SIEMENS Healthineers

MAGNETOM Vida

Customer Quality Assurance

Serial Number: 175692

Beth Israel Deaconess

Customer Quality Assurance

Demographical Data					
Customer		**System**		**Service**	
Customer Name		**Product Name**	MAGNETOM Vida	**Service Center Name**	Customer Care Center
Customer ID	400-567654	**Material Number**	11060815	**Street**	Wheeler Road
Hospital Name	Beth Israel Deaconess	**Serial Number**	175692	**Street Number**	200 suite 303
Street	Brookline Ave	**Equipment Number**		**Zip Code**	
Street Number	330	**Modality**	MR	**City**	Boston
Zip Code	02215	**Handed Over Date**	6/28/2018	**District**	
City	Boston	**Software Version**	syngo MR XA11	**Country**	US
District	NorthEast			**Phone**	18008887436
Country	US			**Fax**	
Customer Phone Number	16179759913			**E-Mail**	uptime-services.team @siemens-healthineers.com

Summary		
Function	**Start Time**	**Result**
Coil Check - Spine 32 RS (1100)	5/14/2020 2:59:22 PM	❌ Not OK

1 Coil Check - Spine 32 RS (1100)

1.1 Summary

Summary	
	Status
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP1_Tra	OK
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP2_Tra	❌ Not OK
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP3_Tra	OK
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP4_Tra	OK
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP5_Tra	OK
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP6_Tra	OK
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP7_Tra	❌ Not OK
ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP8_Tra	OK
Program Result	❌ Out of Spec

1.2 Details

1.2.1 Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP1_Tra

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.1.1 Coil: S11
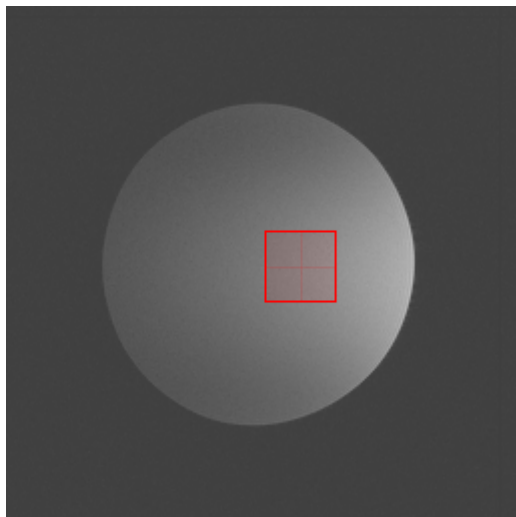
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
47.9

