

MagIQ and MagIQ Duo

MRI PHANTOM

An image quality phantom for magnetic resonance imaging comprising a single chamber (MagIQ) or two identical chambers (MagIQ Duo) which may be filled with different solutions to create two test objects (e.g. high field and low field). A total of 5 (MagIQ) or 10 (MagIQ Duo) separate signal compartments can be used.

MagIQ includes the following features;

Reproducible positioning and test conditions

- white pigment-filled centre markings
- integral bubble level
- external LCD temperature strip

Geometric Distortion

- An array of 25.0mm uniformly pitched, high contrast circles

Spatial Resolution

- LP/mm (1.0 LP/mm)
- MTF edge block

Contrast Resolution

Fat Suppression

- 8 user defined compartments (4 x in each arrangement)

SNR / Ghosting / Uniformity

- Flood-fill section for measurement of SNR, ghosting, uniformity

Slice Profile

- Wedges or 'virtual plates' can be used for slice profile measurements



fig. 1, MagIQ Duo

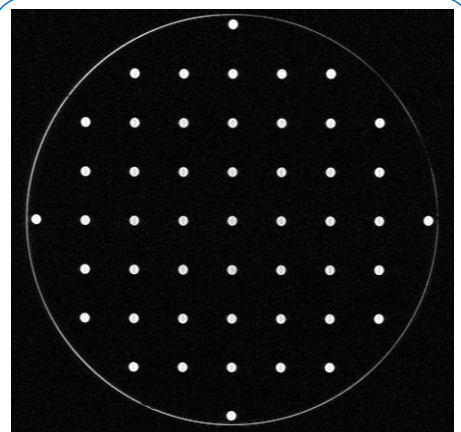
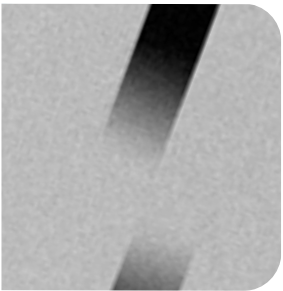


fig. 2, Geometric Distortion

For more information or to find your regional distributor please visit our website



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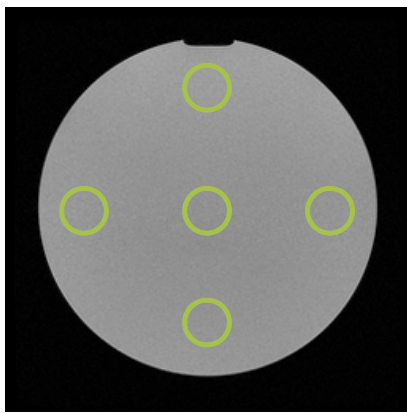


fig. 3, SNR, Ghosting, Uniformity

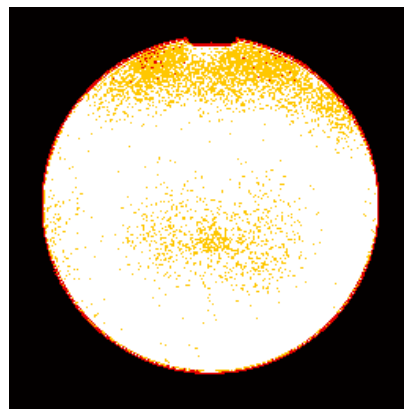


fig. 1, Uniformity Map

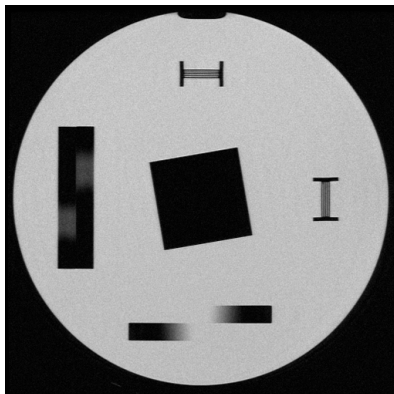


fig. 5, Spatial Frequency, Slice Profile

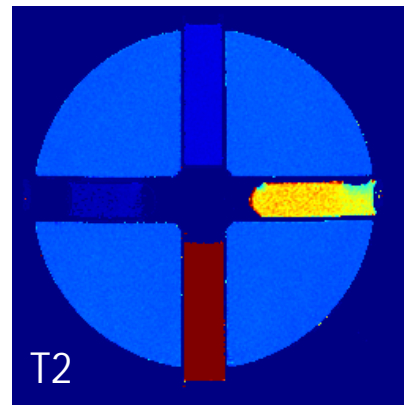


fig. 6, Contrast Resolution

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