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o.1.1 High Speed Stability (HSS)

SCAN OPTION	**INPUT**		
PATIENT REGISTER .	**[New Pt]**		
PATIENT INFORMATION			
Patient Id	**geservice**		
Patient Name	**hss**		
Weight (Lb)	**111**		
	[Landmark]		
Landmark	**[>] [Nasion]**		
PATIENT PROTOCOLS	**[Patient Position]**		
PATIENT POSITION			
Patient Position	**[>] [Supine]**		
Patient Entry	**[>] [Head First]**		
Coil	**[...] [Head] [Accept]**		
IMAGING PARAMETERS			
Plane	**[>] [Axial]**		
Mode	**[>] [2D]**		
Pulse Seq	**[...] [Spin Echo] [Accept]**		
Imaging Options	none (default)		
Psd Name	**hss**		
Protocol	no entry		
ADDITIONAL PARAMETERS	**[USER CVs]**		
USER CONTROL VARIABLES			
	0:45 Hz 1:4± Line Freq	**0**	(0 to 1)
	Number of Scan Passes	**5**	(5 to 10)
	[Accept]		
(lowest window)	**[Save Series]**		

o.3.1 Spike Noise (Head Axial, A/P)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**spike noise test**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
Imaging Options	**[...] [Sequential]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[10]**
TR.	**[20]**
Flip Angle	**[10]**
Bandwidth	**[15.63]**

SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**[1.5]**
S/I Start	**[I60]**
S/I End	**[S60]**
# of Slices	20 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)
ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[1]** (1:45)
# of Locs Before Pause	**0**
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**
[Research Operations]	**[Setup Params]**
R1	**11**
R2	**15**
TG	**0**
Number of Frames	**2**
	[Done]

o.3.2 Spike Noise (Head Axial, R/L)

SCAN OPTION	INPUT
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
ACQUISITION TIMING	
Freq Dir	**[>] [R/L]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series

o.3.3 Spike Noise (Head Sagittal)

SCAN OPTION	INPUT
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
SCANNING RANGE	
R/L Start	**[R60]**
R/L End	**[L60]**
P/A Center	0 (default)
I/S Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [A/P]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series

o.3.4 Spike Noise (Head Coronal)

SCAN OPTION	INPUT
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
SCANNING RANGE	
A/P Start	**[P60]**
A/P End	**[A60]**
S/I Center	0 (default)
R/L Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [R/L]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series

o.3.5 Spike Noise (Body Coronal)

SCAN OPTION	INPUT
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
PATIENT POSITION	
Coil	**[...] [Bodyd] [Accept]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series

o.3.6 Spike Noise (Body Sagittal)

SCAN OPTION	INPUT
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
SCANNING RANGE	
R/L Start	**[R60]**
R/L End	**[L60]**
P/A Center	0 (default)
I/S Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [S/I]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series

o.3.7 Spike Noise (Body Axial, R/L)

SCAN OPTION	**INPUT**
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
SCANNING RANGE	
S/I Start	**[I60]**
S/I End	**[S60]**
L/R Center	0 (default)
P/A Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [R/L]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series

o.3.8 Spike Noise (Body Axial, A/P)

SCAN OPTION	INPUT
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
ACQUISITION TIMING	
Freq Dir	**[>] [A/P]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series

o.6.1 TPS/RF Waveform

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**rf waveforms**
Weight (Lb)	**300**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**pcal**
Protocol	no entry
SCAN TIMING	
# of Echoes	**1**
TE	**[25]**
TR	**[200]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**0**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[1]** (0:28)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.7.1 Head EPIWP Base Z

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**epiwp head z**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [EPI]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Shots	**[8]**
TE	**[Min Full]**
TR	**[6000]**
Band Width	**[62.50]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[10]**
A/P Start	**[P20]**
A/P End	**[A20]**
# of Slices	3 (default)
S/I Center	0 (default)
R/L Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[128]**
Phase	**[64]**
NEX	**[1]** (0:06)
Phase FOV	1.00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] [Water]**
(lowest window)	**[Save Series]**

o.8.1 Head EPIWP Base Y

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**epiwp head y**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [EPI]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Shots	**[8]**
TE	**[Min Full]**
TR	**[6000]**
Band Width	**[62.50]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[10]**
R/L Start	**[L20]**
R/L End	**[R20]**
# of Slices	3 (default)
P/A Center	0 (default)
I/S Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[128]**
Phase	**[64]**
NEX	**[1]** (0:06)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Water]**
(lowest window)	**[Save Series]**

o.9.1 Head EPIWP Base X

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**epiwp head x**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [EPI]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Shots	**[8]**
TE	**[Min Full]**
TR	**[6000]**
Band Width	**[62.50]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[10]**
S/I Start	**[I20]**
S/I End	**[S20]**
# of Slices	3 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[128]**
Phase	**[64]**
NEX	**[1]** (0:06)
Phase FOV	1.00 (default)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Water]**
(lowest window)	**[Save Series]**

o.10.1 DD/TR Board

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**dd/tr check**
Weight (Lb))	**300**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[200]**
Bandwidth	**15.63** (1.0T only)
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**0**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[2]** (0:52)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.11.1 Body T/R Check

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**body tr check**
Weight (Lb))	**300**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[150]**
Bandwidth	**15.63** (1.0T only)
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**0**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[2]** (0:39)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **[Save Series]**

o.11.2 Head T/R Check

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**head tr check**
Weight (Lb))	**300**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[150]**
Band Width	**15.63** (1.0T only)
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**0**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[2]** (0:39)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **[Save Series]**

o.12.1 Head Slice Thickness (2D, 3mm)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**head slice thick**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[300]**
Bandwidth	**[7.81]** (1.0T only)
SCANNING RANGE	
FOV	**[20]**
Slice Thickness	**[3]**
Spacing	**[77]**
S/I Start	**[I80]**
S/I End	**[S80]**
# of Slices	3 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[4]**
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.12.2 Head Slice Thickness (2D, 5mm)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area.
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	On new series to activate it.
	See Note 1
IMAGING PARAMETERS	
Imaging Options	none
SCAN TIMING	
TE	**[Min Full]**
TR	**[800]**
Bandwidth	**[15.63]**
SCANNING RANGE	
Slice Thickness	**[5]**
Spacing	**[75]**
ACQUISITION TIMING	
NEX	**[4]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan**

