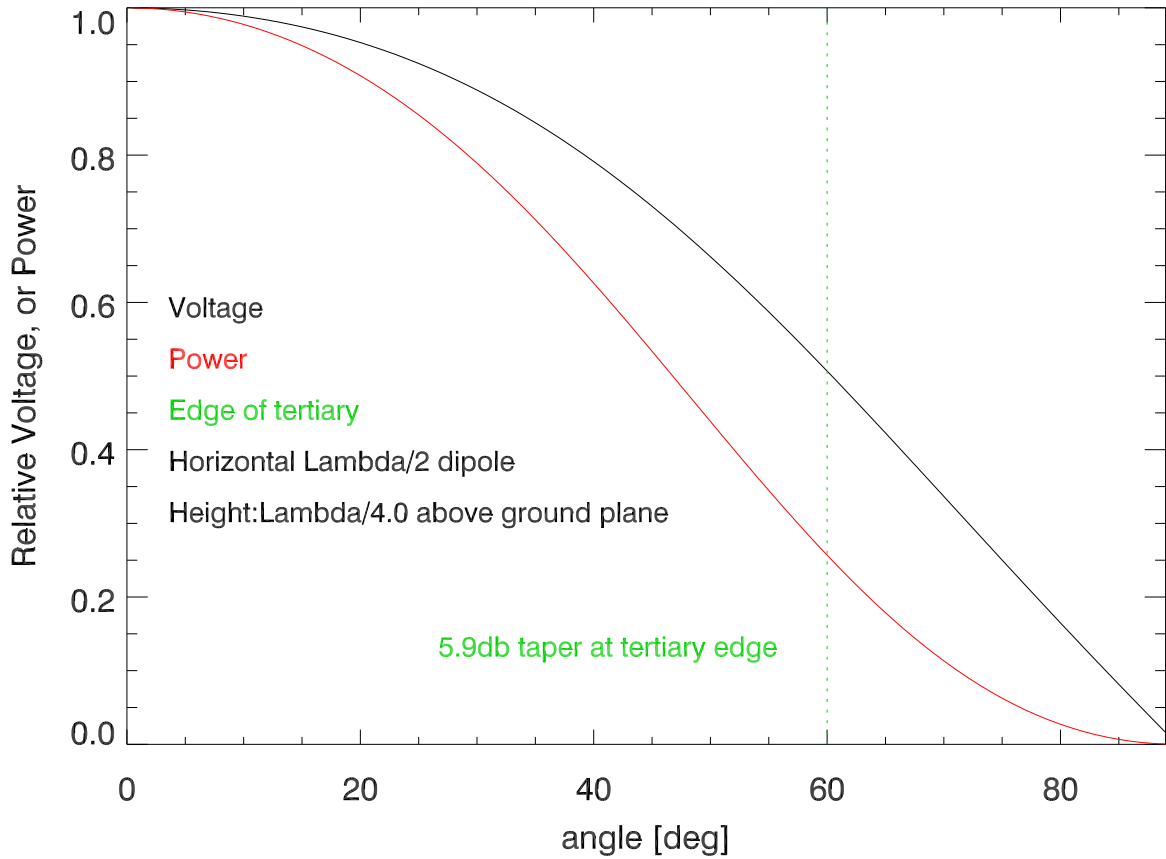


## Dipole voltage and Power pattern vs direction angle



PowerOnTertiary/TotPower:0.81

PowerOffTertiary/TotPower:0.19

assume:Tdome=250K,Tsky=15K,Trcv=50K, then Tsys:110.3

voltage pattern used:

$$V(\theta) = \cos(\pi/2 \cdot \cos(\phi) \cos(90-\theta)) / \sqrt{(1 - \cos(\phi) \cos(90-\theta))^2} \cdot \sin(Hr \cdot \sin(90-\theta))$$