Brightness
Parabola Fit
Tolerance: 300 … 1,200
518

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**441**

1.2.1.2   Coil: S12
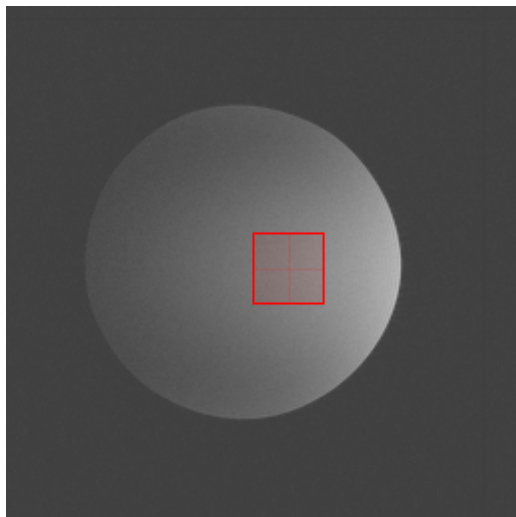
Signal

S/N	
Parabola Fit	Tolerance: ≥ 30.0
41.2	

Brightness
Parabola Fit
475

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**441**

1.2.1.3   Coil: S13
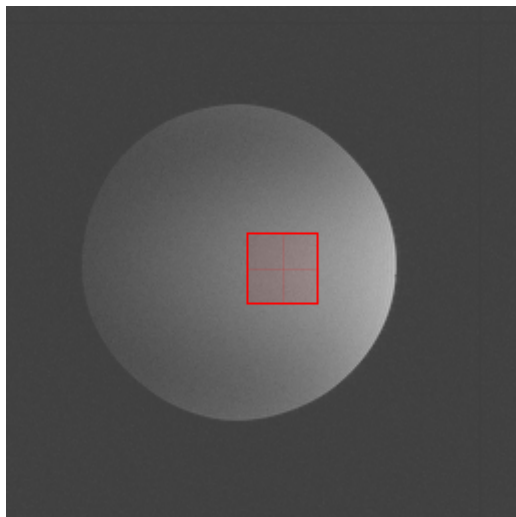
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
36.8

Brightness
Parabola Fit
371

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**441**

1.2.1.4   Coil: S14
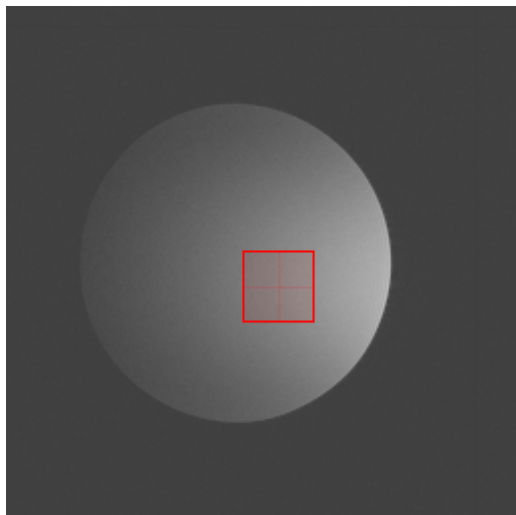
Signal

S/N
Parabola Fit
Tolerance: ≥ 46.0
57.0

Brightness
Parabola Fit
781

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**441**

1.2.2 Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP2_Tra

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.2.1 Coil: S21
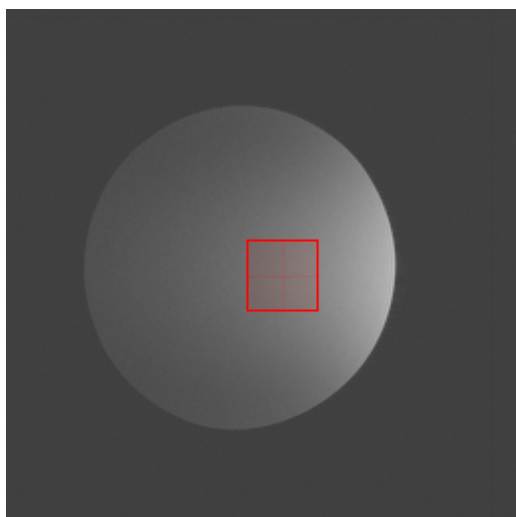
Signal

S/N
Parabola Fit
Tolerance: ≥ 32.0
50.2

Brightness
Parabola Fit
679

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**433**

1.2.2.2   Coil: S22

Signal

S/N
Parabola Fit Tolerance: ≥ 29.0
37.6
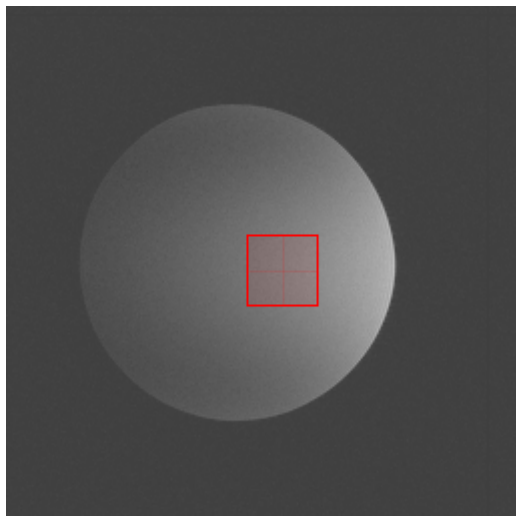
Brightness
Parabola Fit
407

