

AM Directional Pattern

This figure is a polar plot titled "AM Directional Pattern" showing the radiation pattern of an AM station. The plot uses a circular grid with radial lines every 10 degrees and concentric circles representing field strength in mV/m at 1 km. The radial scale ranges from 50 to 500. The angular scale ranges from 0 to 360 degrees. The plot displays four data series: a red solid line for the theoretical pattern (mV/m @ 1km), a blue solid line for the theoretical pattern (mV/m @ 1km), a green solid line for the measured pattern (X10), and a purple dashed line for the theoretical pattern (X10). The pattern shows a main lobe pointing towards 0 degrees (North) and a smaller lobe pointing towards 180 degrees (South). The measured data points are marked with green crosses and labeled with station call signs and their respective field strengths. The legend at the bottom right identifies the four data series. The bottom left corner contains technical specifications: Erss = 206.75 mV/m@1km, Theo RMS: 168.72 mV/m@1km, Std RMS: 177.467 mV/m@1km, and Q: 10.0 mV/m@1km. The title "Standard Horizontal Plane Pattern" is centered at the bottom.

Erss = 206.75 mV/m@1km
Theo RMS: 168.72 mV/m@1km
Std RMS: 177.467 mV/m@1km
Q: 10.0 mV/m@1km

Standard Horizontal Plane Pattern

Legend:

- Pattern (mV/m @ 1km)
- Theo Pattern (mV/m@1km)
- Pattern X10
- Theo Pattern X10

Erss = 206.75 mV/m@1km
 Theo RMS: 168.72 mV/m@1km
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Standard Horizontal Plane Pattern

— Pattern (mV/m @ 1km)
— Theo Pattern (mV/m@1km)
— Pattern X10
--- Theo Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	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
2	0.780	-335.4	200.0	101.9	85.0	1	0	0.0	0.0	0.0	0.0

Call: KDCO
Freq: 1550 kHz
GOLDEN, CO, US
Hours: N
Lat: 39-53-31 N
Lng: 105-14-20 W
Power: 0.35 kW
Theo RMS: 168.72 mV/m@1km
@ 0.35 kW