

Comments on AM revitalization

The single largest problem with the current AM standard broadcast band is interference. Several steps need be taken to resolve this. Not the least of which is enforcement of current part 15 rules. More modern variations on AM broadcasting, compatible with the thousands of receivers in place could also help.

BPL internet over power lines should be banned immediately. With satellite and cable delivery of internet and data services, there is no home in America that cannot get service and BPL only serves to be a source of interference to AM and other MW transmissions.

Unlicensed devices: All digital and computer devices should be regulated under part 15 rules to emit no more than 5 microvolts per meter at a distance of 1 meter on any frequency from DC to 500 MHz and not more than 10 microvolts per meter at a distance of 1 meter at any other frequency.

Eliminate IBOC. The signal serves hardly any useful service and pollutes the band with wide sidebands that interfere with adjacent channels and on the poor AM radios being sold today, a single IBOC station can interfere with many channels.

AM Transmission should be limited to 99% negative modulation and 125% positive modulation for all modulation components summed.

AM stations should be allowed to use reduced carrier compatible AM, with either single sideband audio or vestigial sideband (1.5 KHz bandwidth) operating in monophonic service and up to 10 dB carrier suppression in stereophonic service at the option of the licensee. This to reduce on channel and adjacent channel interference, and reduce in channel carrier interference from 9 KHz spaced channel stations with signals reaching the US 10 KHz channel spaced stations.

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Celebrating my 51 years in radio broadcasting.