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**433**

1.2.2.3   Coil: S23
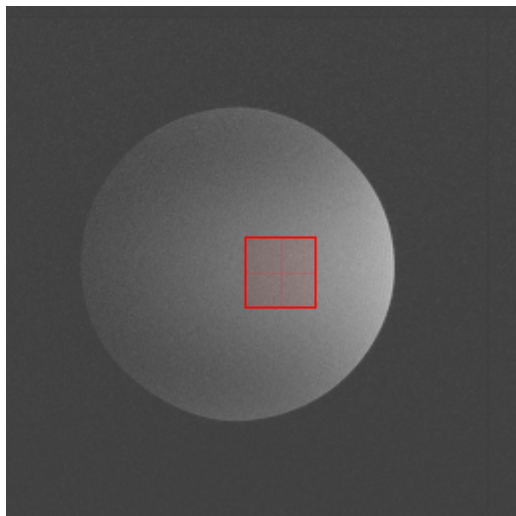
Signal

S/N
Parabola Fit
Tolerance: ≥ 27.0
❌ **23.8**

Brightness
Parabola Fit
388

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**433**

1.2.2.4   Coil: S24
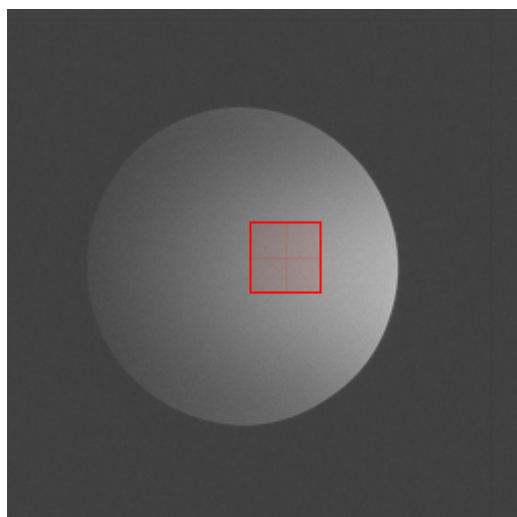
Signal

S/N
Parabola Fit
Tolerance: ≥ 37.0
48.1

Brightness
Parabola Fit
511

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**433**

1.2.3 Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP3_Tra

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.3.1   Coil: S31
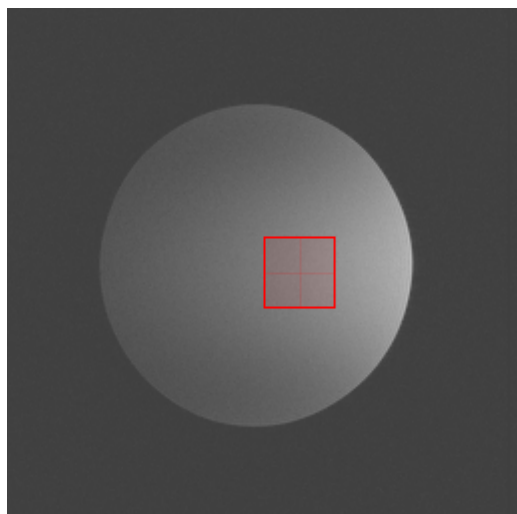
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
48.4

Brightness
Parabola Fit
557

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.3.2   Coil: S32
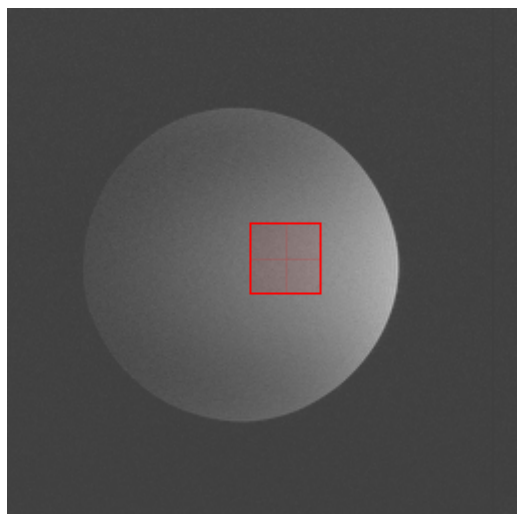
Signal

S/N	
Parabola Fit	
	Tolerance: ≥ 30.0
30.5	

Brightness
Parabola Fit
519

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.3.3   Coil: S33
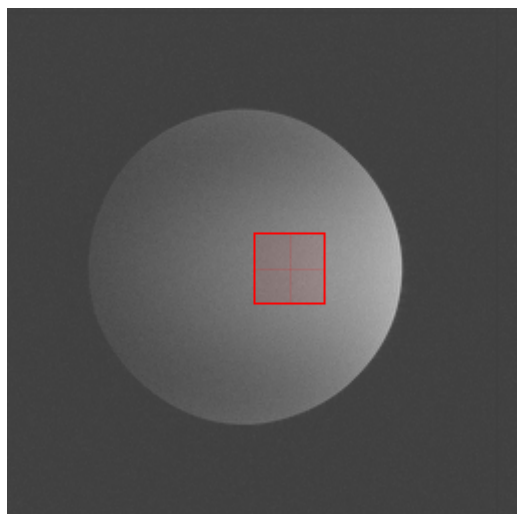
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
37.6

Brightness
Parabola Fit
394

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.3.4   Coil: S34
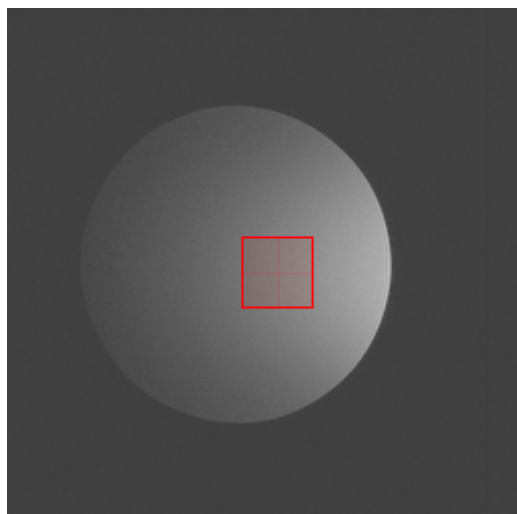
Signal

