

# Critical Hours Radiation Report

Call: KDCO  
 Freq: 1550 kHz  
 GOLDEN, CO, US  
 Hours: D  
 Lat: 39-53-31 N  
 Lng: 105-14-20 W  
 Power: 0.99 kW  
 Theo RMS: 302.50 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	85.0	0	0	0.0	0.0	0.0	0.0

Interpolation factors for 1550 kHz:

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

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 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)	
14.71	69.00	1950.6 / 1212.1	1.2	300.99	1465.5	1164.6	Clipped a
13.78	70.00	1935.5 / 1202.7	1.3	300.99	1451.9	1150.9	Clipped a
12.88	71.00	1922.4 / 1194.5	1.4	300.99	1440.1	1139.1	Clipped a
11.98	72.00	1911.1 / 1187.5	1.4	300.99	1430.0	1129.0	Clipped a
11.24	73.00	1901.7 / 1181.7	1.5	300.99	1421.6	1120.6	Clipped a
10.61	74.00	1894.0 / 1176.9	1.5	300.99	1414.6	1113.6	Clipped a
257.67	75.00	1870.9 / 1162.5	1.6	300.99	1393.8	1092.8	Clipped a
200.29	76.00	1875.2 / 1165.2	1.6	300.99	1397.7	1096.7	Clipped a

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Call: XERUV
Freq: 1550 kHz
ACAJETE, VC, MX
Hours: N
Lat: 19-35-07 N
Lng: 096-59-57 W
Power: 10.0 kW
Theo RMS: 310.88 mV/m @ 1km @ 1kW

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#	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	97.9	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)	
113.30	155.00	2510.5 / 1559.9	0.0	300.99	1969.4	1668.4	Clipped a
104.56	156.00	2446.9 / 1520.5	0.0	300.99	1912.3	1611.3	Clipped a
10.92	157.00	2292.0 / 1424.2	0.0	300.99	1772.8	1471.8	Clipped a
347.77	158.00	2261.8 / 1405.4	0.0	300.99	1745.6	1444.6	
329.77	159.00	2264.4 / 1407.0	0.0	300.99	1748.0	1447.0	
310.07	160.00	2281.4 / 1417.6	0.0	300.99	1763.3	1462.3	
274.29	161.00	2344.2 / 1456.6	0.0	300.99	1819.8	1518.8	