

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												