Note: 1. Only values different from previous series shown. All other values should be the same as the previous series.

o.12.3 Head Slice Thickness (2D, 10mm)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area.
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	on new series to activate it.
	See Note 1
SCANNING RANGE	
Slice Thickness	**[10]**
Spacing	**[70]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan**

Note: 1. Only values different from previous series shown. All other values should be the same as the previous series.

o.12.4 Head Slice Thickness (2D, Grad Echo, 5mm)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note 1
IMAGING PARAMETERS	
Pulse Seq	**[...] [Gradient Echo] [Accept]**
SCAN TIMING	
TE	**[9]**
TR	**[100]**
Flip Angle	**[30]**
Bandwidth	**15.63**
SCANNING RANGE	
Slice Thickness	**[5]**
Spacing	**[77]**
S/I Start	**0**
S/I End	**0**
# of Slices	**1**
ACQUISITION TIMING	
Phase	**[128]**
NEX	**[1]** (0:16)
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan**

Note: 1. Only values different from previous series shown. All other values should be the same as the previous series.

o.12.5 Head Slice Thickness (3D, Localizer)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note 1
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Imaging Options	none
SCAN TIMING	
TR	**[50]**
SCANNING RANGE	
FOV	[**24]**
Spacing	**[1.5]**
ACQUISITION TIMING	
Freq Dir	**[>] [S/I]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series are shown. All other values should be the same as the previous series.

o.12.6 Head Slice Thickness (3D, Grad Echo, 1.5mm)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area.
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	on new series to activate it
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [3D]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
SCAN TIMING	
TR	**[34]**
Bandwidth	**[15.63]**
TE	**[9]**
Flip Angle	**[30]**
SCANNING RANGE	
Slice Thickness	**[1.5]**
# of Slices	**[28]**
ACQUISITION TIMING	
Freq Dir	**[>] [A/P]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series are shown. All other values should be the same as the previous series.

o.13.1 SNR Check (Body, Axial)

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**body snr**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[20]**
TR	**[2000]**
SCANNING RANGE	
FOV.	**[48]**
Slice Thickness.	**[3]**
Spacing	**[1.5]**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[1]** (8:52)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.13.2 SNR Check (Body, Sagittal)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note.
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
SCANNING RANGE	
R/L Start	**0**
R/L End	**0**
P/A Center	0 (default)
I/S Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [S/I]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.13.3 SNR Check (Body, Coronal)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area.
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	on new series to activate it.
	See Note.
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
SCANNING RANGE	
A/P Start	**[SEE PROCEDURE]**
A/P End	**[SEE PROCEDURE]**
S/I Center	0 (default)
R/L Center	0 (default)
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.13.4 SNR Check (Head, Axial)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**head snr**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[20]**
TR	**[2000]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[3]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[1]** (8.52)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.13.5 SNR Check (Head, Sagittal)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	on new series to activate it.
	See Note
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
SCANNING RANGE	
R/L Start	**0**
R/L End	**0**
P/A Center	0 (default)
I/S Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [S/I]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.13.6 SNR Check (Head, Coronal)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
SCANNING RANGE	
A/P Start	**[SEE PROCEDURE]**
A/P End	**[SEE PROCEDURE]**
S/I Center	0 (default)
R/L Center	0 (default)
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.15.1 Slice Offset (2D, 3mm, Table 50mm)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**head slice thick**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [SpinEcho] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[300]**
Bandwidth	**15.63** (1.0T only)
SCANNING RANGE	
FOV	**[20]**
Slice Thickness	**[3]**
Spacing	**[97]**
I/S Start	**I50**
I/S End	**S50**
# of Slices	2 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	**50**

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[2]** (2:35)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.15.2 Slice Offset (2D, 3mm, Table –50mm)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
SCANNING RANGE	
Table Delta	**[-50]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.15.3 Slice Offset (3D, Grad Echo Localizer)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
SCAN TIMING	
TE	**[9]**
TR	**[50]**
Flip Angle	**[30]**
Bandwidth	**[15.63]**
SCANNING RANGE	
Slice Thickness	**[5]**
Spacing	**[1.5]**
R/L Start	**0**
R/L End	**0**
# of Slices	**1**
P/A Center	0 (default)
I/S Center	0 (default)
Table Delta	0.00 (default)
ACQUISITION TIMING	
Phase	**[128]**
NEX	**[1]** (0:10)
Freq Dir	**[>] [S/I]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.15.4 Slice Offset (3D, Grad Table 50mm)

SCAN OPTION	INPUT
RX MANAGER	Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [3D]**
SCAN TIMING	
TR	**[34]**
SCANNING RANGE	
Slice Thickness	**[3]**
# of Slices	**[60]**
Table Delta	**[50]**
ACQUISITION TIMING	
Freq Dir	**[>] [A/P]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.15.5 Slice Offset (3D, Grad Table –50mm)

SCAN OPTION	INPUT
RX MANAGER	Place cursor in Series list area
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	on new series to activate it.
	See Note
SCANNING RANGE	
Table Delta	**[-50]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.16.1 RFT Body Scan

SCAN OPTION	**INPUT**
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**rft**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [SpinEcho] [Accept]**
Imaging Options	none (default)
Psd Name	**rft**
Protocol	no entry
ADDITIONAL PARAMETERS	**[USER CVs]**
USER CONTROL VARIABLES	(Refer to procedure for proper User CV values.)
(lowest window)	**[Save Series]**

o.16.2 RFT Head Scan

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**rft**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [SpinEcho] [Accept]**
Imaging Options	none (default)
Psd Name	**rft**
Protocol	no entry
ADDITIONAL PARAMETERS	**[USER CVs]**
USER CONTROL VARIABLES	(Refer to procedure for proper User CV values.)
(lowest window)	**[Save Series]**

o.17.1 Body F/R Quadrature

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**body f/r quad**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[…] [EDR]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[92]**
Band Width	**[15.63]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[2]** (0:43)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.17.2 Head F/R Quadrature

