

FM Translator Spacing Study

Channel 244 (96.7 MHz) at 38°28'56" N - 90°23'53" W

<u>CALL</u>	<u>CITY</u>	<u>ST</u>	<u>CHN</u>	<u>CL</u>	<u>DIST</u>	<u>REQ</u>	<u>BRNG</u>	<u>CLEARANCE</u>
KNOU	ST. LOUIS	MO	242	C1	12.03	0.00	31.7	-38.54 dB ¹
KFTK-FM	FLORISSANT	MO	246	C1	43.76	0.00	319.1	-9.66 dB ¹
KCMQ	COLUMBIA	MO	244	C1	149.72	0.00	279.5	5.34 dB
WCXO	CARLYLE	IL	244	A	90.64	0.00	78.5	9.75 dB
K297BI	ST. LOUIS	MO	297	D	15.50	0.00	20.4	15.5
WCVS-FM	VIRDEN	IL	244	A	137.49	0.00	21.3	15.23 dB
KNOU	ST. LOUIS	MO	242	C1	15.50	0.00	20.4	15.80 dB
WCXO	CARLYLE	IL	244	A	90.99	0.00	84.9	19.13 dB
WCVS-FM	VIRDEN	IL	244	A	135.52	0.00	28.0	20.37 dB
KCMQ	COLUMBIA	MO	244	C3	171.24	0.00	288.5	21.54 dB
KCMQ	COLUMBIA	MO	244	C1	171.25	0.00	288.5	23.86 dB
KCMQ	COLUMBIA	MO	244	C1	150.68	0.00	276.7	23.47 dB
KCMQ	COLUMBIA	MO	244	C3	171.24	0.00	288.5	23.37 dB
KAHR	POPLAR BLUFF	MO	244	A	190.58	0.00	182.2	25.57 dB
WKIB	ANNA	IL	243	C2	146.25	0.00	148.1	27.54 dB
WLBH-FM	MATTOON	IL	245	B	209.90	0.00	56.1	30.87 dB
W228DC	SPARTA	IL	247	D	71.10	0.00	123.8	30.92 dB
KAHR	POPLAR BLUFF	MO	244	A	190.58	0.00	182.2	30.46 dB
WGNX	COLCHESTER	IL	244	A	214.66	0.00	352.4	31.08 dB
WRUL	CARMI	IL	247	B	197.23	0.00	102.4	34.52 dB
KSOZ-LP	SALEM	MO	243	LP100	137.86	13.00	227.3	34.25 dB
WGNX*	COLCHESTER	IL	244	A	213.77	0.00	347.9	34.79 dB
WIHN	NORMAL	IL	244	A	250.56	0.00	27.4	35.54 dB
KFTK-FM	FLORISSANT	MO	246	C1	43.76	0.00	319.1	35.19 dB
WDDJ	PADUCAH	KY	245	C1	223.62	0.00	134.9	35.68 dB
W243DN	TAYLORVILLE	IL	243	D	144.51	0.00	41.4	36.42 dB
KUPH	MOUNTAIN VIEW	MO	245	C2	206.24	0.00	217.0	37.69 dB
WKIB	ANNA	IL	243	C2	144.98	0.00	148.1	37.71 dB
KHBL-LP	HANNIBAL	MO	245	LP100	158.54	13.00	328.8	37.17 dB
W243AV	MOUNT VERNON	IL	243	D	129.47	0.00	95.0	38.48 dB

¹ Fully protected second adjacent channel station. See Exhibit 13.