S/N
Parabola Fit
Tolerance: ≥ 46.0
49.2

Brightness
Parabola Fit
710

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.4 Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP4_Tra

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.4.1 Coil: S41
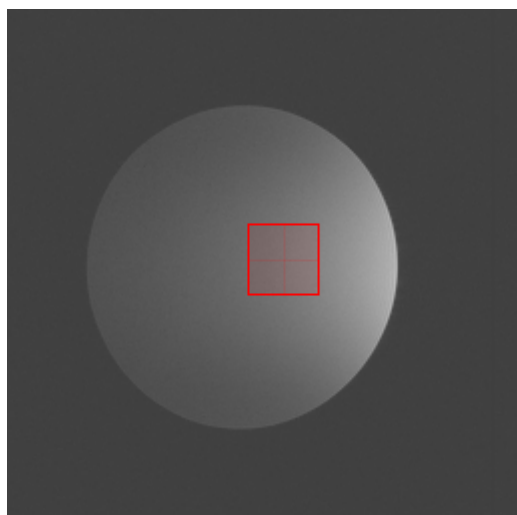
Signal

S/N
Parabola Fit Tolerance: ≥ 32.0
51.2

Brightness
Parabola Fit
682

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.4.2   Coil: S42
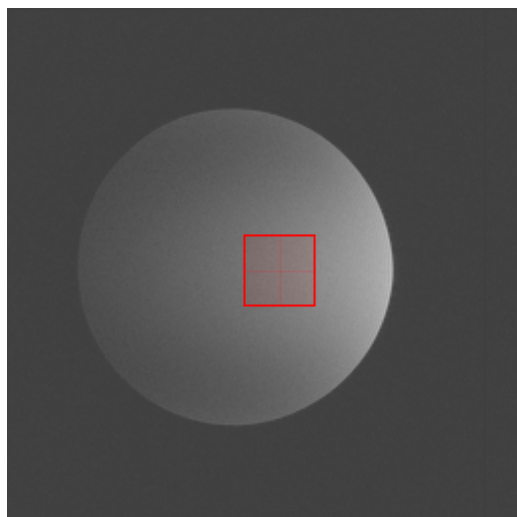
Signal

S/N	
Parabola Fit	Tolerance: ≥ 29.0
38.0	

Brightness
Parabola Fit
394

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.4.3 Coil: S43
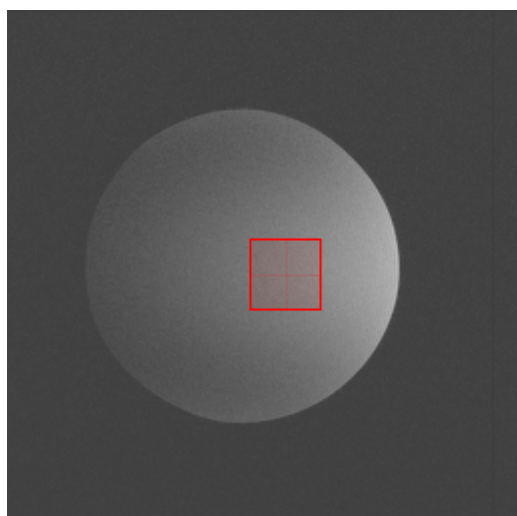
Signal

S/N
Parabola Fit
Tolerance: ≥ 27.0
28.4

Brightness
Parabola Fit
393

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.4.4   Coil: S44
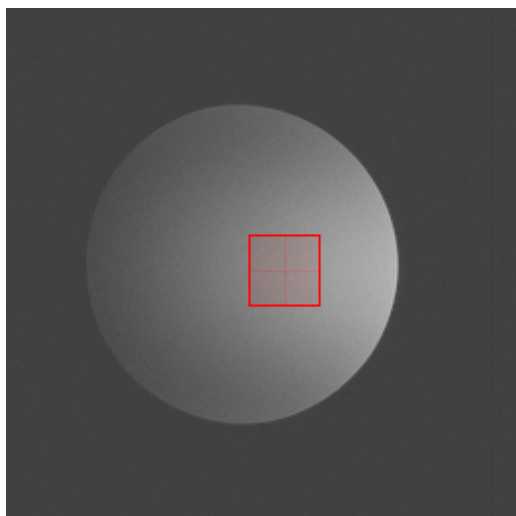
Signal

