

Exhibit 12—Contour Spacing

The proposed facility will operate with an ERP of 0.250kw @ 34.9m AGL. A Contour spacing study was conducted (see Exhibit 12A) and found no expected interference to any co-, first, second or third adjacent, channel 6 or IF stations. Clearance is illustrated in attached Exhibit 12B, Contour Spacing map. Exhibit 12C shows 12 radial 60dBu Contour Data.

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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FET Engineering
Haubstadt, IN 47639
4-27-2016

Exhibit 12A-Contour Spacing Study

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Date: 4/27/2016 2:35:10 PM
rfInvestigator Version 3.7.3
by rfSoftware, Inc.

FET Engineering
Job: W234CK.fmj
Master Database: 2016_Apr_27.fmd
Lat: N39:18:14 Lon: W087:58:15 NAD-27
Channel: 234 Class: DX
Status: Licensed, Construction Permit, Application, Addition
Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF, TV6
Range: 150 km
Comments: No Comments
Description: Minor Modification of 20150303AAX

Callign	City	State	Channel	Adjacency	Class	Latitude (N)	Longitude (N)	ERP	HAAT	Distance	Bear/Owner	73 215 Min 73 215 Clear
W234CK	CASEY	IL	234 : 94.7 MHz	Co-Chan	DX	N39:18:14	W087:58:15	CP M 0.25	0	0.01	000 WORD POWER, INC.	0
WWVR	WEST TERRE H	IN	288 : 105.5 MHz	IF	A	N39:27:13	W087:28:15	LIC 3.30	90	46.18	069 EMMIS RADIO LICENSE, LLC	10
W288DB	ROBINSON	IL	288 : 105.5 MHz	IF	DX	N39:59:59	W087:35:58	CP 0.16	20	46.59	136 COVENANT NETWORK	0
W262BJ	ROBINSON	IL	232 : 94.3 MHz	2nd Adj	DX	N39:00:21	W087:46:35	CP 0.25	0	37.11	153 THE ORIGINAL COMPANY, INC.	0
WNDI-FM	SULLIVAN	IN	237 : 95.3 MHz	3rd Adj	A	N39:09:36	W087:32:32	LIC 6.00	100	40.31	113 J T M BROADCASTING CORPORATI	0
WJUG	ALTAMONT	IL	288 : 105.5 MHz	IF	A	N39:06:26	W088:33:44	LIC 3.60	127	55.56	247 TWO PETAZ, INC.	10
W236AE	TERRE HAUTE	IN	236 : 95.1 MHz	2nd Adj	DX	N39:28:21	W087:24:20	LIC 0.04	54	52.18	069 THE TRUSTEES OF INDIANA UNIVE	0
W234CE	SHELBYVILLE	IL	234 : 94.7 MHz	Co-Chan	DX	N39:24:06	W088:48:06	LIC 0.02	0	72.44	279 KASKASKIA BROADCASTING INC.	0
WCZQ	MONTICELLO	IL	288 : 105.5 MHz	IF	A	N40:02:53	W088:34:24	LIC 6.00	100	97.46	328 NEUHOFF MEDIA DECATUR, LLC	10
WILZT	WORTHINGTON	IN	231 : 94.1 MHz	3rd Adj	A	N39:07:08	W086:58:37	LIC 0.10	2	88.27	103 SUPER WAVES, LLC	0
WLRW	CHAMPAIGN	IL	233 : 94.5 MHz	1st Adj	B	N40:07:35	W088:17:25	LIC 50.00	138	95.34	343 SAGA COMMUNICATIONS OF ILLIN	0
