

Night Allocation Protection Report

Call: KWYO Proposed

Freq: 1410 kHz

SHERIDAN, WY, US

Lat: 44-47-54 N

Lng: 106-55-51 W

Power: 0.44 kW

Theo RMS: 328.51 mV/m @ 1km

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	123.9	0	0	0.0	0.0	0.0	0.0

Call Letters	Ct St City	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
KIIX	US CO FORT COLLINS	113.05	4.24	187.60	203.12	-15.53
50% = 8.3, 25% = 10.018; KOOQ=4.87 WIZM=4.79 KWYO=4.71 KRIL=4.05 WING=2.90 KKLO=2.57						

NEW	US MT BOZMAN	173.27	6.02	173.65	187.16	-13.52
50% = 7.581, 25% = 8.166; KWYO=6.69 KIIX=3.57 CFUN/ =2.18 WIZM=2.11						

CFUN/ (0)	CA BC Vancouver	11.99	0.50	218.77E	217.78	0.99
CFUN/ (5)	CA BC Vancouver	13.46	0.50	218.72E	217.69	1.02
CFUN/ (10)	CA BC Vancouver	15.30	0.50	218.61E	217.59	1.03
CFUN/ (15)	CA BC Vancouver	17.71	0.50	218.51E	217.46	1.05
CFUN/ (20)	CA BC Vancouver	20.95	0.50	218.35E	217.27	1.09
CFUN/ (25)	CA BC Vancouver	25.02	0.50	218.14E	217.00	1.14
CFUN/ (30)	CA BC Vancouver	29.66	0.50	217.88E	216.68	1.20
CFUN/ (35)	CA BC Vancouver	35.23	0.50	217.53E	216.25	1.28
CFUN/ (40)	CA BC Vancouver	41.66	0.50	217.07E	215.68	1.39
CFUN/ (45)	CA BC Vancouver	48.62	0.50	216.47E	214.95	1.53
CFUN/ (50)	CA BC Vancouver	56.29	0.50	215.79E	214.11	1.68
CFUN/ (55)	CA BC Vancouver	63.21	0.50	215.11E	213.16	1.95
CFUN/ (60)	CA BC Vancouver	68.94	0.50	214.37E	212.36	2.01
CFUN/ (65)	CA BC Vancouver	71.74	0.50	214.07E	211.88	2.20
CFUN/ (70)	CA BC Vancouver	69.24	0.50	214.37E	212.36	2.01
CFUN/ (75)	CA BC Vancouver	41.57	0.50	217.07E	215.68	1.39
CFUN/ (80)	CA BC Vancouver	41.63	0.50	217.07E	215.68	1.39
CFUN/ (85)	CA BC Vancouver	41.78	0.50	217.07E	215.68	1.39
CFUN/ (90)	CA BC Vancouver	41.48	0.50	217.07E	215.68	1.39
CFUN/ (95)	CA BC Vancouver	41.07	0.50	217.13E	215.68	1.45
CFUN/ (100)	CA BC Vancouver	40.68	0.50	217.13E	215.76	1.37
CFUN/ (105)	CA BC Vancouver	40.47	0.50	217.13E	215.76	1.37
CFUN/ (110)	CA BC Vancouver	40.54	0.51	217.13E	215.76	1.37
CFUN/ (115)	CA BC Vancouver	40.01	1.08	217.19E	215.83	1.36
CFUN/ (120)	CA BC Vancouver	39.64	2.06	260.45g	215.83	44.61
CFUN/ (125)	CA BC Vancouver	39.37	3.61	458.34g	215.83	242.51
CFUN/ (130)	CA BC Vancouver	39.16	7.58	967.32g	215.91	751.42

