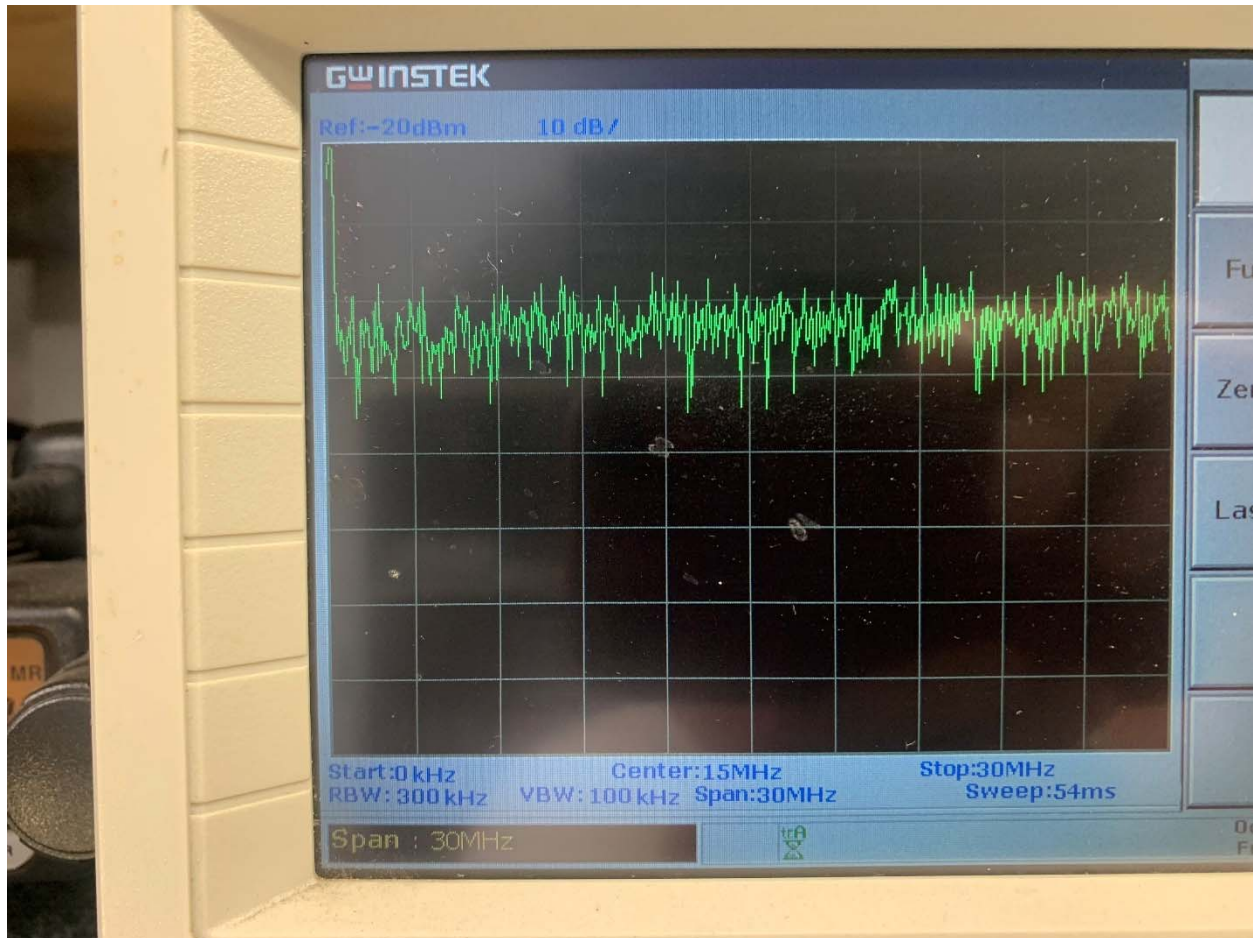


Bench Testing of the DX Engineering 6 band bandpass Filter



