

Island Loading [pW]

0

10

20

30

40

50

60

70

10^2

$T_{\text{bath}} = 250 \text{ mK}$

10^1

10^0

300

400

500

600

700

800

Island Temperature [mK]

NEP [aW/ $\sqrt{\text{Hz}}$]

NEP

Total

Phonon

GR

Amplifier

TLS @ 1 Hz