CFUN/	(135)	CA BC Vancouver	38.98	14.01	1797.32g	215.91	1581.41
CFUN/	(140)	CA BC Vancouver	38.84	17.42	2242.93g	215.91	2027.02
CFUN/	(145)	CA BC Vancouver	38.71	17.94	2317.64g	215.91	2101.73
CFUN/	(150)	CA BC Vancouver	38.60	17.47	2263.41g	215.91	2047.50
CFUN/	(155)	CA BC Vancouver	38.50	16.04	2083.57g	215.91	1867.66
CFUN/	(160)	CA BC Vancouver	38.40	13.96	1817.93g	215.98	1601.96
CFUN/	(165)	CA BC Vancouver	38.31	12.04	1571.48g	215.98	1355.50
CFUN/	(170)	CA BC Vancouver	38.23	11.88	1553.30g	215.98	1337.32
CFUN/	(175)	CA BC Vancouver	38.14	14.64	1918.98g	215.98	1703.00
CFUN/	(180)	CA BC Vancouver	38.53	8.41	1092.01g	215.91	876.10
CFUN/	(185)	CA BC Vancouver	38.66	1.06	217.25E	215.91	1.34
CFUN/	(190)	CA BC Vancouver	38.20	2.06	269.87g	215.98	53.90
CFUN/	(195)	CA BC Vancouver	37.61	2.38	315.93g	216.05	99.88
CFUN/	(200)	CA BC Vancouver	36.95	3.01	407.32g	216.05	191.27
CFUN/	(205)	CA BC Vancouver	36.29	0.59	217.42E	216.12	1.30
CFUN/	(210)	CA BC Vancouver	35.64	0.55	217.48E	216.19	1.29
CFUN/	(215)	CA BC Vancouver	34.97	0.61	217.53E	216.25	1.28
CFUN/	(220)	CA BC Vancouver	34.27	0.50	217.58E	216.32	1.27
CFUN/	(225)	CA BC Vancouver	33.58	0.50	217.64E	216.38	1.25
CFUN/	(230)	CA BC Vancouver	32.87	0.50	217.69E	216.38	1.30
CFUN/	(235)	CA BC Vancouver	32.10	0.50	217.74E	216.44	1.29
CFUN/	(240)	CA BC Vancouver	31.26	0.50	217.79E	216.57	1.22
CFUN/	(245)	CA BC Vancouver	30.26	0.50	217.83E	216.62	1.21
CFUN/	(250)	CA BC Vancouver	29.24	0.50	217.88E	216.68	1.20
CFUN/	(255)	CA BC Vancouver	28.22	0.58	217.97E	216.79	1.18
CFUN/	(260)	CA BC Vancouver	27.12	0.68	218.01E	216.85	1.17
CFUN/	(265)	CA BC Vancouver	25.89	0.79	218.10E	216.95	1.15
CFUN/	(270)	CA BC Vancouver	24.52	0.90	218.18E	217.05	1.13
CFUN/	(275)	CA BC Vancouver	23.42	0.98	218.21E	217.09	1.12
CFUN/	(280)	CA BC Vancouver	22.15	1.05	237.87s	217.18	20.69
CFUN/	(285)	CA BC Vancouver	19.62	1.16	295.65s	217.35	78.30
CFUN/	(290)	CA BC Vancouver	17.71	1.19	336.31s	217.46	118.85
CFUN/	(295)	CA BC Vancouver	16.32	1.18	361.75s	217.52	144.22
CFUN/	(300)	CA BC Vancouver	16.14	1.17	363.70s	217.56	146.14
CFUN/	(305)	CA BC Vancouver	9.79	0.84	430.39s	217.87	212.52
CFUN/	(310)	CA BC Vancouver	8.55	0.70	411.29s	217.90	193.39
CFUN/	(315)	CA BC Vancouver	8.61	0.68	397.40s	217.90	179.50
CFUN/	(320)	CA BC Vancouver	9.52	0.75	392.00s	217.88	174.12
CFUN/	(325)	CA BC Vancouver	10.33	0.78	379.56s	217.85	161.70
CFUN/	(330)	CA BC Vancouver	7.73	0.50	323.52S	217.91	105.62
CFUN/	(335)	CA BC Vancouver	8.15	0.50	306.90S	217.91	88.99
CFUN/	(340)	CA BC Vancouver	8.62	0.50	289.87S	217.90	71.97
CFUN/	(345)	CA BC Vancouver	9.19	0.50	271.99S	217.89	54.10
CFUN/	(350)	CA BC Vancouver	9.90	0.50	252.62S	217.86	34.76
CFUN/	(355)	CA BC Vancouver	10.78	0.50	231.83S	217.83	14.00
KHOL		US ND BEULAH	102.98	4.24	205.63	202.75	2.89

50% = 9.241, 25% = 10.669; WIZM=5.69 KRWB=5.30 KIIIX=4.98 KWYO=4.24 KOOQ=3.24

KERN	US CA BAKERSFIELD	21.62	0.97	224.77	217.56	7.21
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50% = 2.609, 25% = 3.888; KKJL=1.39 KUNX=1.29 KVBL=1.29 WIZM=1.25 CFUN/ =1.24
WING=1.14 KESQ=1.11 KRIL=1.11 KSHP=1.03 XEBS/A=0.98 KMYR=0.98

KOOQ	US NE NORTH PLATTE	74.98	3.52	234.59	209.74	24.85
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50% = 10.846, 25% = 14.071; WIZM=9.00 KMYR=6.05 KKLO=4.92 KIIIX=4.77 WING=4.32

KRIL=3.85

WIZM US WI LA CROSSE 21.12 1.05 249.46 217.00 32.46
50% = 3.546, 25% = 4.214; WOC=2.02 WING=1.73 WPOP=1.68 KTOE=1.63 KRIL=1.61
WBIZ=1.21 KHOL=1.06