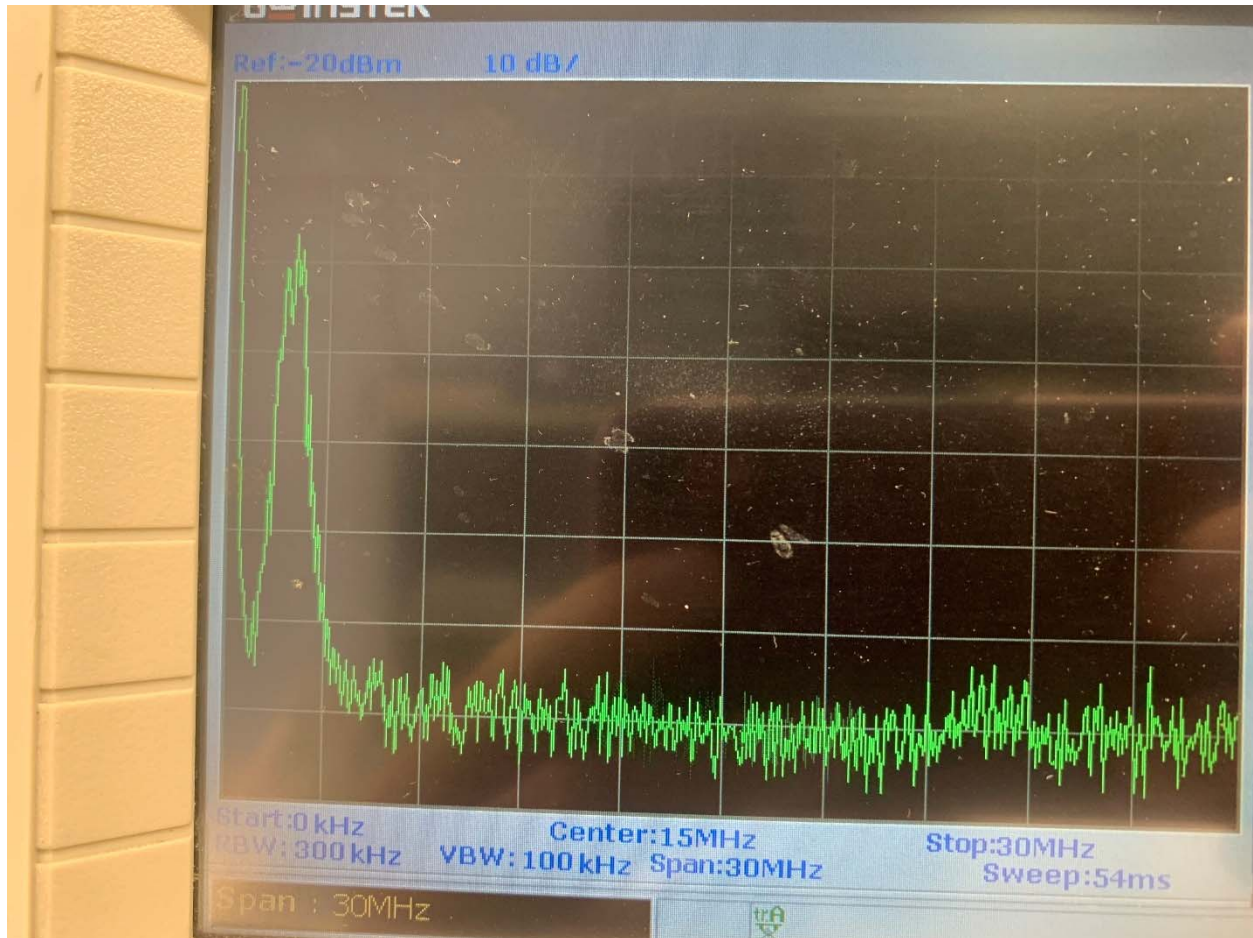
I used a 0-2Ghz noise source with a Spectrum Analyzer.