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**hd f/r quad**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[…] [EDR]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[92]**
Bandwidth	**[15.63]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[2]** (0:43)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.18.1 Dummy Load

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**dummy load cal**
Weight (Lb))	**300**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default0
Psd Name	**cal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[200]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**0**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING

Freq	**[256]**
Phase	**[128]**
NEX	**[2]** (0:52)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **[Save Series]**

[Research Operations], **[Display CVs]**

Modify the following:

Calmode	**2** (trapezoid pulse)
p2_ramp	**1** (1 µsec ramptime)
t2	**50000** (50 msec tr)
pismode	**1** (exec service)
pmode	**1** (data collection)
daqm	**1** (data collection)
	[Accept]

[Research Operations] [Setup Params]

R1	**7**
R2	**14**
Number of Frames	**[2]**
	Window 1
	Frame **1** + Frame **0**
	[Done]

[Manual Prescan]

Windows (From Menu Bar)	**2**
Window Type	**I Channel**
	[Done]

o.19.1 LVShim (Localizer)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**LV shim**
Weight (Lb))	**300**
	[Landmark]
Landmark	**[>] [Sternal]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[20]**
TR	**[300]**
Bandwidth	**[15.63]** (1.0T only)
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
S/I Center	0 (default)
R/L Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[1]** (1:23)
Phase FOV	1.00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.19.2 LVShim Scan

SCAN OPTION	INPUT		
PATIENT REGISTER .	**[New Pt]**		
PATIENT POSITION			
Patient Position	**[>] [Supine]**		
Patient Entry	**[>] [Head First]**		
Coil	**[...] [Body] [Accept]**		
Series Description	Note 1		
IMAGING PARAMETERS			
Plane	**[>] [Axial]**		
Mode	**[>] [2D]**		
Pulse Seq	**[...] [Spin Echo] [Accept]**		
Imaging Options	none (default)		
Psd Name	**LVshim**		
Protocol	no entry		
ADDITIONAL PARAMETERS	**[USER CVs]**		
USER CONTROL VARIABLES			
	No. of scan planes	**[6]**	[2.0 to 16.0]
	Bandwidth in Hz	**[Note 2]**	[100.0 to 20000.0]
	[Accept]		
(lowest window)	**[Save Series]**		

Note 1: Refer to procedure for description name to use.
Note 2: Refer to procedure for proper Bandwidth to use.

o.20.1 First Image

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**first image**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	**[1]** (default)
TE	**[20]**
TR	**[400]**
Band Width	**[15.63]** (1.0T only)
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[2]** (3:26)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.21.1 T2 Unformity (Body, Axial)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**body T2**
Weight (Lb))	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	**[4]**
TE	**[30]**
TR	**[1000]**
BW	**[15.63]**
BW2	**[15.63]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[1]** (2:20)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.21.2 T2 Uniformity (Body, Sagittal)

RX MANAGER	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	.**[>] [Sagittal]**
SCANNING RANGE	
R/L Start	**0**
R/L End	**0**
P/A Center	0 (default)
I/S Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [S/I]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.21.3 T2 Uniformity (Body/Head, Coronal)

RX MANAGER	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
IMAGING PARAMETERS	
Plane	**[Coronal]**
SCANNING RANGE	
A/P Start	see procedure
A/P End	see procedure
S/I Center	0 (default)
R/L Center	0 (default)
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.22.1 Isocenter Cal (DQA-III)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**iso cal**
Weight (Lb))	**111**
	[Landmark]
Exam Description	**dqa isoz cal** (see Note 1)
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[300]**
Bandwidth	**[15.63]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[3.0]**
Spacing	**[1.5]**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[512]**
Phase	**[256]**
NEX	**[1]** (1:20)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

Note 1: The Exam Description name must be exact because it is used by the automated analysis tool (Daily Quality).

o.23.1 Head Power Monitor

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**head pm**
Weight (Lb))	**300** ← *IMPORTANT*
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**cal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[200]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**0**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[2]** (0:52)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **Save Series]**

o.23.2 Body Power Monitor

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**body pm**
Weight (Lb))	**300** ← *IMPORTANT*
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**cal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[200]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**0**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING

Freq	**[256]**
Phase	**[128]**
NEX	**[2] [R/L]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **Save Series]**

[Research Operations], [Display CVs]

Modify the following:

dcset	**255**
t3	**20000**
	[Accept]

o.23.3 Amp Shutdown Verification

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**pm check**
Weight (Lb)	**300** ← *IMPORTANT*
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**cal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[200]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**0**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING

Freq.	**[256]**
Phase	**[128]**
NEX	**[2]** (0:52)
Freq Dir	**[>] [R/L]**
Auto Center Freq.	**[>] [Peak]**

(lowest window) **[Save Series]**

[Research Operations], [Display CVs]

Modify the following:

dcset	**255**
aset	**30**
calmode	**2**
trig	**1**

For RF/PEN Cabinet only, modify the following additional CVs:

pwset	**255**
aset	**120**
p1	**3100**
p3	**2400**
	[Accept]

o.24.1 System Gain Cal (Body)

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**bd sys gain**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[21]**
TR	**[700]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[5]**
Spacing	**[1.5]**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[128]**
NEX	**[1]** (1:38)
Phase FOV	1.00 (default)
Freq Dir	**[>] [R/L]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.24.2 System Gain Cal (Head)

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**hd sys gain**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[700]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[128]**
NEX	**[1]** (1:38)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.25.1 Pin Diode Test (Head)