S/N
Parabola Fit
Tolerance: ≥ 37.0
47.1

Brightness
Parabola Fit
549

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**422**

1.2.5 Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP5_Tra

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.5.1 Coil: S51
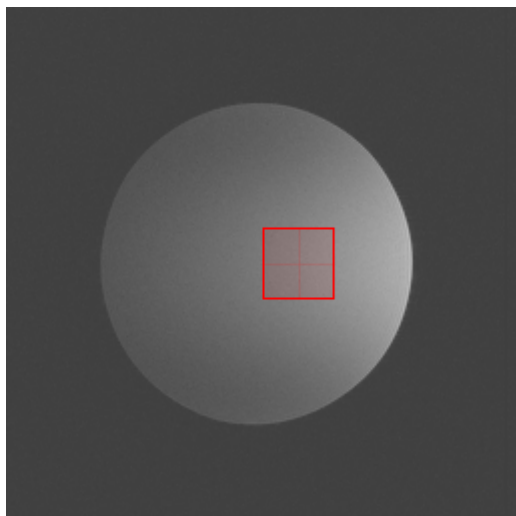
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
48.0

Brightness
Parabola Fit
523

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**420**

1.2.5.2 Coil: S52
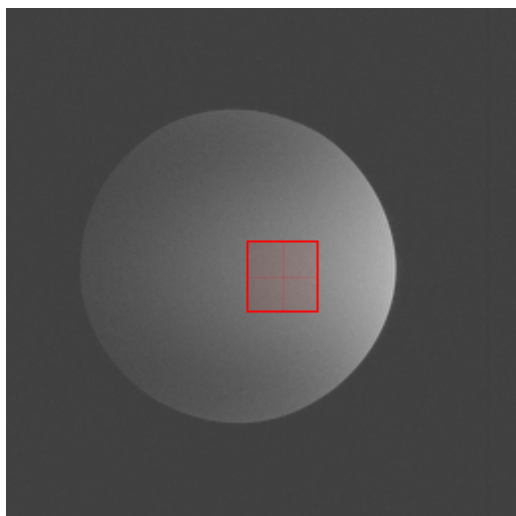
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
42.0

Brightness
Parabola Fit
473

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**420**

1.2.5.3   Coil: S53
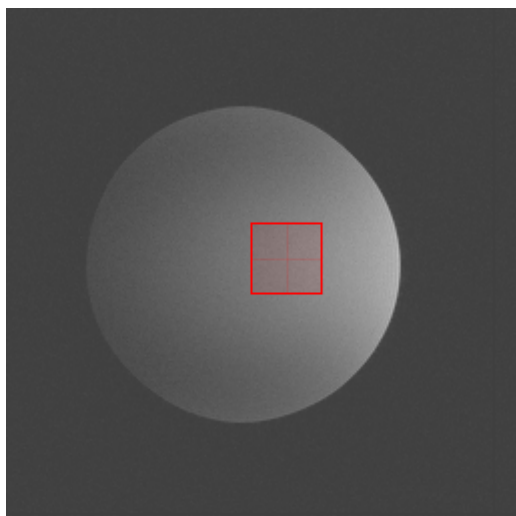
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
34.8

Brightness
Parabola Fit
390

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**420**

1.2.5.4   Coil: S54
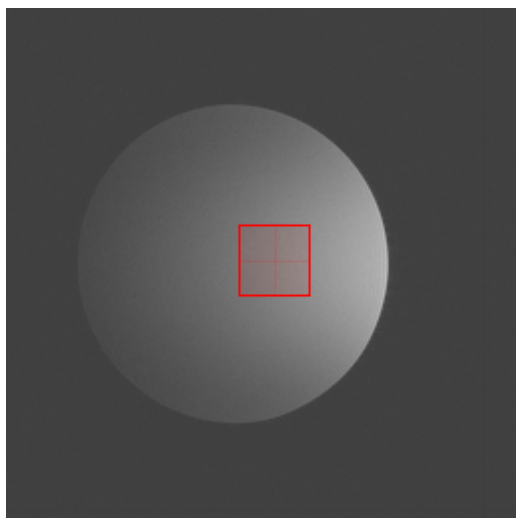
Signal

S/N
Parabola Fit
Tolerance: ≥ 46.0
58.2

Brightness
Parabola Fit
734

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**420**

1.2.6   Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP6_Tra

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.6.1 Coil: S61
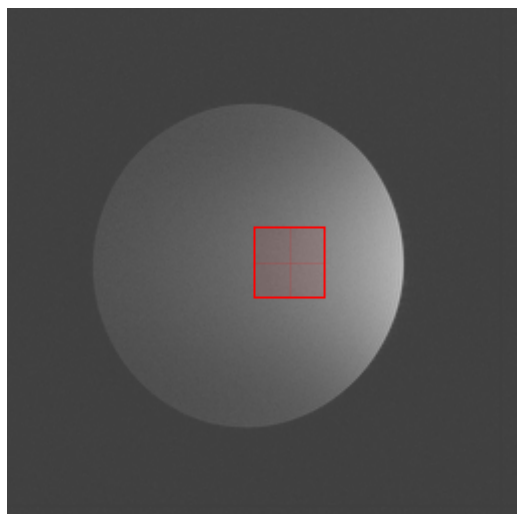
Signal

