```
C:\Users\Priyanshu\PycharmProjects\analysis_adc_results\venv\Scripts\python.exe C:\Users\Priyanshu\PycharmProjects\analysis_adc_results\filter_snr.py
CSV columns: ['0.0', '1.6574619974454456']
Loaded 66562 samples. min=1.63862, max=1.68827, mean=1.66349
RMS = 1.6635, Peak = 1.68827
Assumed fs=256000.0 Hz, tone=2000.0 Hz -> Ncycles = 520.015625
Coherent tone? False
Trimming 2 samples to make record coherent (520 cycles -> 66560 samples).
New N: 66560 new Ncycles: 520.0
Detected fundamental at 3.846 Hz (expected 2000.0 Hz), power=30723.5
Noise power = 0.97455
Computed SNR = 44.99 dB
Relative to FS=0.9 Vpeak: 187.585% -> 5.46 dB down

Process finished with exit code 0

```