

Critical Hours Radiation Report

Call: NEW
 Freq: 1550 kHz
 GOLDEN, CO, US
 Hours: D
 Lat: 39-43-46 N
 Lng: 105-14-09 W
 Power: 5.0 kW
 Theo RMS: 303.16 mV/m @ 1km @ 1kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	-999.0	0	1	59.0	30.0	0.0	0.0

Interpolation factors for 1550 kHz:

K(500) = 0.000
 K(1000) = 0.083
 K(1600) = 0.917

 Call: CBE
 Freq: 1550 kHz
 WINDSOR, ON, CA
 Hours: U
 Lat: 42-12-56 N
 Lng: 082-55-15 W
 Power: 10.0 kW
 Theo RMS: 1198.96 mV/m @ 1km @ 10.0 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	179.0	0	0	0.0	0.0	0.0	0.0
2	0.750	270.0	90.0	40.0	179.0	0	0	0.0	0.0	0.0	0.0

Permissible radiation calculated using US/CA agreement formula.

Class A Azimuth (deg)	Reference Azimuth (deg)	Distance to 0.1 mV (km)/(mi)	Max Vert Angle (deg)	Max Rad Below Ang (mV/m@1km)	Permiss Radiation (mV/m@1km)	Margin (mV/m@1km)	
14.27	69.00	1949.2 /	1211.2	1.2	677.88	1464.3	786.4 Clipped a
13.38	70.00	1934.8 /	1202.2	1.3	677.88	1451.3	773.4 Clipped a
12.52	71.00	1922.3 /	1194.4	1.4	677.88	1440.0	762.2 Clipped a
11.70	72.00	1911.6 /	1187.8	1.4	677.88	1430.4	752.5 Clipped a
10.90	73.00	1902.6 /	1182.2	1.5	677.88	1422.3	744.4 Clipped a
319.36	74.00	1882.9 /	1170.0	1.6	677.88	1404.6	726.7 Clipped a
221.91	75.00	1874.3 /	1164.6	1.6	677.88	1396.9	719.0 Clipped a
170.02	76.00	1902.2 /	1182.0	1.5	677.88	1422.0	744.1 Clipped a

Class A Azimuth (deg)	Reference Azimuth (deg)	Distance to 0.1 mV (km)/ (mi)	K(1000) Value (mV/m@1km)	K(1600) Value (mV/m@1km)	Permiss Radiation (mV/m@1km)		
14.27	69.00	1949.2 / 1211.2	1.46730859	0.00	1464.3	Clipped at 0.18	m
13.38	70.00	1934.8 / 1202.2	1.46730859	0.00	1451.3	Clipped at 0.37	m
12.52	71.00	1922.3 / 1194.4	1.46730859	0.00	1440.0	Clipped at 0.80	m
11.70	72.00	1911.6 / 1187.8	1.46730859	0.00	1430.4	Clipped at 1.95	m
10.90	73.00	1902.6 / 1182.2	1.46730859	0.00	1422.3	Clipped at 7.08	m
319.36	74.00	1882.9 / 1170.0	1.46730859	0.00	1404.6	Clipped at 40.80	
221.91	75.00	1874.3 / 1164.6	1.46730859	0.00	1396.9	Clipped at 2.62	m
170.02	76.00	1902.2 / 1182.0	1.46730859	0.00	1422.0	Clipped at 1.09	m