WREB	GREENCASTLE	IN	232 : 94.3 MHz	2nd Adj	A	N39:39:38	W086:53:34	LIC 3.00	49	100.86	067 THE ORIGINAL COMPANY, INC	0
WYNG	MOUNT CARMEL	IL	235 : 94.9 MHz	1st Adj	B	N38:23:57	W087:47:18	LIC 50.00	128	101.67	171 EDUCATIONAL MEDIA FOUNDATION	0
WDZQ	DECATUR	IL	236 : 95.1 MHz	2nd Adj	B	N39:37:40	W089:04:51	LIC 50.00	150	102.08	291 NEUHOFF MEDIA DECATUR, LLC	0
WJEK	RANTOUL	IL	237 : 95.3 MHz	3rd Adj	A	N40:13:05	W088:06:55	LIC 1.90	126	102.25	353 S.J. BROADCASTING, LLC	0
WILZT	WORTHINGTON	IN	231 : 94.1 MHz	3rd Adj	A	N39:02:20	W086:50:08	CP 6.00	100	102.42	107 SUPER WAVES, LLC	0
W234CI	DECATUR	IL	234 : 94.7 MHz	Co-Chan	DX	N39:47:11	W088:59:29	CP M 0.00	0	102.80	301 THE CROMWELL GROUP, INC. OF IL	0
WRHK	DANVILLE	IL	235 : 94.9 MHz	1st Adj	A	N40:10:40	W087:28:55	LIC 6.00	100	105.70	023 NEUHOFF MEDIA DANVILLE, LLC	0
WMKR	PANA	IL	232 : 94.3 MHz	2nd Adj	A	N39:27:08	W089:17:10	LIC 5.60	104	114.53	278 MILLER COMMUNICATIONS, INC.	0
WRZR	LOOGOOTEE	IN	233 : 94.5 MHz	1st Adj	A	N38:37:09	W086:58:27	LIC 1.80	130	115.06	131 HEMBREE COMMUNICATIONS, INC.	0
WWPO-LP	OAKLAND CITY	IN	231 : 94.1 MHz	3rd Adj	L1	N38:20:20	W087:21:07	LIC 0.00	31	119.85	153 OAKLAND CITY UNIVERSITY	0
W288CO	CENTRALIA	IL	288 : 105.5 MHz	IF	DX	N38:32:45	W089:07:47	LIC 0.08	33	131.08	230 REAL LIFE RADIO FOUNDATION, IN	0
WRXX	EVANSVILLE	IN	237 : 95.3 MHz	3rd Adj	B	N38:33:46	W088:59:58	LIC 5.50	100	121.34	227 WRXX, LLC	0
WJLT	EVANSVILLE	IN	287 : 105.3 MHz	IF	B	N38:04:45	W087:36:36	LIC 50.00	150	139.52	167 TOWNSQUARE MEDIA OF EVANSVI	15
WQRK	BEDFORD	IN	288 : 105.5 MHz	IF	A	N38:54:29	W086:28:28	LIC 2.00	122	136.69	109 AD-VENTURE MEDIA, INC.	10
W231BT	MARTINSVILLE	IN	231 : 94.1 MHz	3rd Adj	DX	N39:26:18	W086:27:58	LIC 0.22	88	130.53	083 MID-AMERICA RADIO GROUP, INC.	0
WMIX-FM	MOUNT VERNO	IL	231 : 94.1 MHz	3rd Adj	B	N38:22:15	W088:55:20	LIC 50.00	168	132.48	219 WITHERS BROADCASTING COMPA	0
WVNI	NASHVILLE	IN	236 : 95.1 MHz	2nd Adj	A	N39:13:52	W086:22:40	LIC 3.80	105	137.72	083 BROWN COUNTY BROADCASTERS,	0
W287BP	LINCOLN	IL	287 : 105.3 MHz	IF	DX	N40:08:30	W089:23:07	LIC 0.10	60	152.85	307 CORNERSTONE COMMUNITY RADI	0
W287CK	SPRINGFIELD	IL	287 : 105.3 MHz	IF	DX	N39:48:18	W089:39:43	CP 0.25	27	155.64	291 CORNERSTONE COMMUNITY RADI	0
WAOX	STAUNTON	IL	287 : 105.3 MHz	IF	A	N39:02:37	W089:44:56	LIC 6.00	87	156.35	259 TALLEY BROADCASTING CORPORA	10



