

NV Array Coil Config Change for NV Array Coil M3 site

Effectivity:

Signa Ovation NV Array Coil M3 Site
 (Rev1 SV Doc and Rev1 OP Manual are attached with the M3 NV Array Coil)

Overview

cfoption value of NV array Coil Config was modified from M3 NV array coil.
 Following cfoption will be available by new cfoption value.

TABLE 1
MFO NV ARRAY COIL CFOPTION LIST.

	NV PA-Head	NV PA-Neck	NV PA-Both
Fat/Water	Available	Available	Not Available
Chem Sat	Available	Not Available	Not Available
SSDWI	Available	Not Available	Not Available
LSDI	Available	Not Available	Not Available

Procedure:

Check if NV Array coil config is registered or not. If coil config of NV array coil was already registered, check the cfoption value of NV Array coil config. If cfoption value is old, update the cfoption value.
 Refer to Signa Ovation Service Methods CD-ROM (Surface Coil / Setup and Calibration / Coil Config File Update) or SV Document attached to NV Array Coil to use Coil Config Edit.

TABLE 2
CFOPTION VALUE.

	Old value	New value
NV PA-Head	11	31
NV PA-Neck	11	1
NV PA-Both	11	0

Procedure(continued):

If coil config of NV array coil is not registered yet, refer to the following table and register the coil configuration. Refer to Signa Ovation Service Methods CD-ROM (Surface Coil / Setup and Calibration / Coil Config File Update) or SV Document attached to NV Array Coil to use Coil Config Edit.

TABLE 3
COIL CONFIG FOR NV ARRAY COIL

CoilConfig	CoilConfig in config manager	NV PA-Both	NV PA-Head	NV PA-Neck
coilName	Coil Name			
coilType	Coil Type	3	3	3
extremity	Extremity Coil	no	no	no
cableLoss	Cable Loss	1	1	1
coilLoss	CoilLoss	1.165	1.165	1.165
reconScale	Recon Scale Factor	1.0	1.0	1.0
linearQuad	Linear(0) vs. Quadrature(1)	1	1	1
multiCoil	Multiple Receiver Coil?	yes	yes	yes
numRec	Number of Receivers	4	2	2
startRec	Starting Receiver ID	0	0	2
endRec	Ending Receiver ID	3	1	3
mcPortEnable	Multi-Coil Port Enable	6	6	6
mcErrorEnable	Multi-Coil Port Error Enable	6	6	6
xmitAtten	Additional transmit attenuation	0	0	0
numFastRec	Number of Fast Receivers	0	0	0
startFastRec	Starting Fast Receiver ID	4	4	4
endFastRec	Ending Fast Receiver ID	4	4	4
fastTGstartTA	Fast TG Start TA	90	90	90
fastTGstartRG	Fast TG Start RG	12	12	12
mcReconEnable	Multi Coil Recon Enable	0	0	0
autoshimRcvr	Phased Array T/R Coil for Autoslim	-1	-1	-1
headDefaultFreqDir	Head Default Freq Dir	1	1	0
scic_a (*)	SCIC++parameters for axial plane	0	0	0
scic_s (*)	SCIC++parameters for sagittal plane	0	0	0
scic_c (*)	SCIC++parameters for coronal plane	0	0	0
mcCoilSeparationDir (*)	Multi-coil Separation direction	0	0	0
coilCode	Coil Code	NV	NV	NV
mcChannelSel	Multi Coil Channel Selection	60	12	60
ATTN_Q	Attenuation-Q	0	0	0
ATTN_I	Attenuation-I	0	0	0
quadRotation	Select Quadrature Shifter	0	0	0
quadRcvCoil	quadRcvCoil	0	0	0
cfoption	cfoption	0	31	1
mcSwitchSel (*)	mcSwitchSelect	0	0	0

Note: Please register all three kinds of Coil Name.

Note: Refer to the manual attached to the NV Array Coil to register COIL CONFIG EDIT.

(*): These parameters are added from MFO3 M3 Software

Discard the coil config list attached with the NV Array Coil.

This information will be updated in Service manual and Operator manual by FW40, 2002(MFO NV Array Coil M4).

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