SCAN OPTION	INPUT	
PATIENT REGISTER	**[New Pt]**	
PATIENT INFORMATION		
Patient Id	**geservice**	
Patient Name	**tlt head**	
Weight (Lb)	**111**	
	[Landmark]	
Landmark	**[>] [Nasion]**	
PATIENT PROTOCOLS	**[Patient Position]**	
PATIENT POSITION		
Patient Position	**[>] [Supine]**	
Patient Entry	**[>] [Head First]**	
Coil	**[...] [Head] [Accept]**	
IMAGING PARAMETERS		
Plane	**[>] [Axial]**	
Mode	**[>] [2D]**	
Pulse Seq	**[...] [Spin Echo] [Accept]**	
Imaging Options	none (default)	
Psd Name	**tlt**	
Protocol	no entry	
ADDITIONAL PARAMETERS **[USER CVs]**		
USER CONTROL VARIABLES		
SNR/T2 Tests: (-1=noise only)	**-1**	(-1 to 4)
TRMap: 0=off, 1=ax, 2=sag, 3=cor	**0**	(0 to 3)
Stability: 1=Z, 2=X, 3=Y, 4=all	**0**	(0 to 4)
Run GradCal Test: 0=off, 1=on	**0**	(0 to 1)
ASC Analysis: 0=off, 1=immediate, 2=queued	**0**	(0 to 2)
	[Accept]	
SCANNING RANGE		
FOV	**[24]**	
Slice Thickness	**[4]**	
Spacing	**0**	
S/I Start	**0**	
S/I End	**0**	
# of Slices	1 (default)	
L/R Center	0 (default)	
P/A Center	0 (default)	
Table Delta	0.00 (default)	

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[1]**
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.25.2 Pin Diode Test (Body)

SCAN OPTION	INPUT	
PATIENT REGISTER	**[New Pt]**	
PATIENT INFORMATION		
Patient Id	**geservice**	
Patient Name	**tlt body**	
Weight (Lb)	**111**	
	[Landmark]	
Landmark	**[>] [Sternal Notch]**	
PATIENT PROTOCOLS	**[Patient Position]**	
PATIENT POSITION		
Patient Position	**[>] [Supine]**	
Patient Entry	**[>] [Head First]**	
Coil	**[...] [Body] [Accept]**	
IMAGING PARAMETERS		
Plane	**[>] [Axial]**	
Mode	**[>] [2D]**	
Pulse Seq	**[...] [Spin Echo] [Accept]**	
Imaging Options	none (default)	
Psd Name	**tlt**	
Protocol	no entry	
ADDITIONAL PARAMETERS	**[USER CVs]**	
USER CONTROL VARIABLES		
Shim Test: 0=off, 1=on	**0**	[0 to 1]
GrafImage: 1=ax,2=sa,3=co,4=all	**0**	[0 to 4]
SNR/T2 Tests: (-1=noise only)	**-1**	[-1 to 4]
TRMap: 0=off,1=ax,2=sag,3=cor	**0**	[0 to 3]
Stability: 1=Z,2=X,3=Y,4=all	**0**	[0 to 4]
Run GradCal Test: 0=off, 1=on	**0**	[0 to 1]
ASC Analysis: 0=off, 1=immediate, 2=queued	**0**	[0 to 2]
	[Accept]	
SCANNING RANGE		
FOV	**[48]**	
Slice Thickness	**[4]**	
Spacing	**0**	
Start	**0**	
End	**0**	
# of Slices	1 (default)	
L/R Center	0 (default)	
P/A Center	0 (default)	
Table Delta	0.00 (default)	

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[128]**
NEX	**[1]**
Freq Dir	**[>] [R/L]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.26.1 SST Head Full Power

SCAN OPTION	INPUT		
PATIENT REGISTER	**[New Pt]**		
PATIENT INFORMATION			
Patient Id	**geservice**		
Patient Name	**sst head**		
Weight (Lb)	**111**		
	[Landmark]		
Landmark	**[>] [Sternal Notch]**		
PATIENT PROTOCOLS	**[Patient Position]**		
PATIENT POSITION			
Patient Position	**[>] [Supine]**		
Patient Entry	**[>] [Head First]**		
Coil	**[...] [Body] [Accept]**		
IMAGING PARAMETERS			
Plane	**[>] [Axial]**		
Mode	**[>] [2D]**		
Pulse Seq	**[...] [Spin Echo] [Accept]**		
Imaging Options	none (default)		
Psd Name	**sst**		
Protocol	no entry		
ADDITIONAL PARAMETERS	**[USER CVs]**		
USER CONTROL VARIABLES			
Stab: -1=RF, <1,2,3>=<x,y,z>w, w/o Grad, 4=all	**[4]**	[-1 to 4]	
RF S/N: 1=on, -1=Noise only	**[1]**	[-1 to 1]	
RF Linearity: 1=on, 0=off	**[1]**	[0 or 1]	
Grad Bits: 1=on	**[1]**	[0 or 1]	
RF Bits: 1=on	**[1]**	[0 or 1]	
Coil/Sample: 2=O/N, 3=U/N	**[See Note 1]**	[2 or 3]	
Rcv Coil: 1=h, 2=b, 3=s, 4=t	**[1]**	[1 to 4]	
Configcode:	**[0]**	[-3.40282e+38 to 3.40282e+38]	
ASC Analysis: 0=off, 1=immediate, 2=queued	**[0]**	[0 to 2]	
Auto GradAmp Ctrl: 1=on 0=off	**[1]**	[0 or 1]	
	[Accept]		

(lowest window) **[Save Series]**

Note 1: You must select proper *Coil/Sample* value as follows: **2** = O/N (original sst coil/$NiCl_2$ sample), **3** = U/N (universal sst coil/$NiCl_2$ sample).

