NP PD trained MMSE MIMO nmlz ChEst with IRS vs SNR in InF 2.5GHz

 $[n_R, n_I, n_T, T]$: [4, 8, 4, 32], datasize: 24000 --- LS w/ I —— channelNet w/ H 30 -X- ISTANet w/ I LS w/ D LS w/ H ··×·· ISTANet w/ D LMMSE w/ I → ISTANet w/ H 25 LMMSE w/ D -->- NP PD w/ I LMMSE w/ H ··×·· NP PD w/ D -X- channelNet w/ I → NP PD w/ H 20 ··×·· channelNet w/ D NMSE(dB) 15 10 5 0 **-**5 10

SNR(dB)