

Prof. "Hakan Widenstedt" Comments (The Boswellian wall)

Date: Saturday, 27 August, 2005

I was looking at your new update on the Boswell report.

The most significant objection one can have against "*Alan Boswell's wall*" of radiation is *the fact that this 7 meter high wall has got no ground radials.*

To maintain high efficiency on medium wave there must be an extensive system of *120 ground radials at least a quarter long each*, that is 120 ground radials of *65 meters length.*

(G.H.Brown, R.F.Lewis and J.Epstein: >> Ground System as a Factor in Antenna Efficiency >> Proceedings of the I.R.E, June1937, pp753-787)

It is not possible to simulate high radiation efficiency with NEC even with the whole structure included if the simulation includes the loss to ground. Also the BW must be much smaller then the measured in such a NEC simulation.

All the Best

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