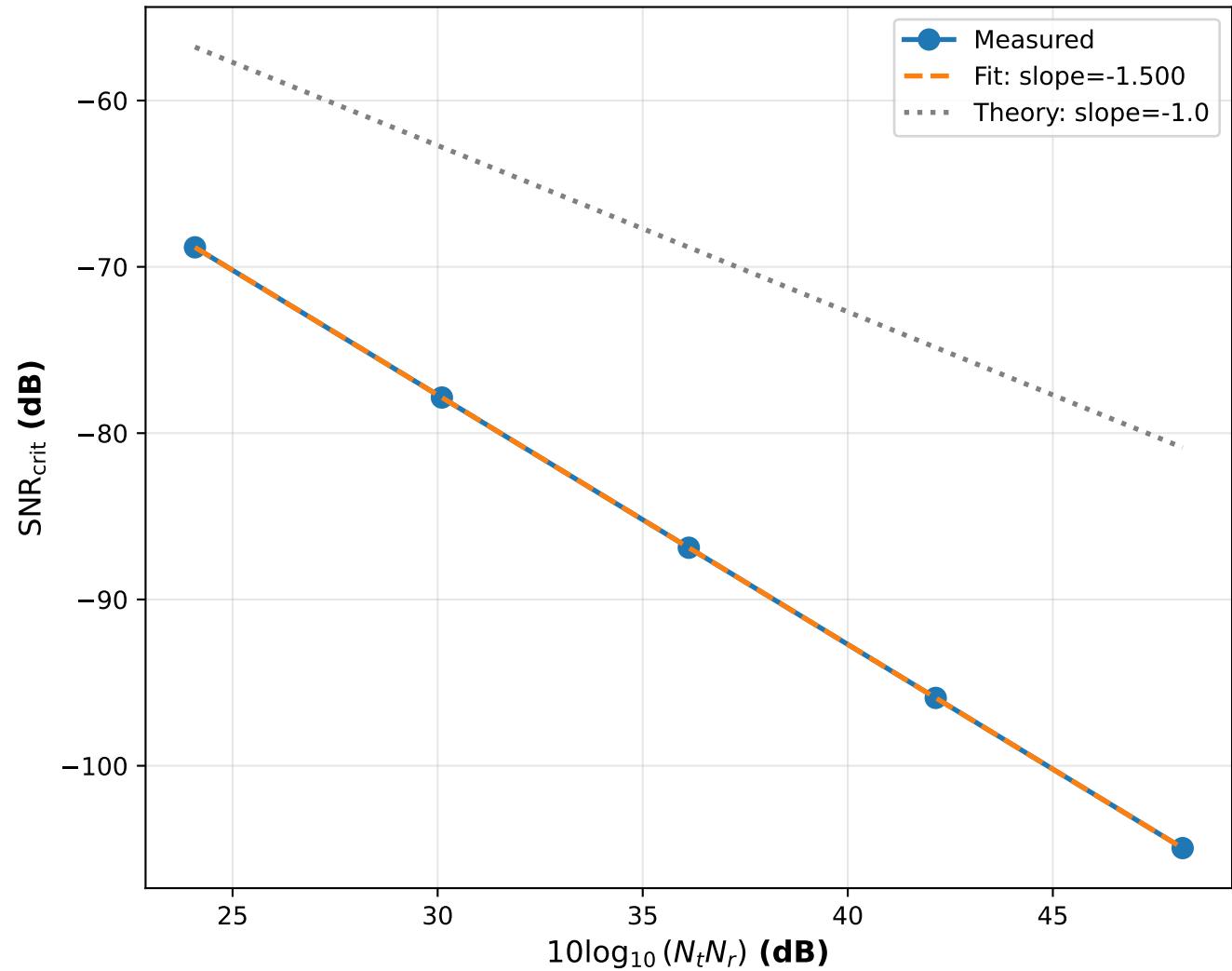
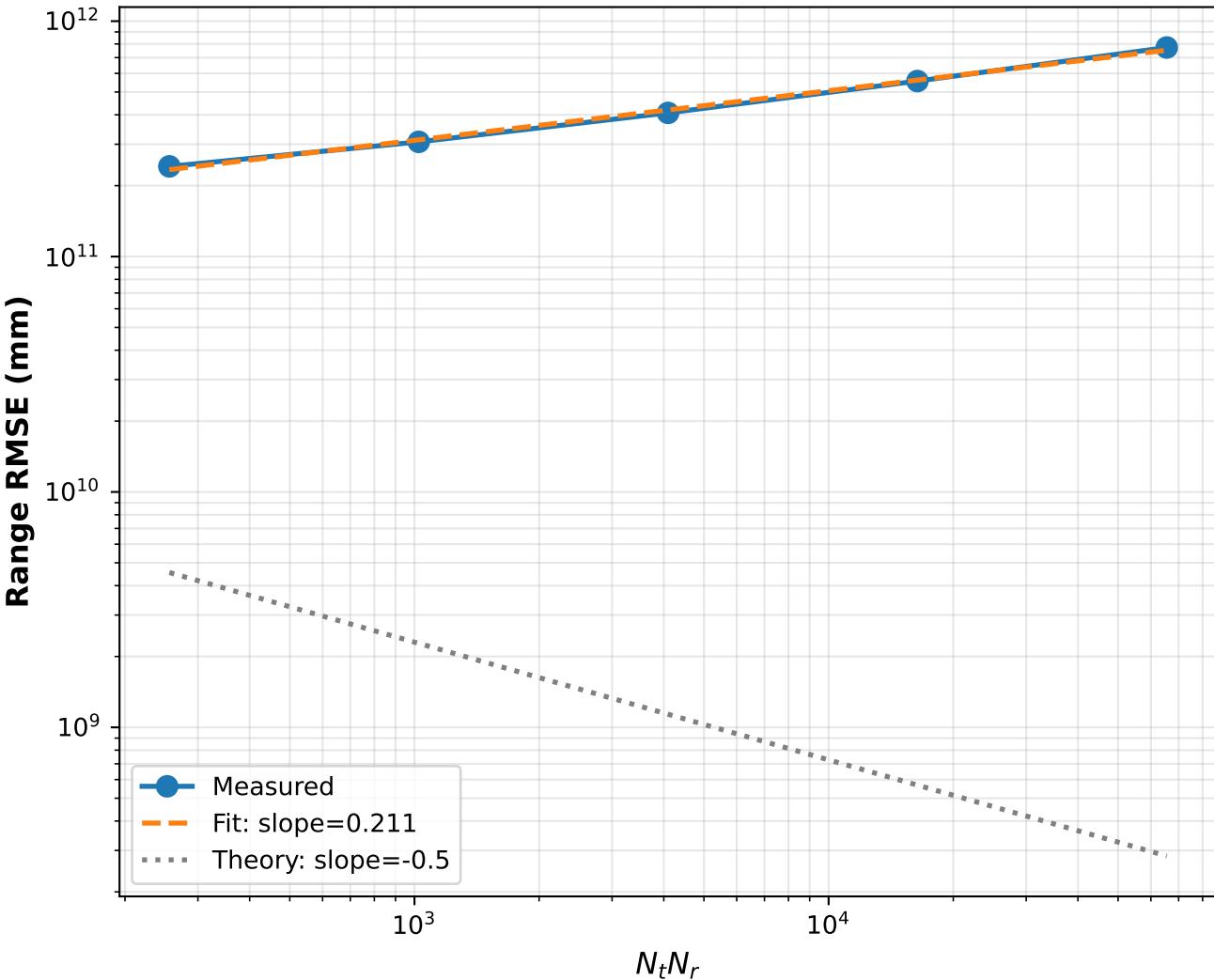
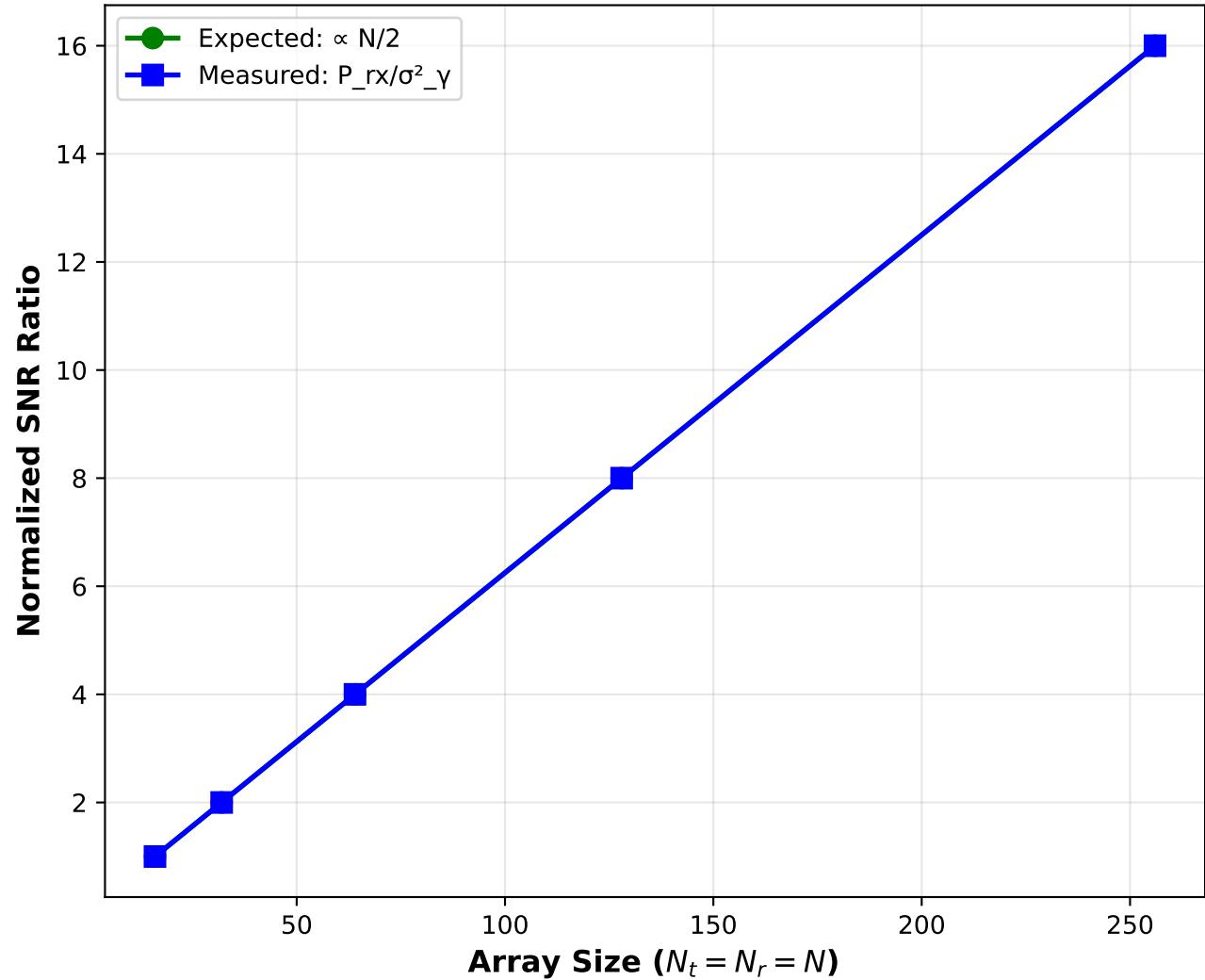


**(a) Communication: Critical SNR vs Array Size****(b) Sensing: RMSE vs Array Size****(c) Diagnostic: Hardware SNR Scaling****(d) Verification Summary**

Metric	Expected	Measured	Status
SNR_crit slope	-1.0	-1.500	✗
RMSE slope	-0.5	0.211	✗
SNR ratio	Linear	0.0%	✓