With no filter selected:



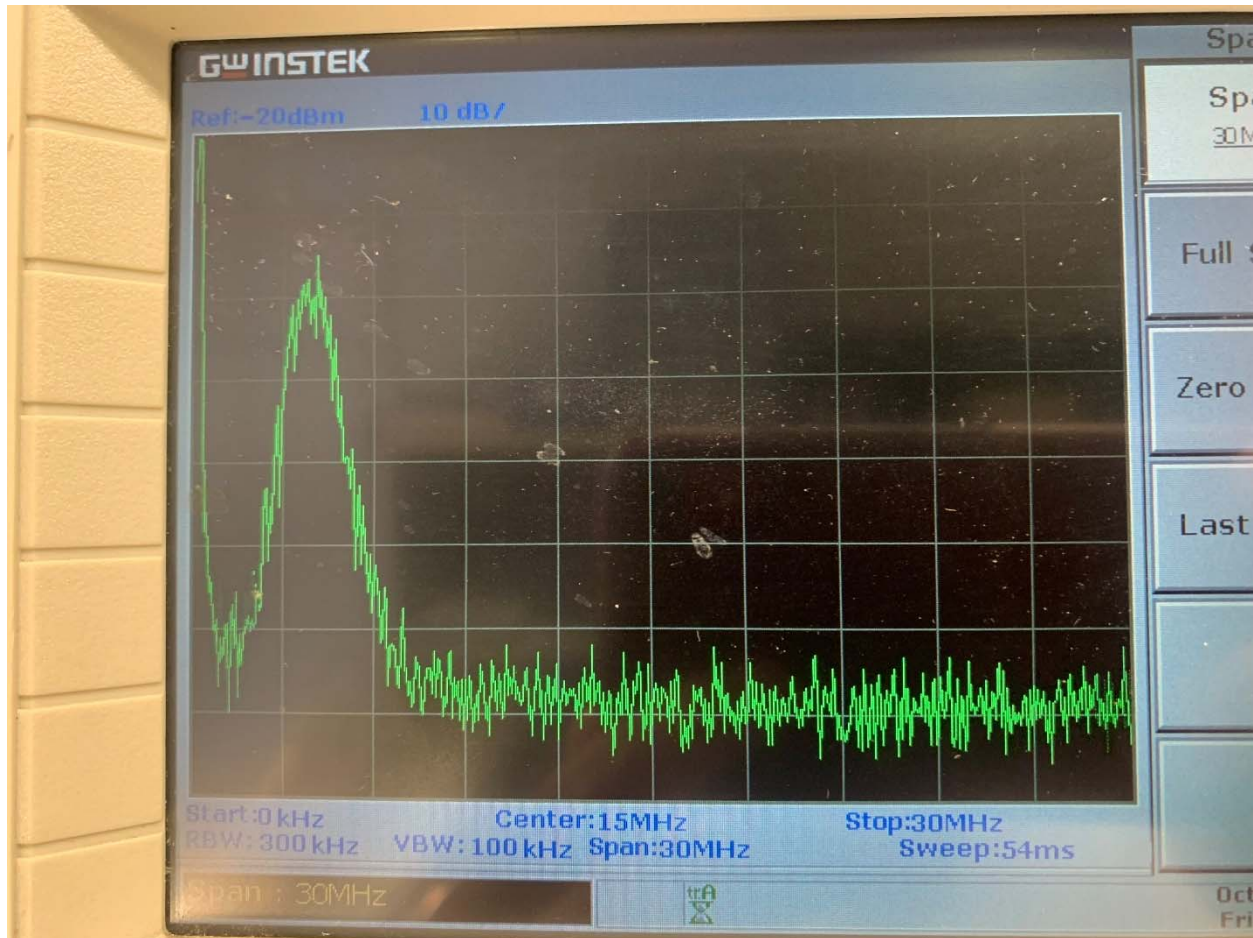
The entire spectrum passes without attenuation.

