

MR Pulse Sequence Validation Form - Developer

Sequence name		Programming platform	Platform
Description		Author(s)	
		Contact info	
		Date	

Part 1: Sequence Information

Sequence Support Checklist					Sequence Files List	
Steps	Doc.	Code	Raw data	Images	Sequence Scripts	
Simulation					Sequence Waveforms	
Acquisition						
Reconstruction					Usage Documentation	
Post-processing					Others (specify):	
Safety						

Part 2: Simulation and Safety Checks

Simulation Platform	Platform				Simulation Files List	
Parameters	N		#spins		Documentation	
	Dims		Type		Numerical Phantom	
	Other parameters:				Sequence Files	
Simulated Image					B0 Map	
					BI Map (Tx/Rx)	
					Raw Data	
					Reconstructed Data	
					Safety metrics	
					Others (specify):	

Safety Checks	Simulated Value [unit]	Scanner Value [unit]	Method
SAR			
PNS			
Other (specify):			

Part 3: Acquisition											
Scanner								Acquisition Files List			
RF Coils		Tx		#ch		Rx		#ch		Documentation	
Subject								Sequence Files w/ MD5 hash value			
Sequence Parameters										Raw Data	
Geometry		N		Thk		Slice dir.					
		FOV		#slices		Read dir.					
Contrast		TR		TE		FA		Others (specify):			
Others (specify):											
Part 4: Reconstruction											
Sampling Type								Reconstruction Files List			
Reconstruction Method								Documentation			
								Scripts			
Sample Images & Quality Metrics								k-space trajectory			
								Slice / Phase Reordering			
								Reconstructed data			
								Image files			
								Image quality metrics			
								Others (specify):			
SNRdiff		PSNR		SSIM		Other					
Part 5: Quantitative Mapping and Post-Processing											
Map Type		Specify for "other":						Mapping & post-processing Files List			
Mapping Algorithm								Documentation			
								Mapping Scripts			
Post-Processing Steps								Post-Processing Scripts			
Quantitative Maps & Evaluation								Map data			
								Mapping accuracy metrics			
								Others (specify):			
Map accuracy											