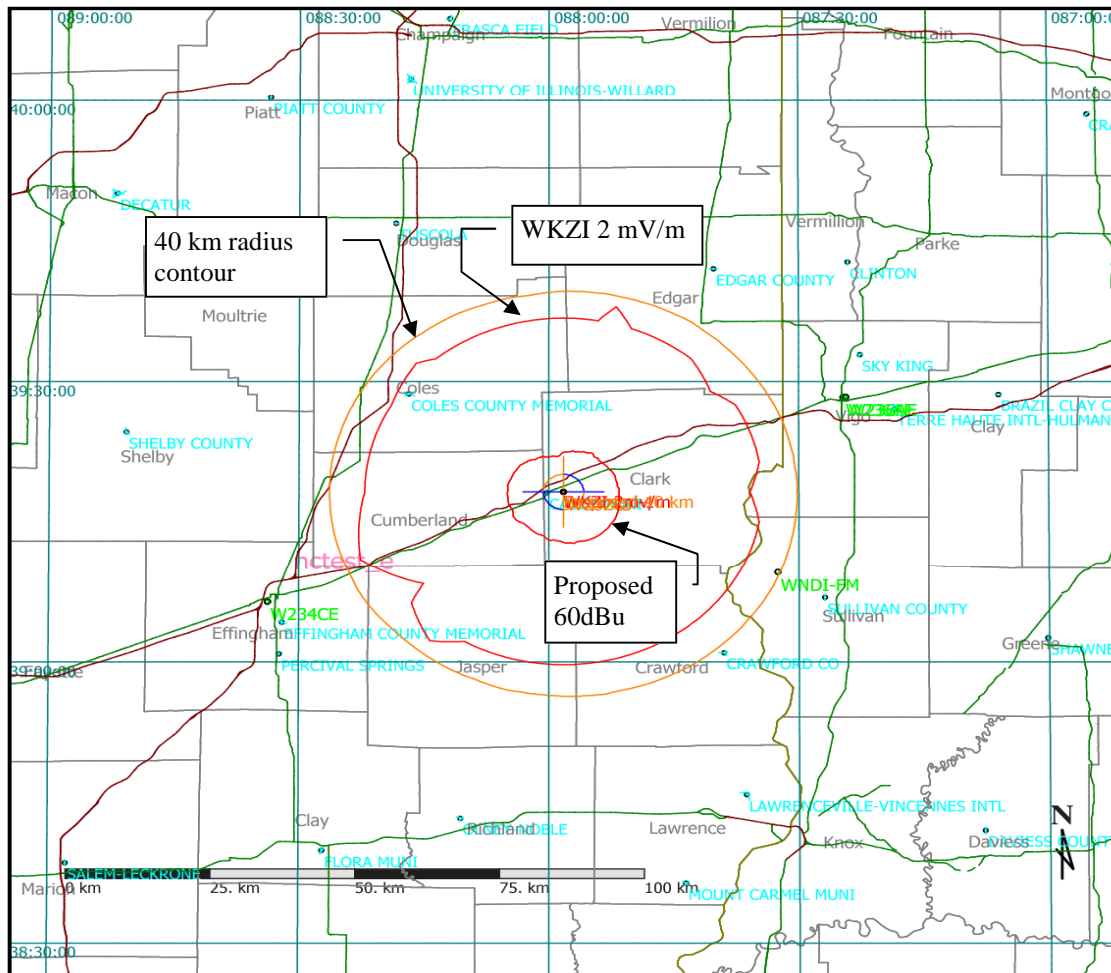
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## Exhibit 10a– Contour Max Limit Compliance

### Contour Analysis

FET Engineering  
 Job: W232CJ Upwatt.fmj  
 Master Database: 2015\_Jan\_13.fmd  
 Lat: N39:18:14 Lon: W087:58:15 NAD-27  
 Scale: 1:1000000  
 Channel: 235 Class: DX  
 Status: Licensed, Construction Permit, Application  
 Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj  
 Range: 75 km, Clearance: FCC  
 Comments: No Comments  
 Description: Proposed ch235 Max Contour Map

rfInvestigator Version 3.5.25  
 by rfSoftware, Inc.  
 Date: 1/26/2015 10:19:49 AM  
 Key:  
 City Grade  
 Protected  
 Co-Channel  
 1st Adj  
 2nd/3rd Adj



### Exhibit 10B-WKZI 2mV/m Contour Data

Distance to Contours Prepared by Paul Dean Ford, P.E March 21, 2013

Distance to WKZI Contours from WKZI Change to a NEW transmitter site, dated July 22, 1963. M-3 ground conductivity was used except where "M" is used. "M" designates a measured radial. Measurements are on file in a Report of Test Transmitter KSJ-843 Casey, IL dated October 2, 1962 and in an amendment to the Casey Application dated October 2, 1962.

Azimuth	WKZI(AM)	2.0 mV/m
Degrees True		Kilometers
0		34.27903
10		34.27903
13.5	M	37.6585
20-40		34.27903
52.5	M	32.18688
60-80		34.27903
90	M	32.18688
100-210		34.27903
218.5	M	37.49772
230		34.27903
233	M	30.25567
249	M	37.49772
270-300		34.27903
315	M	35.88837
320-350		34.27903

## Exhibit 10c– 60 dBu Contour Data

### 12 Radial Average Terrain Report

#### FET Engineering

Job: W232CJ Upwatt.fmj:\*Proposed-12 radial  
N39:18:14 W087:58:15 NAD-27  
Channel: 235 Class: DX  
Description: Proposed ch235 60dBu 12 Radial

rfInvestigator Version 3.5.25  
by rfSoftware, Inc.  
Date: 1/26/2015 10:23:22 AM  
USGS 3-Sec DEM(DMA)

Site Elevation: 186.1 meters AMSL Rad Center: 237.5 meters AMSL

#### Radial Details

Bearing Degrees True	Average Height 3.0 to 16.0 km meters (feet)		Antenna Height HAAT meters (feet)		Min Height AMSL meters (feet)		Max Height AMSL meters (feet)	
000	200.6	(658)	36.9	(121)	194.0	(636)	208.0	(682)
030	191.2	(627)	46.3	(152)	183.0	(600)	200.0	(656)
060	189.1	(620)	48.4	(159)	181.9	(597)	204.1	(669)
090	184.9	(607)	52.6	(172)	168.0	(551)	196.0	(643)
120	175.2	(575)	62.3	(204)	164.1	(539)	183.0	(600)
150	173.4	(569)	64.1	(210)	160.6	(527)	187.0	(614)
180	180.2	(591)	57.3	(188)	162.8	(534)	192.0	(630)
210	185.9	(610)	51.6	(169)	171.3	(562)	196.0	(643)
240	181.0	(594)	56.4	(185)	168.0	(551)	198.0	(650)
270	183.4	(602)	54.0	(177)	163.0	(535)	198.0	(650)
300	188.4	(618)	49.1	(161)	183.0	(600)	203.9	(669)
330	199.9	(656)	37.5	(123)	192.0	(630)	228.0	(748)

#### Average of -N- Radials

8 Radials	187.0	(613)	50.5	(166)
12 Radials	186.1	(611)	51.4	(169)
72 Radials	189.4	(621)	48.1	(158)
360 Radials	187.3	(615)	50.1	(164)