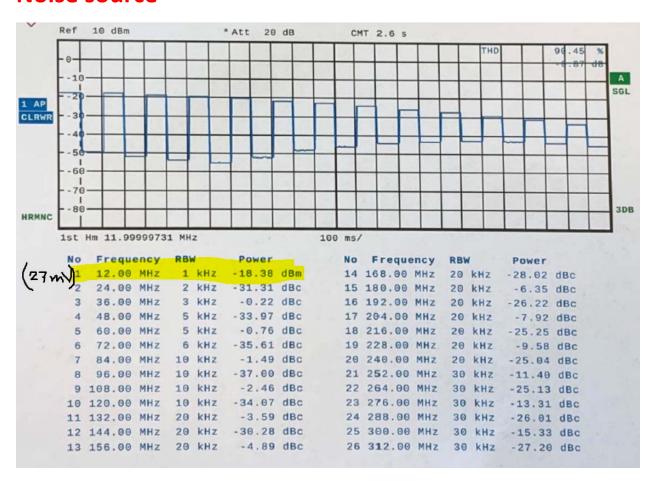
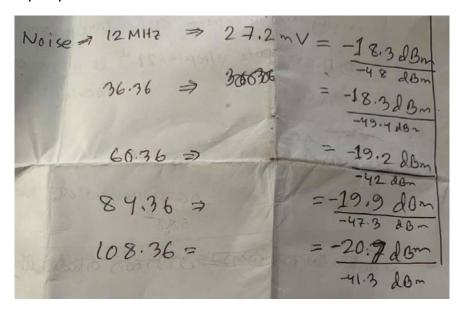
Hardware Simulation

Noise source



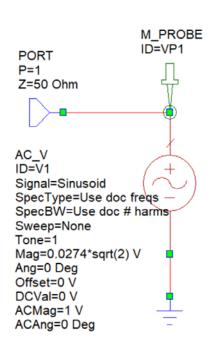
Noise Source with filter (except capacitors)

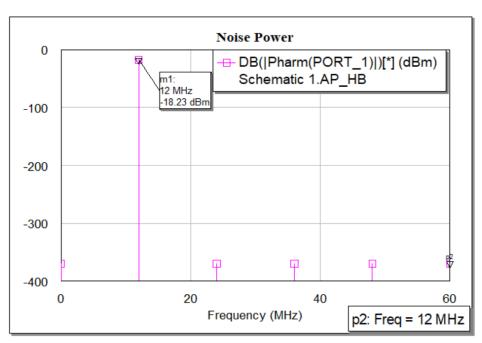
At 12 MHz, the output power is -48 dBm



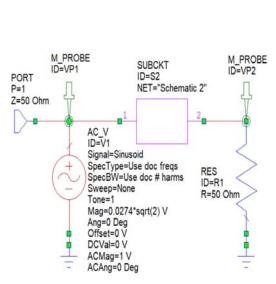
Software Simulation

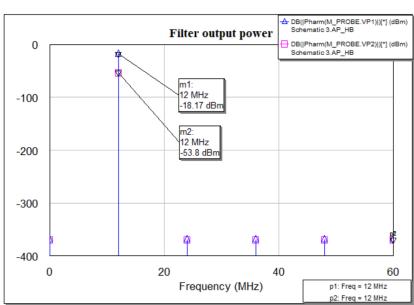
Noise source

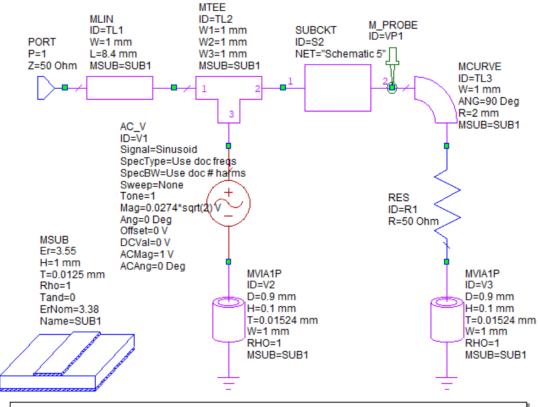


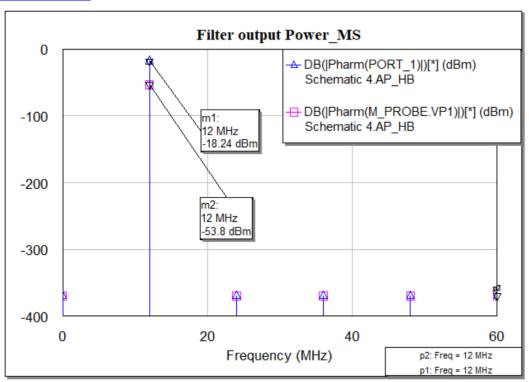


Noise Source with filter (except capacitors)









Facts:

- Noise source is producing -18.3 dBm harmonic power at 12 MHz. both is Hardware and software
- Filter attaching alone with noise source producing
 - o -48dBm harmonic power at 12 MHz in Hardware
 - o -53.8dBm harmonic power at 12 MHz in Software (both MS and OL)
- Including capacitors lowering the value of Harmonic power
- Explain why the harmonic power is such lower as 30dBm down.