

FM Study for: WSW5	FCC Database Date: 3/4/2011	38-56-35
Location: SMITHBORO, IL	Channel Class: A	89-06-13

Contours calculated on direct line using 73.509(a)

[\*] by Distance indicates directional antenna used in calculation.

[\*] by HAAT indicates calculated as missing in database.

Call	City, State	Chan	Class	Freq	kW	Latitude	Dist.
Status	Proponent	File	Number	HAAT		Longitude	Azm.

>>>>>> Study For Channel 210 89.9 mHz <<<<<<<

WEFI	EFFINGHAM, IL	208 A	89.5	.400	39-08-30	52.0	
LIC	Fac. No. 91350	BLED-20060530	ADS	50	88-33-36	64.7	CLEAR
WEFI	F(50,10)	100 dBu =	1 km, WSWS	F(50,50)	60 dBu =	22 KM	+29 km
WSWS	F(50,10)	100 dBu =	2 km, WEFI	F(50,50)	60 dBu =	10 KM	+40 km
WGRN	GREENVILLE, IL	208 A	89.5	.300	38-53-43	27.0	
LIC	Fac. No. 25233	BLED-19821122	AJ	62	89-24-30	258.7	CLEAR
WGRN	F(50,10)	100 dBu =	1 km, WSWS	F(50,50)	60 dBu =	21 KM	+5 km
WSWS	F(50,10)	100 dBu =	2 km, WGRN	F(50,50)	60 dBu =	11 KM	+14 km
WCBWFM	EAST ST. LOUIS, IL	209 A	89.7	.250+	38-37-53	101.6	
LIC	Fac. No. 83448	BLED-20010827	AAM	57	90-12-09	250.4	CLEAR
WCBWFM	F(50,10)	54 dBu =	16 km, WSWS	F(50,50)	60 dBu =	19 KM	+67 km
WSWS	F(50,10)	54 dBu =	34 km, WCBWFM	F(50,50)	60 dBu =	11 KM	+56 km
WLUJ	SPRINGFIELD, IL	209 B1	89.7	20.0+	39-48-30	106.1	
LIC	Fac. No. 13576	BLED-20010828	AAQ	100	89-37-30	335.1	CLEAR
WLUJ	F(50,10)	54 dBu =	58 km, WSWS	F(50,50)	60 dBu =	22 KM	+26 km
WSWS	F(50,10)	54 dBu =	33 km, WLUJ	F(50,50)	60 dBu =	38 KM	+37 km
WISU	TERRE HAUTE, IN	209 B	89.7	13.5	39-30-26	149.6	
LIC	Fac. No. 28603	BLED-19891011	KC	156	87-31-50	64.8	CLEAR
WISU	F(50,10)	54 dBu =	61 km, WSWS	F(50,50)	60 dBu =	22 KM	+67 km
WSWS	F(50,10)	54 dBu =	33 km, WISU	F(50,50)	60 dBu =	41 KM	+76 km
WBMV	MOUNT VERNON, IL	209 B1	89.7	10.5	38-22-15	65.5	
LIC	Fac. No. 28302	BLED-20050719	AHR	150	88-55-20	166.0	CLEAR
WBMV	F(50,10)	54 dBu =	55 km, WSWS	F(50,50)	60 dBu =	10 KM	+1 km
WSWS	F(50,10)	54 dBu =	14 km, WBMV	F(50,50)	60 dBu =	36 KM	+16 km
WATI	VINCENNES, IN	210 A	89.9	.500	38-41-47	147.0	
LIC	Fac. No. 76926	BLED-20001024	ABK	48	87-26-27	100.2	CLEAR
WATI	F(50,10)	40 dBu =	42 km, WSWS	F(50,50)	60 dBu =	17 KM	+88 km
WSWS	F(50,10)	40 dBu =	56 km, WATI	F(50,50)	60 dBu =	12 KM	+79 km

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KGNAFM	ARNOLD, MO	210 A	89.9	.150+		38-26-14	125.2
LIC	Fac. No. 2842	BLED-20020805AAA	40			90-23-24	243.8 CLEAR
KGNAFM	F(50,10)	40 dBu =	17 km,	WWSW	F(50,50)	60 dBu =	18 KM +90 km
WWSW	F(50,10)	40 dBu =	57 km,	KGNAFM	F(50,50)	60 dBu =	5 KM +63 km
WLKL	MATTOON, IL	210 A	89.9	1.30		39-25-07	81.7
LIC	Fac. No. 12868	BLED-19810914AF	62			88-22-55	49.5 CLEAR
WLKL	F(50,10)	40 dBu =	58 km,	WWSW	F(50,50)	60 dBu =	20 KM +4 km
WWSW	F(50,10)	40 dBu =	63 km,	WLKL	F(50,50)	60 dBu =	17 KM +2 km
WLCA	GODFREY, IL	210 A	89.9	1.50+		38-56-57	94.7
LIC	Fac. No. 37167	BLED-20050622AAA	120			90-11-47	270.8 CLEAR
WLCA	F(50,10)	40 dBu =	59 km,	WWSW	F(50,50)	60 dBu =	23 KM +12 km
WWSW	F(50,10)	40 dBu =	71 km,	WLCA	F(50,50)	60 dBu =	19 KM +4 km
WCBU	PEORIA, IL	210 B	89.9	26.5		40-37-44	191.4
LIC	Fac. No. 6610	BLED-20051201AKD	197			89-34-12	348.1 CLEAR
WCBU	F(50,10)	40 dBu =	127 km,	WWSW	F(50,50)	60 dBu =	22 KM +43 km
WWSW	F(50,10)	40 dBu =	70 km,	WCBU	F(50,50)	60 dBu =	49 KM +72 km
WTSG	CARLINVILLE, IL	211 A	90.1	5.00		39-20-58	75.5
LIC	Fac. No. 28303	BLED-20010302AAX	90			89-48-16	306.9 CLEAR
WTSG	F(50,10)	54 dBu =	40 km,	WWSW	F(50,50)	60 dBu =	22 KM +13 km
WWSW	F(50,10)	54 dBu =	33 km,	WTSG	F(50,50)	60 dBu =	26 KM +16 km
WUSI	OLNEY, IL	212 B	90.3	25.0		38-50-18	85.3
LIC	Fac. No. 6108	BLED-19921113KD	144			88-07-46	97.5 CLEAR
WUSI	F(50,10)	100 dBu =	5 km,	WWSW	F(50,50)	60 dBu =	17 KM +63 km
WWSW	F(50,10)	100 dBu =	2 km,	WUSI	F(50,50)	60 dBu =	45 KM +38 km