S/N
Parabola Fit
Tolerance: ≥ 32.0
43.8

Brightness
Parabola Fit
619

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**421**

1.2.6.2   Coil: S62
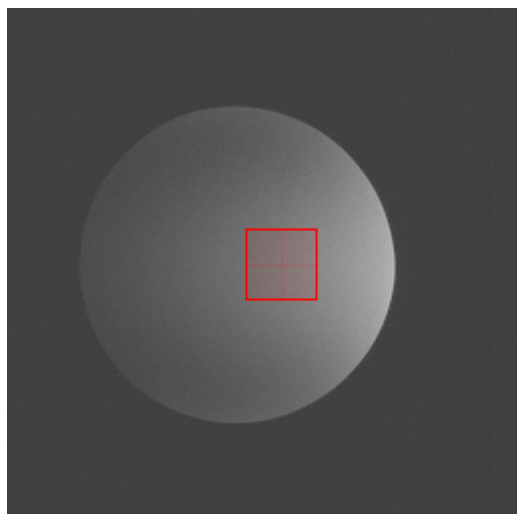
Signal

S/N
Parabola Fit
Tolerance: ≥ 29.0
38.5

Brightness
Parabola Fit
399

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**421**

1.2.6.3 Coil: S63
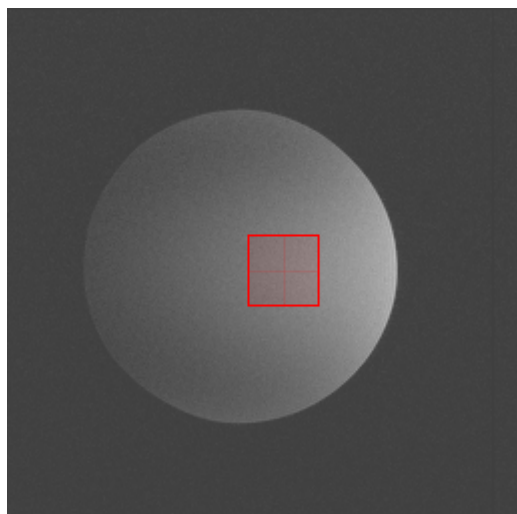
Signal

S/N	
Parabola Fit	
	Tolerance: ≥ 27.0
28.0	

Brightness
Parabola Fit
377

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**421**

1.2.6.4   Coil: S64
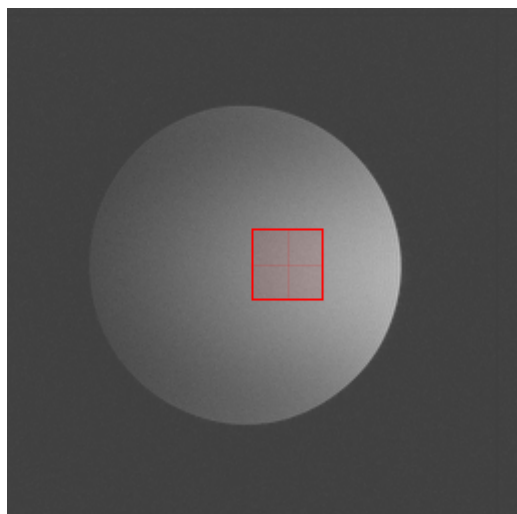
Signal

S/N
Parabola Fit
Tolerance: ≥ 37.0
47.0

Brightness
Parabola Fit
514

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**421**

1.2.7 Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP7_Tra

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.7.1 Coil: S71
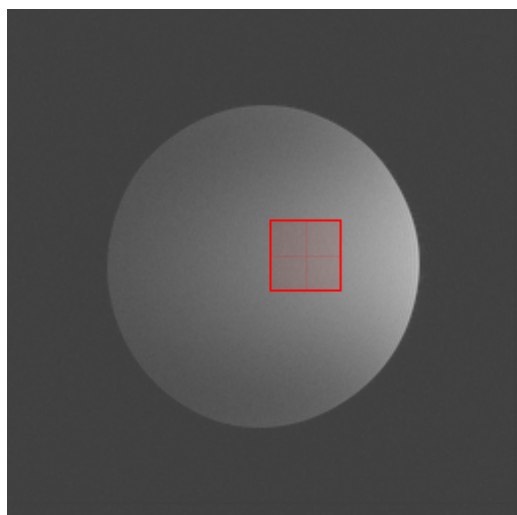
Signal

