

This commenter personally thanks Commissioner Pai for giving attention to AM radio stations and their problems. There are many problems and issues that exist for the AM band. All of these technical solutions will not change the fact that by far if there is no content there will be no listeners and that applies to all mediums not just AM.

By far the AM band has a lot of differences. From class A to class D there are many differences. I want to deal with some things that will affect all of these stations.

Interference is by far one of the worst problems to the AM band. Amplitude Modulation does not have as one of its attributes a high signal to noise ratio. I would recommend for the FCC to change the part 15 rules. So that there would be very strict regulation to unintentional emitters. Some equipment uses a specific frequency. Accidentally other equipment emitters interference without actually using that spectrum for its functionality. Fluorescent light bulbs, switching power supplies, motor speed controls, and computers, are some of the most common equipments that unintentionally emit interference. As an amateur operator I have found that many appliances in my house cause interference to the hf band when I am trying to listen to other amateurs. I bought a desktop power supply for my computer that created so much interference on the AM band that even the best radios I had, could not get some strong AM stations. These stations

could be listened to without that power supply on. These unintentional emitters should have strict regulation so that these devices cause no or little interference to the AM service. This is not easy as some items are imported without regulation. But less interference on the AM band is in the interest of the listeners.

MDCL, modulation dependent carrier level, I believe should be let to run without prior authorization from the Commission.

Digital AM has had a apparent issues will being In Band On Channel. I believe digital modulation will eventually be the modulation of the AM band but I do not believe this should be pushed by the Commission at this time. Personally I suggest that HD radio should be realized compared to other systems such as DRM30. One thing that is very appealing about DRM30 is the fact that it is open. Broadcaster will not have to pay to use it neither will the semiconductor manufactures.

The AM "Ratchet Rule" should be by my opinion eliminated. This limits the expansion and relocation of existing AM stations. I believe it was well intentioned but has limited progress. Currently AM stations that built antenna sites a long time ago have suburbs growing around them and with a strict directional arrays that can easy mean losing listener. I propose eliminating the ratchet rule but

giving a tax break or money reimbursement to AM stations that would modify their antenna system or location to lower skywave interference.

An AM exclusive translator filling window. This is a very interesting problem. With an FM translator in the same market as the AM the net effect could be that you get a move to FM listening. But there are some AM stations that have an FM translator basically for nighttime. Because they far surpass the FM translator coverage with the AM during the day but that reverses at night. I do agree with an exclusive AM translator filling window.

In the future I personally believe that the FCC should open up channels 5-6 of TV for the expanded FM band. This would not be to move AM stations to that spectrum. With the ever congestion on the FM band I believe its time to expand. There would be a good allocation for AM translators and LPFMs in that spectrum. Knowing though that this will take some time for there to be receivers for that frequency.

I suggest that there be tax breaks for AM stations that give up their licenses. If they had a FM translator they would be giving the option to keep the translator and let the AM license go. There should be no more AM station licenses given out. Those licenses that would be given back to the Commission should not

be used for new AM stations. Make it also possible for station A to buy a station B so that station A could upgrade its license and better serve the public.

Thank you for opening this filing I hope that my comments will also help in the further improvement of the AM service.

Thank you

Nathan Goossen

nategoossen@gmail.com