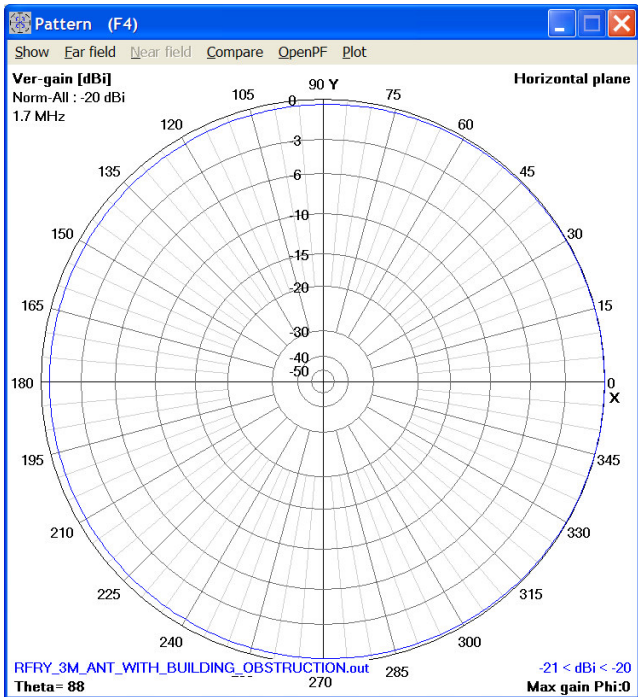
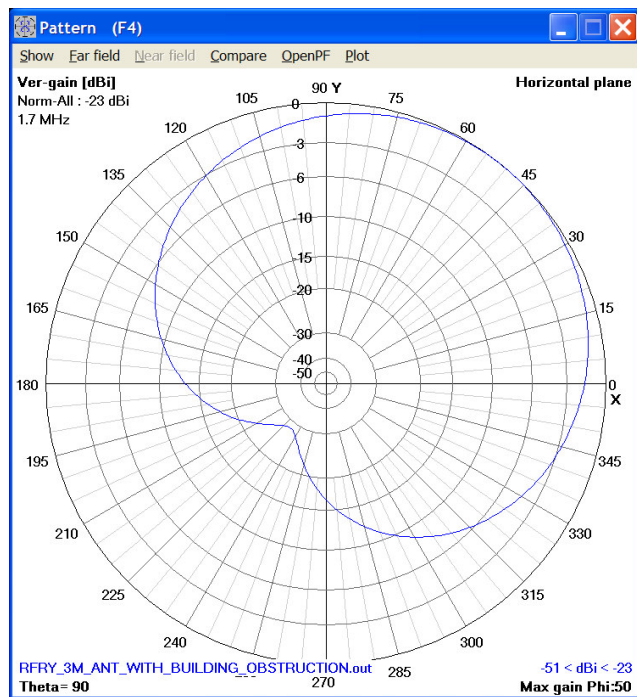


Wire View



Horizontal Plane

All building legs connected to ground through 200 ohms resistance



Horizontal Plane

All building legs connected to ground through 50,000 ohms resistance except wire 10 is connected to ground through 2 ohms resistance

**Re: Affect of Nearby Building on Part 15 AM Antennas**

« Reply #23 on: April 24, 2010, 07:52:52 AM »