With the 160 meter band selected



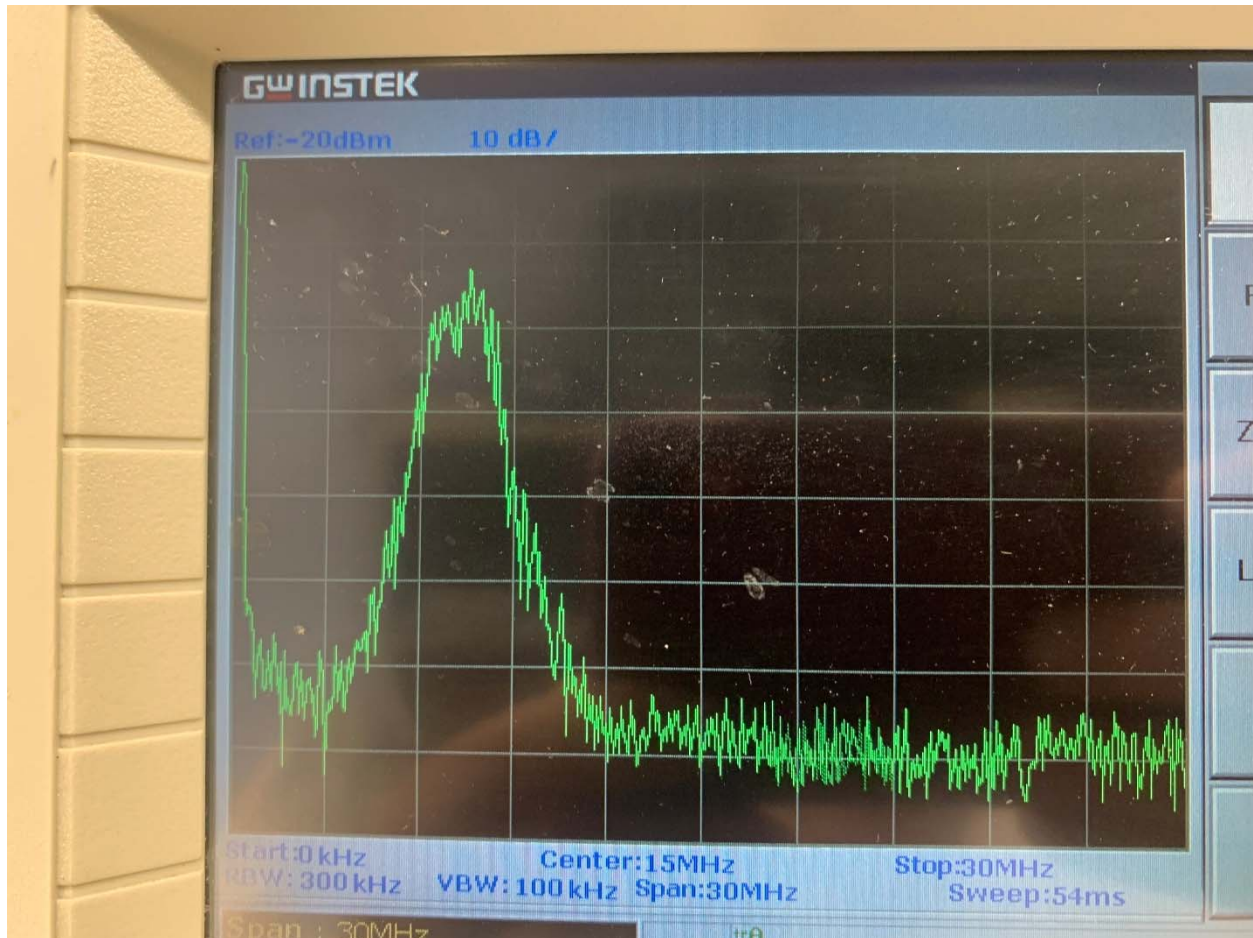
No attenuation on the 160 meter band, remaining spectrum attenuated > 50db

