

From: Roger Barker

To: John Kennedy

Date: March 17, 2006

Subject:

FCC File # 0242-EX-PL-2005

Message:

At 195 MHz the antenna is shorter than 1/2 of a wavelength so the radiation is almost isotropic (no antenna gain). The peak electric field at all angles in azimuth has been measured to be about 4 kV/m at 10 m.

Degrees	Field Value	Degrees	Field Value	Degrees	Field Value	Degrees	Field Value
0	4 kV/m	100	4 kV/m	200	4 kV/m	300	4 kV/m
10	4 kV/m	110	4 kV/m	210	4 kV/m	310	4 kV/m
20	4 kV/m	120	4 kV/m	220	4 kV/m	320	4 kV/m
30	4 kV/m	130	4 kV/m	230	4 kV/m	330	4 kV/m
40	4 kV/m	140	4 kV/m	240	4 kV/m	340	4 kV/m
50	4 kV/m	150	4 kV/m	250	4 kV/m	350	4 kV/m
60	4 kV/m	160	4 kV/m	260	4 kV/m	360	4 kV/m
70	4 kV/m	170	4 kV/m	270	4 kV/m	370	4 kV/m
80	4 kV/m	180	4 kV/m	280	4 kV/m	380	4 kV/m
90	4 kV/m	190	4 kV/m	290	4 kV/m	390	4 kV/m