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Exhibit 12B-Contour Spacing Study

Contour Analysis

FET Engineering
Job: W234CK.fmj
Master Database: 2016_Apr_27.fmd
Lat: N39:18:14 Lon: W087:58:15 NAD-27
Scale: 1:1000000
Channel: 234 Class: DX
Status: Licensed, Construction Permit, Application, Addition
Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF, TV6
Range: 150 km, Clearance: FCC
Comments: No Comments
Description: Minor Modification of 20150303AAX

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Key:

City Grade
Protected
Co-Channel
1st Adj
2nd/3rd Adj

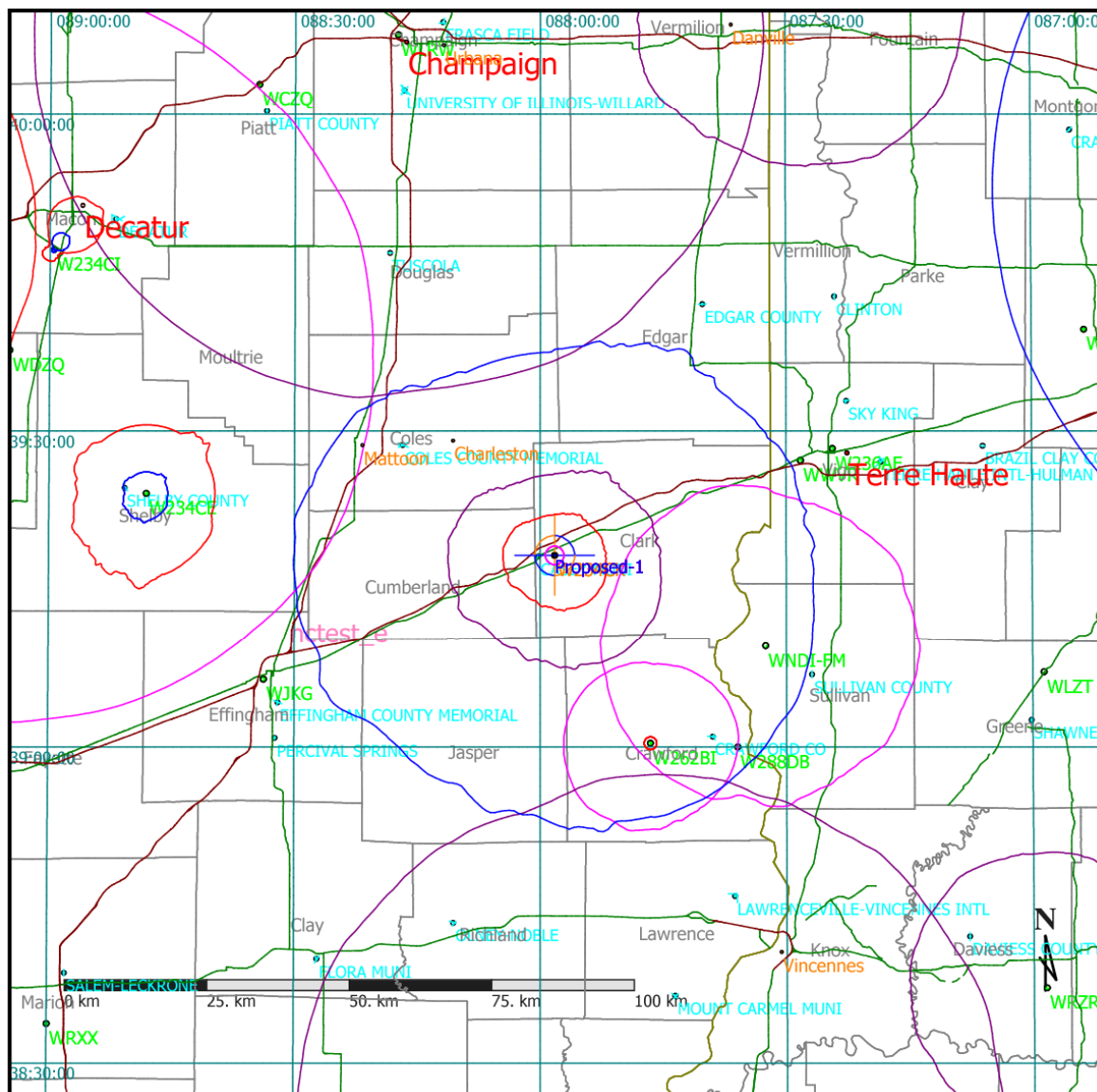


Exhibit 12C-HAAT Radial Study

12 Radial Average Terrain Report

FET Engineering

Job: W234CK.fmj:*Prop-1
N39:18:14 W087:58:15 NAD-27
Channel: 234 Class: DX
Description: Minor Modification of 20150303AAX

Site Elevation: 192.0 meters AMSL Rad Center: 231.4 meters AMSL

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USGS 3-Sec DEM(DMA)

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)	30.8	(101)	194.0	(636)	208.0	(682)
030	191.2	(627)	40.2	(132)	183.0	(600)	200.0	(656)
060	189.1	(620)	42.3	(139)	181.8	(596)	204.1	(669)
090	184.9	(607)	46.5	(152)	168.0	(551)	196.0	(643)
120	175.1	(575)	56.2	(184)	164.1	(539)	183.0	(600)
150	173.4	(569)	58.0	(190)	160.7	(527)	187.0	(614)
180	180.2	(591)	51.2	(168)	162.6	(534)	192.0	(630)
210	185.9	(610)	45.5	(149)	171.2	(562)	196.0	(643)
240	181.0	(594)	50.3	(165)	168.0	(551)	198.0	(650)
270	183.4	(602)	47.9	(157)	163.0	(535)	198.0	(650)
300	188.4	(618)	43.0	(141)	183.0	(600)	203.8	(669)
330	199.9	(656)	31.5	(103)	192.0	(630)	228.0	(748)

Average of -N- Radials

8 Radials	187.0	(613)	44.4	(146)
12 Radials	192.0	(630)	39.4	(129)
72 Radials	189.4	(622)	41.9	(138)
360 Radials	187.3	(615)	44.0	(144)