o.26.2 SST Body Full Power

SCAN OPTION	INPUT		
PATIENT REGISTER	**[New Pt]**		
PATIENT INFORMATION			
Patient Id	**geservice**		
Patient Name	**sst body**		
Weight (Lb)	**111**		
	[Landmark]		
Landmark	**[>] [Sternal Notch]**		
PATIENT PROTOCOLS	**[Patient Position]**		
PATIENT POSITION			
Patient Position	**[>] [Supine]**		
Patient Entry	**[>] [Head First]**		
Coil	**[...] [Body] [Accept]**		
IMAGING PARAMETERS			
Plane	**[>] [Axial]**		
Mode	**[>] [2D]**		
Pulse Seq	**[...] [Spin Echo] [Accept]**		
Imaging Options	none (default)		
Psd Name	**sst**		
Protocol	no entry		
ADDITIONAL PARAMETERS	**[USER CVs]**		
USER CONTROL VARIABLES			
Stab: -1=RF, <1,2,3>=<x,y,z>w, w/o Grad, 4=all		**[4]**	[-1 to 4]
RF S/N: 1=on, -1=Noise only		**[1]**	[-1 to 1]
RF Linearity: 1=on, 0=off		**[1]**	[0 or 1]
Grad Bits: 1=on		**[1]**	[0 or 1]
RF Bits: 1=on		**[1]**	[0 or 1]
Coil/Sample: 2=O/N, 3=U/N		**[See Note 1]**	[2 or 3]
Rcv Coil: 1=h, 2=b, 3=s, 4=t		**[2]**	[1 to 4]
Configcode:		**[0]**	[-3.40282e+38 to 3.40282e+38]
ASC Analysis: 0=off, 1=immediate, 2=queued		**[0]**	[0 to 2]
Auto GradAmp Ctrl: 1=on 0=off		**[1]**	[0 or 1]
		[Accept]	

(lowest window) **[Save Series]**

Note 1: You must select proper *Coil/Sample* value as follows: **2** = O/N (original sst coil/$NiCl_2$ sample), **3** = U/N (universal sst coil/$NiCl_2$ sample).

o.26.3 SST Multicoil Test

SCAN OPTION	**INPUT**
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**sst mc**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Phased Array]]**
	See *Coil Choices* below **[Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**sst**
Protocol	no entry
ADDITIONAL PARAMETERS	**[USER CVs]**
USER CONTROL VARIABLES	

Stab: -1=RF, <1,2,3>=<x,y,z>w, w/o Grad, 4=all	**[0]**	[-1 to 4]
RF S/N: 1=on, -1=Noise only	**[1]**	[-1 to 1]
RF Linearity: 1=on, 0=off	**[0]**	[0 or 1]
Grad Bits: 1=on	**[0]**	[0 or 1]
RF Bits: 1=on	**[1]**	[0 or 1]
Coil/Sample: 2=O/N, 3=U/N	**[3]**	[2 or 3]
Rcv Coil: 1=h, 2=b, 3=s, 4=t	**[1]**	[1 to 4]
Configcode:	**[0]**	[-3.40282e+38 to 3.40282e+38]
ASC Analysis: 0=off, 1=immediate, 2=queued	**[0]**	[0 to 2]
Auto GradAmp Ctrl: 1=on 0=off	**[0]**	[0 or 1]
	[Accept]	

(lowest window)	**[Save Series]**
COIL CHOICES	
CTL TOP	**[For coil channels 2, 3, 4, 5]**
CTL BOT	**[For coil channels 6, 7]**

o.26.4 SST Solid-state Driver Mode

SCAN OPTION	INPUT		
PATIENT REGISTER	**[New Pt]**		
PATIENT INFORMATION			
Patient Id	**geservice**		
Patient Name	**sst ss drvr**		
Weight (Lb)	**111**		
	[Landmark]		
Landmark	**[>] [Sternal Notch]**		
PATIENT PROTOCOLS	**[Patient Position]**		
PATIENT POSITION			
Patient Position	**[>] [Supine]**		
Patient Entry	**[>] [Head First]**		
Coil	**[...] [Body] [Accept]**		
IMAGING PARAMETERS			
Plane	**[>] [Axial]**		
Mode	**[>] [2D]**		
Pulse Seq	**[...] [Spin Echo] [Accept]**		
Imaging Options	none (default)		
Psd Name	**sst**		
Protocol	no entry		
ADDITIONAL PARAMETERS	**[USER CVs]**		
USER CONTROL VARIABLES			
Stab: -1=RF, <1,2,3>=<x,y,z>w, w/o Grad, 4=all		**[4]**	[-1 to 4]
RF S/N: 1=on, -1=Noise only		**[1]**	[-1 to 1]
RF Linearity: 1=on, 0=off		**[1]**	[0 or 1]
Grad Bits: 1=on		**[0]**	[0 or 1]
RF Bits: 1=on		**[0]**	[0 or 1]
Coil/Sample: 2=O/N, 3=U/N		**[3]**	[2 or 3]
Rcv Coil: 1=h, 2=b, 3=s, 4=t		**[1]**	[1 to 4]
Configcode:		**[2]**	[-3.40282e+38 to 3.40282e+38]
ASC Analysis: 0=off, 1=immediate, 2=queued		**[0]**	[0 to 2]
Auto GradAmp Ctrl: 1=on 0=off		**[0]**	[0 or 1]
		[Accept]	
(lowest window)	**[Save Series]**		