S/N
Parabola Fit Tolerance: ≥ 30.0
45.7

Brightness
Parabola Fit
523

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**434**

1.2.7.2   Coil: S72
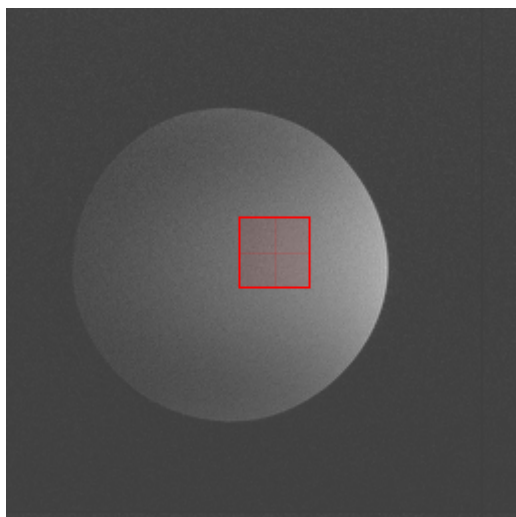
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
❌ **22.9**

Brightness
Parabola Fit
430

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**434**

1.2.7.3   Coil: S73
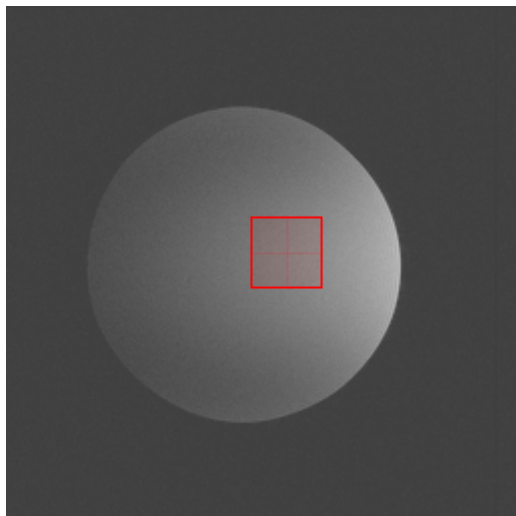
Signal

S/N
Parabola Fit
Tolerance: ≥ 30.0
37.5

Brightness
Parabola Fit
386

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**434**

1.2.7.4   Coil: S74
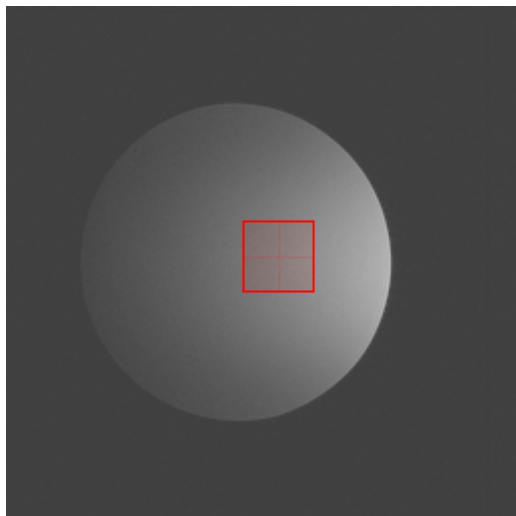
Signal

S/N
Parabola Fit
Tolerance: ≥ 46.0
55.5

Brightness
Parabola Fit
757

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**434**

1.2.8 Protocol: ExamDb:SIEMENS/System/CoilQA/Spine_32_RS/025_Spine_32_RS_SP8_Tra

Respiratory Sensor Level Check				
Sensor	Type	Condition	Result	Tolerance
0	Signal	Loaded	**4,393,952**	4,000,000 … 5,500,000
0	Signal	Unloaded	**4,415,402**	4,000,000 … 5,500,000
0	Signal Difference	Unloaded - Loaded	**21,450**	10,000 … 250,000
0	Noise	Loaded	**65**	≤ 100
0	Noise	Unloaded	**68**	≤ 100
1	Signal	Loaded	**4,639,487**	4,000,000 … 5,500,000
1	Signal	Unloaded	**4,696,209**	4,000,000 … 5,500,000

(continued)

Respiratory Sensor Level Check				
Sensor	Type	Condition	Result	Tolerance
1	Signal Difference	Unloaded - Loaded	**56,723**	10,000 … 250,000
1	Noise	Loaded	**55**	≤ 100
1	Noise	Unloaded	**75**	≤ 100

