

I support the proposed rule. The physics of spectrum range and penetration say that the unused TV spectrum in remote areas will be ideal for signal propagation through trees and penetration through structures so that rural broadband can finally be realized. The range of the signals in the 700 MHz region should easily reach over 100 miles with an 18 dB antenna. This range is needed to economically reach every rural US household. This unused spectrum should be in the unlicensed arena so that small businesses and entrepreneurs can rapidly deliver high speed Internet access. So far big business with their licensed spectrum have not provided this service in rural America. The inland area of the US is where this spectrum is needed, and this is far from most congested commercial TV areas. I am confident the proposed smart antennas, signaling, and identification technologies will adequately protect commercial TV from interference, especially as commercial TV goes digital as required by the FCC.