

WCME_night_limits2.txt

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WCME, Brunswick, ME -- Facility ID 56570

December 2011 Application for Minor Change Construction Permit

Exhibit 17A -- Nighttime Skywave Study

Transmitter site coordinates: N 43 54 41.70 W 70 1 29.80

Frequency: 900 kHz

Point		Distance (km)	Bearing (degs)	Theta Min. (degs)	Theta Max. (degs)	RSS Limit (mV/m)	Reqd. Prot. (mV/m)	Skywv. Mult. (uV/m)	Allowed Radiation (mV/m @ 1 km)
WFAB	*	2886.5	170.6	0.0	0.0	15.32	38.30	7.07	27073.1
KTXV	*	2596.5	249.0	0.0	0.0	16.59	41.47	6.16	33640.1
NONE	*	944.0	218.9	6.5	12.1	20.39	50.97	40.12	6351.2
KJME	*	2930.8	270.2	0.0	0.0	13.99	34.98	3.47	50417.9
WLS	*	1475.9	266.0	2.2	5.9	3.53	8.82	27.61	1597.3
WAMG	*	217.2	212.1	33.0	47.2	14.91	37.27	259.44	718.3
NEW	*	260.2	56.2	28.4	42.0	23.05	56.89	212.11	1341.0
HIBN		2683.3	181.5	0.0	0.0	19.07	9.54	1.88	25425.2
CMKB		2641.9	194.7	0.0	0.0	1.67	0.42	1.95	1068.0
WGOK		2158.9	233.2	0.0	1.4	10.30	2.50	8.45	1479.9
WNMB		1351.2	216.9	3.0	7.0	18.32	4.58	29.85	767.2
WJTH		1652.7	235.6	1.3	4.5	14.21	3.55	17.40	1020.8
WAYN		1300.0	223.1	3.4	7.5	17.50	4.33	32.77	660.1
WYCV		1325.0	230.9	3.2	7.2	16.51	4.04	31.23	646.9
WIAM		1076.3	216.1	5.2	10.1	20.49	5.12	47.74	536.6
WKXV		1477.8	238.1	2.2	5.8	14.99	3.75	23.43	799.9
WJWL		732.3	219.7	9.5	16.4	33.95	8.49	79.83	531.6
WILC		780.7	228.9	8.7	15.3	23.09	5.77	74.55	387.2
WCPA		760.4	248.1	9.0	15.7	20.12	5.03	76.58	328.5
CHML		814.6	269.0	11.4	11.4	19.19	9.60	84.81	565.7
CHML		782.3	267.4	12.0	12.0	53.42	26.71	88.50	1509.0
KTIS		1819.8	281.8	0.4	3.4	35.00	8.75	10.59	4131.7
CKDH		505.7	62.8	19.6	19.6	20.80	10.40	123.88	419.7
CKTS		231.4	318.0	39.1	39.1	4.25	2.05	207.60	49.4
CJER		380.5	305.2	25.9	25.9	5.75	2.87	148.17	97.0
CJER		380.5	305.2	25.9	25.9	5.75	2.87	148.17	97.0
NEW900		231.4	318.0	39.1	39.1	4.25	2.05	207.60	49.4
CHYC		902.1	291.9	10.0	10.0	7.78	3.89	74.83	259.8
CJBR		515.9	11.9	19.2	19.2	4.15	2.06	122.39	84.0
CKVD		752.4	310.7	12.6	12.6	22.33	11.17	92.17	605.7
NEW		1844.4	298.8	1.8	1.8	13.70	6.85	13.50	2536.8
CKBI		2788.1	304.2	0.0	0.0	3.29	0.82	4.30	956.5
WPRP	*	2899.3	172.6	0.0	0.0	10.00	24.99	4.41	28350.5
WTWD	*	2077.1	215.6	0.0	1.9	52.78	131.95	9.48	69558.6
WUBR	*	2372.5	238.4	0.0	0.4	22.17	55.42	6.67	41531.3
WRFV	*	1862.0	223.3	0.2	3.1	35.80	89.51	12.64	35406.4
WALT	*	2064.6	238.0	0.0	1.9	20.55	51.37	9.48	27094.5
WTMZ	*	1500.4	218.5	2.1	5.7	38.04	95.10	22.53	21107.0
KATH	*	2605.2	252.0	0.0	0.0	9.37	23.43	5.16	22702.1
WSRP	*	1198.4	214.8	4.1	8.6	28.69	71.72	39.26	9132.9
WOLI	*	1424.0	230.1	2.6	6.3	21.03	51.65	26.04	9918.8
KVIS	*	2226.5	258.0	0.0	1.1	9.62	24.05	7.32	16419.8
WJCW	*	1343.1	235.9	3.1	7.1	13.38	33.45	30.28	5522.3
WRNL	*	941.6	224.5	6.6	12.1	10.39	25.38	58.73	2160.6
KPOF	*	2910.8	273.3	0.0	0.0	3.65	9.11	3.17	14373.5
WSBA	*	705.3	234.2	9.9	17.1	9.28	23.21	82.97	1398.6
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WLAT	*	333.5	223.9	22.6	34.9	14.57	36.42	146.62	1242.0

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WBZU	*	538.5	240.8	13.7	22.7	18.70	46.75	2210.9
WRKL	*	448.0	228.7	16.8	27.1	18.54	45.05	1860.9
WSUI	*	1769.3	268.8	0.7	3.7	6.68	16.69	6264.9
WFDF	*	1105.2	263.9	4.9	9.7	10.19	25.26	2766.4
WAEI	*	140.1	46.0	45.4	59.3	8.54	21.35	494.3
KJJQ	*	2141.6	280.4	0.0	1.5	17.17	42.92	35317.5
KCJB	*	2445.5	292.3	0.0	0.1	11.21	28.03	43779.8
KCJB	*	2441.4	292.3	0.0	0.1	11.28	28.20	43819.2

* - indicates an adjacent channel station.