Coil Info		
Coil ID	Serial Number	Part Number
Spine_32_RS	1100	10835689

1.2.8.1   Coil: S81
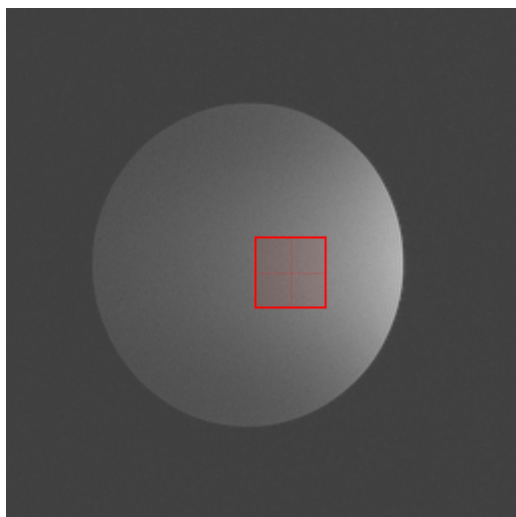
Signal

S/N
Parabola Fit
Tolerance: ≥ 35.0
36.5

Brightness
Parabola Fit
599

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**455**

1.2.8.2   Coil: S82
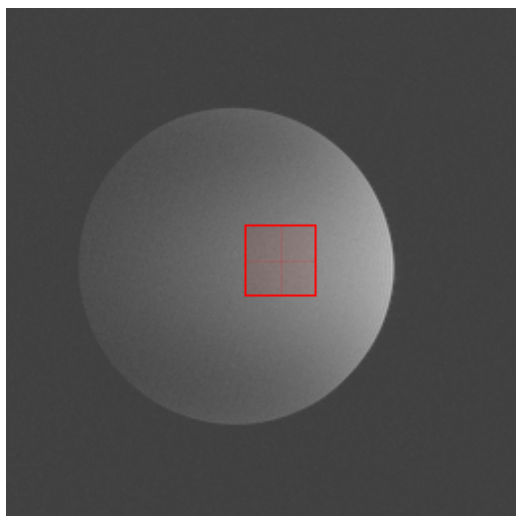
Signal

S/N
Parabola Fit
Tolerance: ≥ 25.0
32.8

Brightness
Parabola Fit
388

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**455**

1.2.8.3   Coil: S83
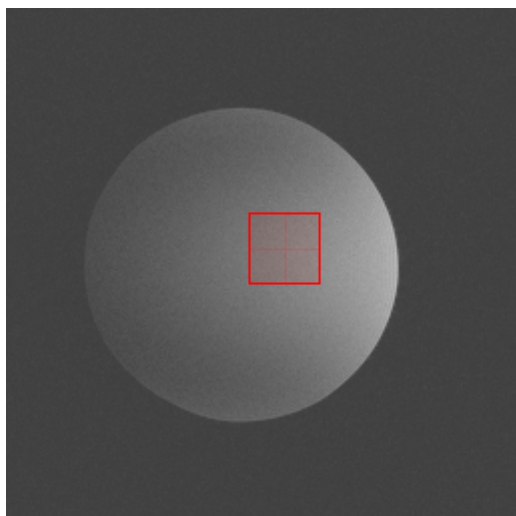
Signal

S/N
Parabola Fit
Tolerance: ≥ 25.0
28.3

Brightness
Parabola Fit
359

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**455**

1.2.8.4   Coil: S84
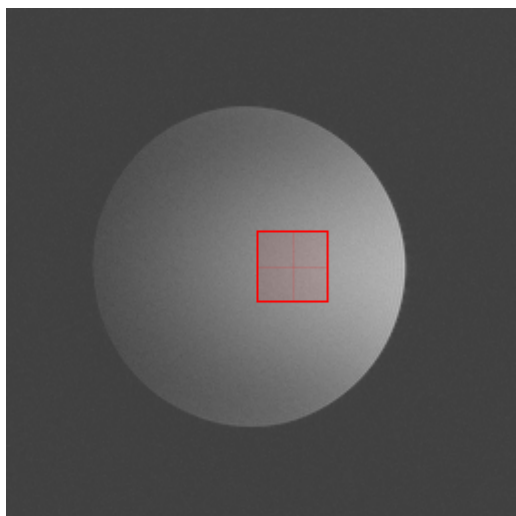
Signal

S/N
Parabola Fit
Tolerance: ≥ 35.0
47.0

Brightness
Parabola Fit
535

Homogeneity and Transmitter Amplitude	
Variable	[V]
Transmitter Amplitude	**455**

Siemens Healthcare Headquarters
Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
siemens.com/healthcare