With the 80 meter band selected



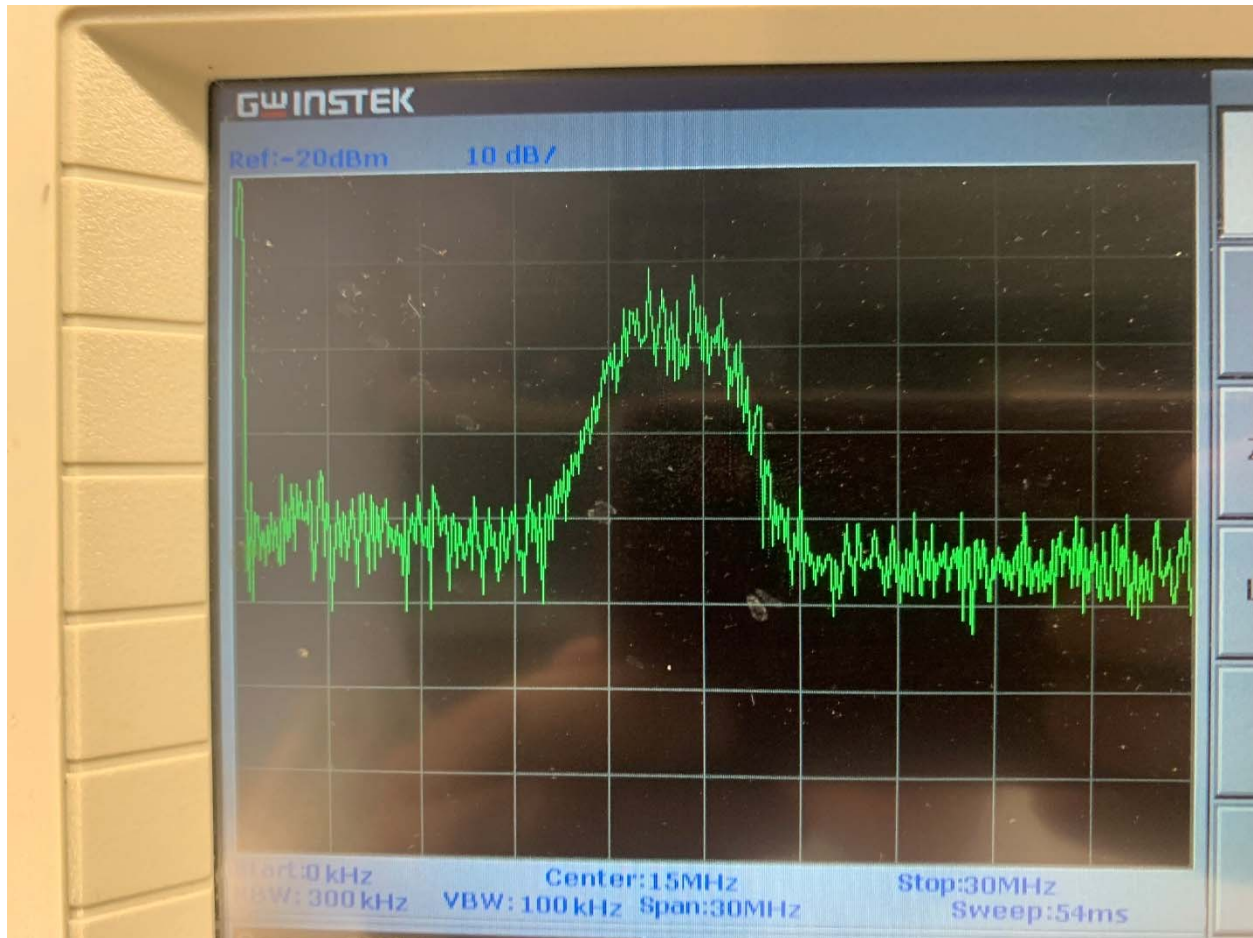
No attenuation in the 80 meter band, remaining spectrum attenuated > 50db

