

With respect to the radio market I must say a plan of AM broadcasting with only one of the side bands at 80 percent of carrier while still transmitting the carrier would work with the existing radio; thus no cost to those listening with their current radio. But with a small cost to those broadcasting with tube transmitters. That may be acceptable to those listeners. However it may help by having the side band at a higher signal level to over ride the noise but would not entirely resolve the noise problem.

To broadcast digital [drm not iBiquity] at full power would be much better than the current AM but that would require new radios & change to the transmitter.

To change to an AM transmitter from Amplitude modulation to Frequency modulation would also require changes at both the transmitter & new radios.

But if changes are to be made at both ends it would be best for the FCC to subsidize a converter like was done for the TV to digital conversions using a converter box.

But such a converter box whether using frequency modulation on the current AM frequency or digital modulation on the output of that converter should be like the TV to have both the decoded audio & a RF out put to go into the antenna input of the radio. The best way to do that would be for the out put to be a FM radio of 88.7 frequency.

Finally most Amateur radio[HAM] users will confirm that at their 160 meter band that is adjacent to the current radio band thus a good test of frequency modulation on the AM standard broadcast frequency band; Amplitude modulation is the worst modulation for noise. But Frequency modulation on the 160 meter is much quieter than AM. Signal side band is quieter but not as quite as Frequency modulation. Also the HAM radios in single side band mode do not transmit the carrier thus their radio receivers are much higher quality than the conventional AM standard broadcast radio to work with out receiving a carrier.

Since the noise level at the AM standard broadcast frequency band can be so high frequency modulation would be the best suited. The HAM radio users on the 160-meter band can state an opinion on the noise level using frequency modulation on 160 meters. The Limiter in a frequency modulation radio clipped out the noise that AM sends through thus is heard by the listener as a loud pop. The ratio detector used on Frequency modulation does not pass the static like the standard AM radio using does.

If there are going to be changes [like using the TV channels 5 & 6] that requires new radio receivers; Then a new modulation used like digital [drm] or frequency modulation should be used on the current AM standard broadcast frequency band.

Some one said about the FCC requiring those who buy frequency for cell phone to install a frequency modulation chip or [a digital radio mondell decoder chip in the new cell phone; That would be a good way to make sure there are radios to receive the new modulation. I agree if the FCC will do that or help in providing converters like I said above & like the FCC did for the tv analog shut down for the new digital tv broadcasting.