

Supplemental Material S1. Regression coefficients for the linear mixed model that compared performance between default and place-based maps that would be used clinically. This model included data from the following conditions: CI-default, EAS-default, CI-place, and EAS-place. The comparisons were to the CI-alone device, 5 dB SNR clinical level, and the default mapping procedure. *SE* = standard error.

	Coefficient	<i>SE</i>	<i>t</i>	<i>p</i>
Device	0.68	0.20	3.45	< .001
Mapping procedure	1.39	0.21	6.66	< .001
Level, 10 dB SNR	1.24	0.10	12.71	< .001
Level, asymptote	1.85	0.37	5.02	< .001
Device × Mapping procedure	−0.44	0.26	−1.70	.092
Device × Level, 10 dB SNR	0.10	0.12	0.85	.399
Device × Level, asymptote	0.51	0.40	1.29	.200
Mapping procedure × Level, 10 dB SNR	0.15	0.13	1.21	.230
Mapping procedure × Level, asymptote	1.13	0.39	2.91	.005
Device × Mapping procedure × Level, 10 dB SNR	−0.17	0.16	−1.04	.303
Device × Mapping procedure × Level, asymptote	0.37	0.46	0.81	.421