NEC-Win Plus INPUT FILE

-----  
C:\Program Files\NEC-Win Plus\RJF Antenna Files\Part 15 AM with Nearby Structure.NWP

```
CM
CE
GW 1 25 0 0 0 0 9.84 0.0053543
GW 2 3 -60 -20 10 -60 20 10 0.0045
GW 3 3 -60 -20 20 -60 20 20 0.0045
GW 4 10 -60 -20 0 -60 -20 20 0.0045
GW 5 10 -60 -6.666667 0 -60 -6.666667 20 0.0045
GW 6 10 -60 6.666667 0 -60 6.666667 20 0.0045
GW 7 10 -60 20 0 -60 20 20 0.0045
GW 8 3 -20 -20 10 -20 20 10 0.0045
GW 9 3 -20 -20 20 -20 20 20 0.0045
GW 10 10 -20 -20 0 -20 -20 20 0.0045
GW 11 10 -20 -6.666667 0 -20 -6.666667 20 0.0045
GW 12 10 -20 6.666667 0 -20 6.666667 20 0.0045
GW 13 10 -20 20 0 -20 20 20 0.0045
GW 14 3 -60 -20 10 -20 -20 10 0.0045
GW 15 3 -60 -20 20 -20 -20 20 0.0045
GW 16 10 -46.666667 -20 0 -46.666667 -20 20 0.0045
GW 17 10 -33.333333 -20 0 -33.333333 -20 20 0.0045
GW 18 3 -60 20 10 -20 20 10 0.0045
GW 19 3 -60 20 20 -20 20 20 0.0045
GW 20 10 -46.666667 20 0 -46.666667 20 20 0.0045
GW 21 10 -33.333333 20 0 -33.333333 20 20 0.0045
GW 22 3 -60 -6.666667 20 -20 -6.666667 20 0.0045
GW 23 3 -60 6.666667 20 -20 6.666667 20 0.0045
GW 24 3 -46.666667 -20 20 -46.666667 20 20 0.0045
GW 25 3 -33.333333 -20 20 -33.333333 20 20 0.0045
GW 30901 1 9901.0000 9901.0000 9901.0000 9901.0001 9901.0001 9901.0001 .00001
GS 0 0 .3048
GE 1
GN 1
EX 0 30901 1 0 0.0 1.0
LD 4 1 1 1 25 0
LD 4 1 3 3 5 0
LD 4 4 1 1 200 0
LD 4 5 1 1 200 0
LD 4 6 1 1 200 0
LD 4 7 1 1 200 0
LD 4 10 1 1 200 0
LD 4 11 1 1 200 0
LD 4 12 1 1 200 0
LD 4 13 1 1 200 0
LD 4 16 1 1 200 0
LD 4 17 1 1 200 0
LD 4 20 1 1 200 0
LD 4 21 1 1 200 0
NT 30901 1 1 2 0 0 0 1 0 0
FR 0 1 0 0 1.7 1
RP 0 1 360 1000 90 0 1 1
RP 0 181 1 1000 -90 0 1 1
EN
```

**Richard Fry's model modified to run on 4nec2 (with building ground changes added)**

```

CM
CE
GW 1 15 0 0 0 0 0 9.84 0.0053543
GW 2 6 -60 -20 10 -60 20 10 0.0045
GW 3 6 -60 -20 20 -60 20 20 0.0045
GW 4 10 -60 -20 0 -60 -20 20 0.0045
GW 5 10 -60 -6.666667 0 -60 -6.666667 20 0.0045
GW 6 10 -60 6.666667 0 -60 6.666667 20 0.0045
GW 7 10 -60 20 0 -60 20 20 0.0045
GW 8 6 -20 -20 10 -20 20 10 0.0045
GW 9 6 -20 -20 20 -20 20 20 0.0045
GW 10 10 -20 -20 0 -20 -20 20 0.0045
GW 11 10 -20 -6.666667 0 -20 -6.666667 20 0.0045
GW 12 10 -20 6.666667 0 -20 6.666667 20 0.0045
GW 13 10 -20 20 0 -20 20 20 0.0045
GW 14 6 -60 -20 10 -20 -20 10 0.0045
GW 15 6 -60 -20 20 -20 -20 20 0.0045
GW 16 10 -46.666667 -20 0 -46.666667 -20 20 0.0045
GW 17 10 -33.333333 -20 0 -33.333333 -20 20 0.0045
GW 18 6 -60 20 10 -20 20 10 0.0045
GW 19 6 -60 20 20 -20 20 20 0.0045
GW 20 10 -46.666667 20 0 -46.666667 20 20 0.0045
GW 21 10 -33.333333 20 0 -33.333333 20 20 0.0045
GW 22 6 -60 -6.666667 20 -20 -6.666667 20 0.0045
GW 23 6 -60 6.666667 20 -20 6.666667 20 0.0045
GW 24 6 -46.666667 -20 20 -46.666667 20 20 0.0045
GW 25 6 -33.333333 -20 20 -33.333333 20 20 0.0045
'GW 30901 1 9901.0000 9901.0000 9901.0000 9901.0001 9901.0001 9901.0001 .00001
GS 0 0 .3048
GE 1
GN 1
'EX 0 30901 1 0 0.0 1.0
EX 0 1 3 0 0.0 1.0
LD 4 1 1 1 25 3827
LD 4 1 3 3 5 0
LD 4 4 1 1 50000 0
LD 4 5 1 1 50000 0
LD 4 6 1 1 50000 0
LD 4 7 1 1 50000 0
LD 4 10 1 1 2 0
LD 4 11 1 1 50000 0
LD 4 12 1 1 50000 0
LD 4 13 1 1 50000 0
LD 4 16 1 1 50000 0
LD 4 17 1 1 50000 0
LD 4 20 1 1 50000 0
LD 4 21 1 1 50000 0
'NT 30901 1 1 2 0 0 0 1 0 0
FR 0 1 0 0 1.7 1
RP 0 1 360 1000 90 0 1 1
RP 0 181 1 1000 -90 0 1 1
EN

```