40 meter band selected



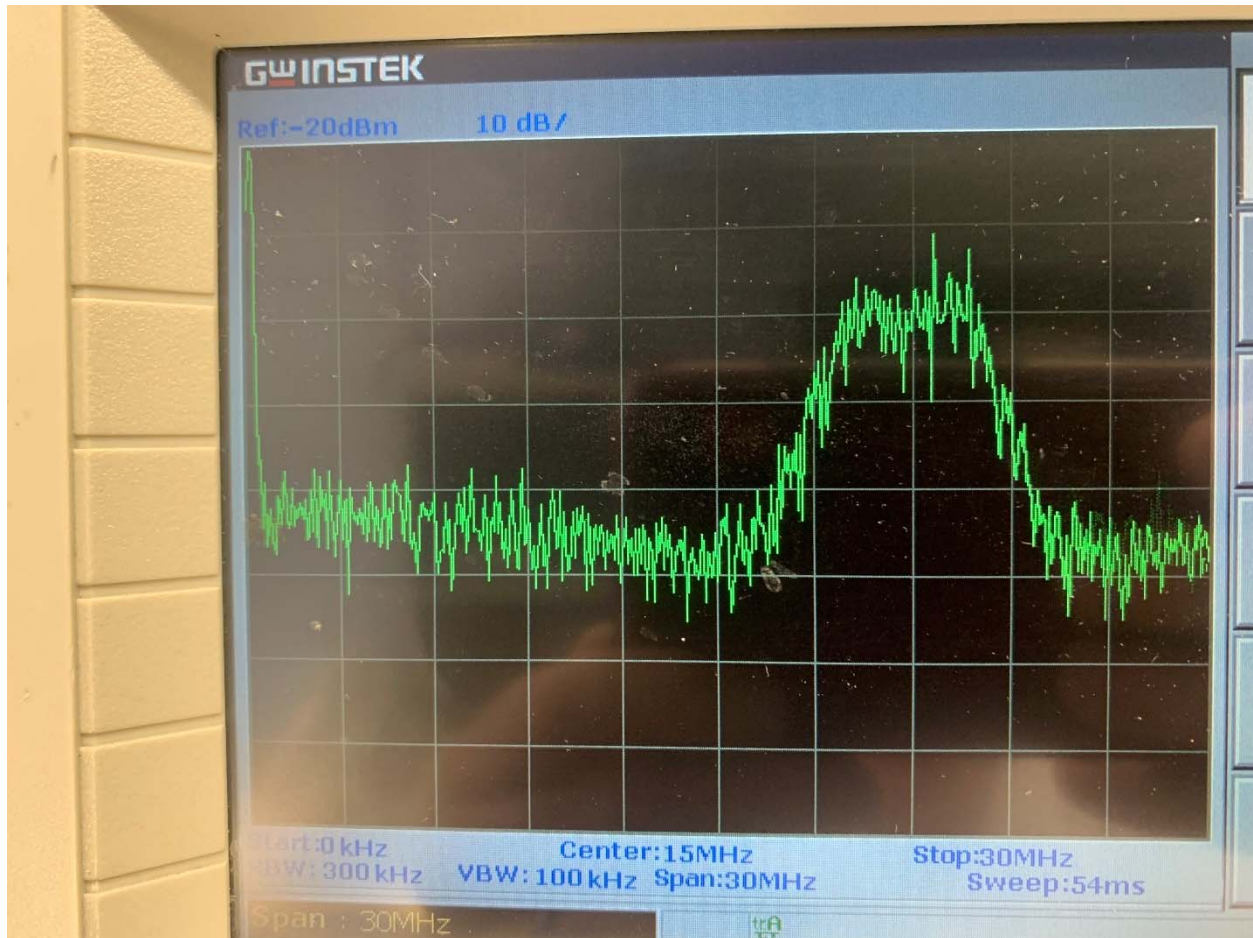
No attenuation in the 40 meter band, remaining spectrum attenuated > 50db