o.26.5 SST True Head Mode

SCAN OPTION	INPUT		
PATIENT REGISTER	**[New Pt]**		
PATIENT INFORMATION			
Patient Id	**geservice**		
Patient Name	**sst true head**		
Weight (Lb)	**111**		
	[Landmark]		
Landmark	**[>] [Sternal Notch]**		
PATIENT PROTOCOLS	**[Patient Position]**		
PATIENT POSITION			
Patient Position	**[>] [Supine]**		
Patient Entry	**[>] [Head First]**		
Coil	**[...] [Head] [Accept]**		
IMAGING PARAMETERS			
Plane	**[>] [Axial]**		
Mode	**[>] [2D]**		
Pulse Seq	**[...] [Spin Echo] [Accept]**		
Imaging Options	none (default)		
Psd Name	**sst**		
Protocol	no entry		
ADDITIONAL PARAMETERS	**[USER CVs]**		
USER CONTROL VARIABLES			
Stab: -1=RF, <1,2,3>=<x,y,z>w, w/o Grad, 4=all		**[4]**	[-1 to 4]
RF S/N: 1=on, -1=Noise only		**[1]**	[-1 to 1]
RF Linearity: 1=on, 0=off		**[1]**	[0 or 1]
Grad Bits: 1=on		**[0]**	[0 or 1]
RF Bits: 1=on		**[0]**	[0 or 1]
Coil/Sample: 2=O/N, 3=U/N		**[3]**	[2 or 3]
Rcv Coil: 1=h, 2=b, 3=s, 4=t		**[1]**	[1 to 4]
Configcode:		**[0]**	[-3.40282e+38 to 3.40282e+38]
ASC Analysis: 0=off, 1=immediate, 2=queued		**[0]**	[0 to 2]
Auto GradAmp Ctrl: 1=on 0=off		**[0]**	[0 or 1]
		[Accept]	
(lowest window)	**[Save Series]**		

o.27.1 RFS Head

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**rfs**
Weight (Lb)	**300**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**pcal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[500]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**0**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[256]**
NEX	**[2]** (1:43)
Freq Dir	**[>] [A/P]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.27.2 RFS Body

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**rfs**
Weight (Lb)	**300**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**pcal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[500]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**0**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[256]**
NEX	**[2]** (1:43)
Freq Dir	**[>] [R/L]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.28.1 Full Field Distortion (Sagittal)

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**ffd**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[25]**
TR.	**[300]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[20]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
P/A Center	0 (default)
I/S Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[256]**
NEX	**[1]** (1:23)
Phase FOV	1:00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.28.2 Full Field Distortion (Coronal Localizer)

SCAN OPTION	INPUT
RX MANAGER	**[New Series]** (If this procedure is Being performed immediately after The Sagittal series, otherwise click **[New Pt]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[20]**
TR.	**[150]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[20]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
R/L Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[128]**
NEX	**[1]** (0:24)
Phase FOV	1:00 (default)
Freq Dir	**[>] [R/L]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

o.28.3 Full Field Distortion (Coronal)

SCAN OPTION	INPUT
RX MANAGER	**[New Series]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[25]**
TR.	**[300]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[20]**
Spacing	**[1.5]**
Start	See procedure
End	See procedure
# of Slices	1 (default)
S/I Center	0 (default)
R/L Center	0 (default)
Table Delta	0.00 (default)
ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[256]**
NEX	**[1]** (1:23)
Phase FOV	1:00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

o.29.1 Noise Floor (Head)

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**noise floor**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
Imaging Options	**[...] [Sequential]**
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[9]**
TR.	**[20]**
Flip Angle	**[10]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[256]**
NEX	**[1]** (0:05)
Phase FOV	1:00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.29.2 Noise Floor (Body)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area.
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	On new series to activate it
	See Note
PATIENT POSITION	
Coil	**[...] [Body] [Accept]**
(lowest window	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.30.1 Carrier Leakage

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**carrier leak**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
Imaging Options	**[...] [Sequential]**
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[16]**
TR.	**[35]**
Flip Angle	**[30]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[40]**
Slice Thickness	**[5]**
Spacing	**[2.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq.	**[256]**
Phase	**[128]**
NEX	**[1]** (0:05)
Phase FOV	1:00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq.	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.31.1 Respiratory Compensation

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**resp bellows**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [Respiratory Compensation] [Accept]**
Psd Name	none
Protocol	no entry

It is not necessary to enter the remainder of scan protocol for this procedure.

o.32.1 Gradcal-X (DQA-III)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**gradcal**
Weight (Lb)	**111**
Extra Description	**dqa xfield cal** (See Note 1)
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[25]**
TR.	**[300]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[3]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[512]**
Phase	**[256]**
NEX	**[1]** (1:20)
Phase FOV	1 (default)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **[Save Series]**

Note 1: The Exam Description name must be exact because it is used by the automated analysis tool (Daily Quality).

o.32.2 Gradcal-Y (DQA-III)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**gradcal**
Weight (Lb)	**111**
Exam Description	**dqa yfield cal** (See Note 1)
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[25]**
TR.	**[300]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[3]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[512]**
Phase	**[256]**
NEX	**[1]** (1:20)
Phase FOV	1 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

Note 1: The Exam Description name must be exact because it is used by the automated analysis tool (Daily Quality).

o.32.3 Gradcal-Z (DQA-III)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**gradcal**
Weight (Lb)	**111**
Exam Description	**dqa zfield cal** (See Note 1)
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[25]**
TR.	**[300]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[3]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[512]**
Phase	**[256]**
NEX	**[1]** (1:20)
Phase FOV	1.00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

Note 1: The Exam Description name must be exact because it is used by the automated analysis tool (Daily Quality).

o.33.1 Body EPIWP Base Z

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**epiwp body z**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [EPI]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Shots	**[8]**
TE.	**[Min Full]**
TR.	**[6000]**
Bandwidth	**[62.50]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[10]**
A/P Start	**[P20]**
A/P End	**[A20]**
# of Slices	3 (default)
S/I Center	0 (default)
R/L Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING

Freq	**[128]**
Phase	**[64]**
NEX	**[1]** (0:06)
Phase FOV	**[1]**
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] [Water]**

