Input sine wave. 16 cycles in 4K

Real Amp: 14.1 Rms: 10.00

Img Amp: 14.1 Rms: 10.00

spectrum of sine wave using real+img data. (4096 fft)

spc(f) = abs(1/N*sum(v(t)*exp(-i*2*pi*f*t/N)))*2
pwr1Chan = totPwr200 = 2*(VoltageRms)^2
Since Pwr = v^2 + vR^2 = 2*vP^2

Input sine wave with only real data. 16 cycles in 4K

spectrum of sine wave using only real data. (4096 fft)
pwr1Chan = 50., totPwr = 100 = (voltRms)^2