20 meter band selected



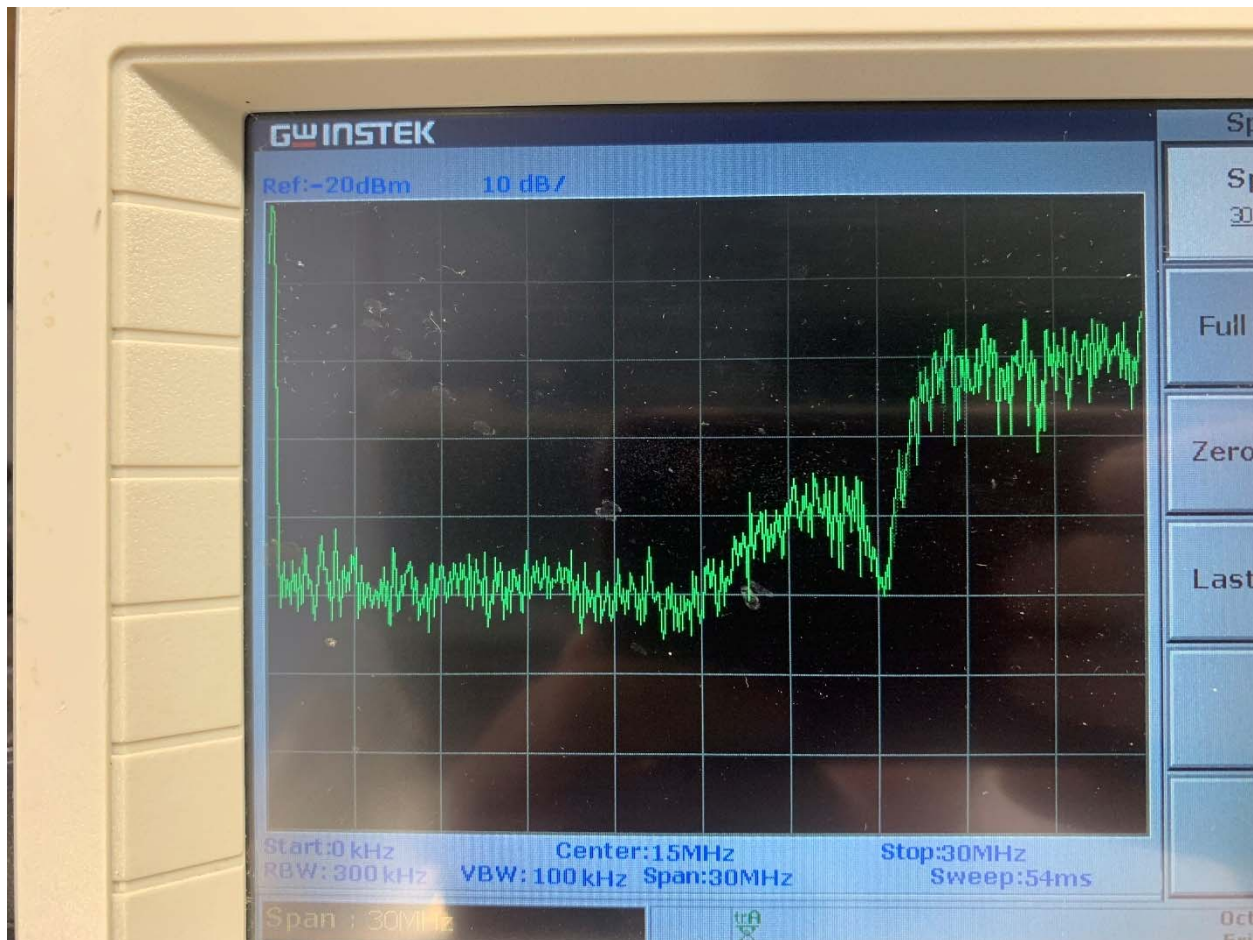
No attenuation in the 20 meter band, remaining spectrum attenuated > 30db

15 meter band selected



No attenuation in the 15 meter band, remaining spectrum attenuated > 30db

10 meter band selected



No attenuation in the 10 meter on up band, 15 meter band attenuation > 20db, 20 meter and lower band attenuation > 30db

Each band filter produced identical results.

The band filters work the same when the input and outputs are reversed, meaning they provide bidirectional filtering, the transmit signal is band filtered and the receive signals are band filtered.

With two units the band filtering the attenuation is additive, for example if one radio is on 40 and the other is on 20 the effective attenuation will be 80db.

Worst case is between 10 and 15 meters, where the effective attenuation is 50db.

These will have additional benefits of reducing received out of band interference.

Cosmetically the units look great, I found a single scratch on the top of one that doesn't break past the paint.

Overall my opinion of these units is very favorable, construction and component quality are first rate.