(lowest window) **[Save Series]**

o.34.1 Body EPIWP Base Y

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**epiwp body y**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [EPI]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Shots	**[8]**
TE.	**[Min Full]**
TR.	**[6000]**
Bandwidth	**[62.50]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[10]**
R/L Start	**[L20]**
R/L End	**[R20]**
# of Slices	3 (default)
P/A Center	0 (default)
I/S Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[128]**
Phase	**[64]**
NEX	**[1]** (0:06)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Water]**
(lowest window)	**[Save Series]**

o.35.1 Body EPIWP Base X

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**epiwp body x**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [EPI]**
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Shots	**[8]**
TE.	**[Min Full]**
TR.	**[6000]**
Bandwidth	**[62.50]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[10]**
Spacing	**[10]**
S/I Start	**[I20]**
S/I End	**[S20]**
# of Slices	3 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[128]**
Phase	**[64]**
NEX	**[1]** (0:06)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Water]**

(lowest window) **[Save Series]**

o.36.1 Correlated Noise (256 matrix)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**corr noise**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
Imaging Options	**[...] [Sequential]**
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[10]**
TR	**[20]**
Flip Angle	**[10]**
Bandwidth	**[>] 15.63**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[1]** (0:05)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	[**Save Series]**
[Research Operations]	**[Setup Params]**
R1	**11**
R2	**15**
TG	**0**
Number of Frames	**[2]**
	[Done]

o.36.2 Correlated Noise (512 matrix)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area.
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	on new series to activate it.
	See Note
SCAN TIMING	
Bandwidth	**[>] 31.25**
SCANNING RANGE	
FOV	**[20]**
ACQUISITION TIMING	
Freq	**[512]**
(lowest window)	**[Save Series]**
RX MANGER	**[Prepare to Scan]**

Note: Only values different from previous series shown. All other values should be the same as the previous series.

o.36.3 Multicoil Correlated Noise

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**mc corr noise**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Phased Array] [CTLMID]** or **[Pelvic] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
Imaging Options	**[...] [Sequential]**
Psd Name	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[10]**
TR	**[31]**
Flip Angle	**[10]**
Bandwidth	**[>] 31.25**
SCANNING RANGE	
FOV	**[20]**
Slice Thickness	**[5]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[512]**
Phase	**[256]**
NEX	**[1]** (0:06)
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**
[Research Operations]	**[Setup Params]**
R1	**11**
R2	**15**
TG	**0**
Number of Frames	**[2]**
	[Done]
[Research Operations]	**[Display CVs]**
CV Name:	**saveinter <Enter>**
Set value to:	**1 <Enter>** (Note 1)
	[Accept]

Note 1: Setting this CV to 1 generates five images for each single multi-coil scan. Images 1 to 4 will correspond to data from Receivers 0 to 3. Therefore, Image 1 is reconstructed from Receiver 0 data. Image 5 is the combined and processed data from all 4 Receivers. This is the same image normally observed when saveinter = 0.

o.36.4 EPI Correlated Noise

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**fast rcvr corr noise**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	**[...] [EPI]**
Psd Name	no entry
Protocol	default
ADDITIONAL PARAMETERS	**[USER CVs]** (1.5T only)
USER CONTROL VARIABLES	
Ramp Sampling: 1=on, 0=off	**0** (0 or 1)
SCAN TIMING	
# of Shots	**1**
TE	**[Min Full]**
TR	**[2000]**
Bandwidth	**[15.63]**
SCANNING RANGE	
FOV	**[99]**
Slice Thickness	**[10]**
Spacing	**[10]**
Start	**0**
End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[1]** (0:02)
Phase FOV	1.00 (default)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Peak]**
Autoshim	**no** (Verify)
Phase Correct	**no** (Verify)
(lowest window)	**[Save Series]**

o.37.1 Body Slice Thickness (Sagittal, 3mm)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**body slice thick**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[300]**
Bandwidth	**[7.81]**
SCANNING RANGE	
FOV	**[20]**
Slice Thickness	**[3]**
Spacing	**[77]**
R/L Start	**[R80]**
R/L End	**[L80]**
# of Slices	3 (default)
P/A Center	0 (default)
I/S Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[4]**
Phase FOV	1.00 (default)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.37.2 Body Slice Thickness (Sagittal, 5mm)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it See Note 1
SCANNING RANGE	
Slice Thickness	**[5]**
Spacing	**[75]**
(lowest window)	**[Save Series]**
RX MANGER	**[Prepare to Scan]**

Note: 1. Only values different from previous series are shown. All other values Should be the same as the previous series.

o.37.3 Body Slice Thickness (Sagittal, 10mm)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area.
	Press right mouse button, then
	[Copy Series], [Paste Series].
	Double-click left mouse button
	On new series to activate it
	See Note 1
SCANNING RANGE	
Slice Thickness	**[10]**
Spacing	**[70]**
(lowest window)	**[Save Series]**
RX MANGER	**[Prepare to Scan]**

Note: 1. Only values different from previous series are shown. All other values Should be the same as the previous series.

o.37.4 Body Slice Thickness (Localizer)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note
SCANNING RANGE	
Slice Thickness	**[3]**
Spacing	**[1.5]**
Start	**0**
End	**0**
# of Slices	**1**
AQUISTION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[1]**
Phase FOV	1.00 (default)
Freq Dir	**[>] [S/I]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series are shown. All other values Should be the same as the previous series.

o.37.5 Body Slice Thickness (Coronal, 3mm)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note.
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
SCANNING RANGE	
Spacing	**[77]**
AQUISTION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[4]**
Phase FOV	1.00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] {Peak]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series are shown. All other values Should be the same as the previous series.

o.37.6 Body Slice Thickness (Coronal, 5mm)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note1.
SCANNING RANGE	
Slice Thickness	**[5]**
Spacing	**[75]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note 1: Only values different from previous series are shown. All other values Should be the same as the previous series.

o.37.7 Body Slice Thickness (Coronal, 10 mm)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it See note 1.
SCANNING RANGE	
Slice Thickness	**[10]**
Spacing	**[70]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note 1: Only values different from previous series are shown. All other values Should be the same as the previous series.

