PHILIPS

MultiBand SENSE

MR Clinical application

High acceleration

for your fMRI and DTI sequences

MultiBand SENSE allows you to use state-of-the-art acceleration factors in the brain by simultaneously exciting multiple slices. Due to a shorter minimum TR for fMRI, larger anatomical coverage or higher temporal resolution can be used. In your DWI/DTI sequences larger anatomical coverage or higher number of diffusion directions can be acquired.[1] With MultiBand SENSE you can perform fMRI and DTI exams with high speed and high resolution, simultaneously.[2]

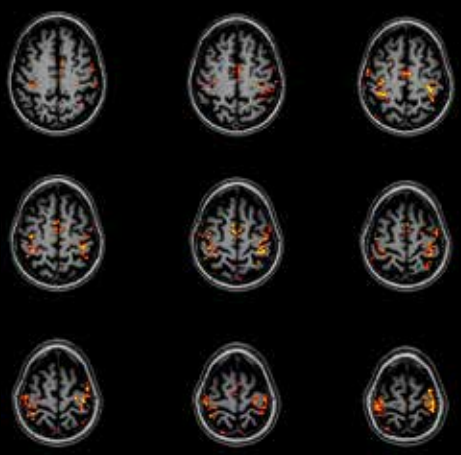
1 Due to a shorter minimum TR
2 High speed due to using MultiBand SENSE and high resolution due to using in-plane dS SENSE

This material is not meant for distribution in the USA

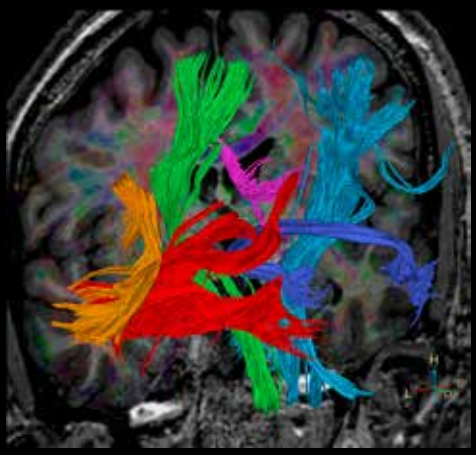
MultiBand SENSE

Field strength	1.5T, 3.0T.
Main applications	Brain.
Sequence	fMRI and DTI.
Speed	Acceleration factors of up to 8 for fMRI. Acceleration factors of up to 4 for diffusion MRI. Reduce scan time in your diffusion weighted protocols up to 73%.[1]
Image quality	Accelerate EPI scans in the brain with virtually no impact on SNR.

1 Compared to normal Philips diffusion scanning



MultiBand SENSE – fMRI
Acceleration factor 8
2.0 x 2.0 x 2.0 mm, 4:54 min
Ingenia 3.0T CX



MultiBand SENSE – DTI
Acceleration factor 4
1.7 x 1.7 x 1.7 mm, 3:25 min
Ingenia 3.0T CX

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