o.38.1 Geometry Verification (Coronal)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**gradient polarity** (See Note 1)
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Coronal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE.	**[20]**
TR.	**[300]**
Bandwidth	**15.63**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[10]**
Spacing	**[1.5]**
A/P Start	**0**
A/P End	**0**
# of Slices	1 (default)
S/I Center	0 (default)
R/L Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[1]**
Phase FOV	1:00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

Note 1: The Exam Description name must be exact because it is used by the automated analysis tool (Daily Quality).

o.38.2 Geometry Verification (Axial)

SCAN OPTION	INPUT
RX MANAGER .	Place cursor in Series list area. Press right mouse button, then **[Copy Series], [Paste Series].** Double-click left mouse button on new series to activate it. See Note 1.
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
SCANNING RANGE	
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
ACQUISITION TIMING	
Freq Dir	**[>] [R/L]**
(lowest window)	**[Save Series]**
RX MANAGER	**[Prepare to Scan]**

Note: Only values different from previous series are shown. All other values should be the same as the previous series.

o.39.1 FID Tuning

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**fid**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	**4**
TE	**[20]**
TR	**[250]**
Band Width	**[15.63]**
Band Width 2	**[15.63]**
SCANNING RANGE	
FOV	**[40]**
Slice Thickness	**[15]**
Spacing	**[1.5]**
R/L Start	**0**
R/L End	**0**
# of Slices	1 (default)
P/A Center	0 (default)
I/S Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[2]**
Phase FOV	1.00 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.40.1 Gradient Waveforms

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**grad**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	**[4]**
TE	**[25]**
TR	**[1000]**
Bandwidth	**[15.63]**
Bandwidth 2	**[15.63]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[5]**
Spacing	**[1.5]**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[1]** (4:28)
Phase FOV	1.00 (default)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**

o.41.1 Body APB Cal

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**body apb check**
Weight (Lb)	**300** ← *IMPORTANT*
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**cal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[55]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**0**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[2]** (0:52)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**
[Research Operations]	**[Display CVs]**
Modify the following:	
Calmode	**5** (normal rf sinc normal)
1a_rf1	**32766** (sets 90° pulse full-scale)
1a_rf2	**0** (turns off 180° pulse)
	[Accept]
[Research Operations]	**[Setup Params]**
TG	**50**
	[Done]

o.41.2 Head APB Cal

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**head apb check**
Weight (Lb)	**300** ← *IMPORTANT*
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Head] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**cal**
Protocol	no entry
SCAN TIMING	
# of Echoes	1 (default)
TE	**[25]**
TR	**[55]**
SCANNING RANGE	
FOV	**[24]**
Slice Thickness	**[5]**
Spacing	**0**
S/I Start	**0**
S/I End	**0**
# of Slices	1 (default)
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[2]** (0:52)
Freq Dir	**[>] [A/P]**
Auto Center Freq	**[>] [Peak]**
(lowest window)	**[Save Series]**
[Research Operations]	**[Display CVs]**
Modify the following:	
calmode	**5** (normal rf sinc normal)
1a_rf1	**32766** (sets 90° pulse full-scale)
1a_rf2	**0** (sets 180° pulse to small-scale)
	[Accept]
[Research Operations]	**[Setup Params]**
TG	**50**
	[Done]

o.42.1 Bandpass Asymmetry Correction Compensation (BACC)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**bacc**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none (default)
Psd Name	**bat**
Protocol	no entry

(lowest window) **[Save Series]**

o.43.1 Center Frequency

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**center frequency**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Sagittal]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none
Psd Name	none
Protocol	no entry
SCAN TIMING	
# of Echoes	**[4]**
TR	**[250]**
Bandwidth	**[15.00]**
Bandwidth2	no entry
SCANNING RANGE	
FOV	**[40]**
Slice Thickness	**[15]**
Spacing	**[1.5]**
R/L Start	**0**
R/L End	**0**
# of Slices	1 (default)
P/A Center	0 (default)
I/S Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[256]**
NEX	**[2]**
Phase FOV	1 (default)
Freq Dir	**[>] [S/I]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **[Save Series]**

o.46.1 Spike Noise (C Class)

SCAN OPTION	INPUT
PATIENT REGISTER .	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**spike noise**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Sternal Notch]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Body] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Gradient Echo] [Accept]**
Imaging Options	**[...] [Sequential] [Accept]**
Psd Name	no entry
Protocol	no entry
SCAN TIMING	
# of Echoes	**[1]**
TE	**[9]**
TR	**[33]**
Flip Angle	**[30]**
Bandwidth	**[15.63]**
SCANNING RANGE	
FOV	**[48]**
Slice Thickness	**[3]**
Spacing	**[1.5]**
S/I Start	**[I60]**
S/I End	**[S60]**
# of Slices	**[60]**
L/R Center	0 (default)
P/A Center	0 (default)
Table Delta	0.00 (default)

ACQUISITION TIMING	
Freq	**[256]**
Phase	**[128]**
NEX	**[1]**
Phase FOV	1 (default)
Freq Dir	**[>] [R/L]**
Auto Center Freq	**[>] [Peak]**

(lowest window) **[Save Series]**

o.47.1 ECMT

SCAN OPTION	INPUT
PATIENT REGISTER	**[New Pt]**
PATIENT INFORMATION	
Patient Id	**geservice**
Patient Name	**ecmt**
Weight (Lb)	**111**
	[Landmark]
Landmark	**[>] [Nasion]**
PATIENT PROTOCOLS	**[Patient Position]**
PATIENT POSITION	
Patient Position	**[>] [Supine]**
Patient Entry	**[>] [Head First]**
Coil	**[...] [Surface] [geserviceRcv] [Accept]**
IMAGING PARAMETERS	
Plane	**[>] [Axial]**
Mode	**[>] [2D]**
Pulse Seq	**[...] [Spin Echo] [Accept]**
Imaging Options	none
Psd Name	**[ecmt1]**
Protocol	no entry

It is not necessary to enter the remainder of scan protocol for this procedure.

REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
0	August 9, 2000	R. Liu	Update protocols from 8x version to OpenSpeed per bay and target validation