

Leeds TOR18-FG Phantom Report

OVERALL RESULTS	
<p>PASS</p> <p>ALL TOLERANCES PASSING</p>	<p>ANALYSIS COMPLETE</p>

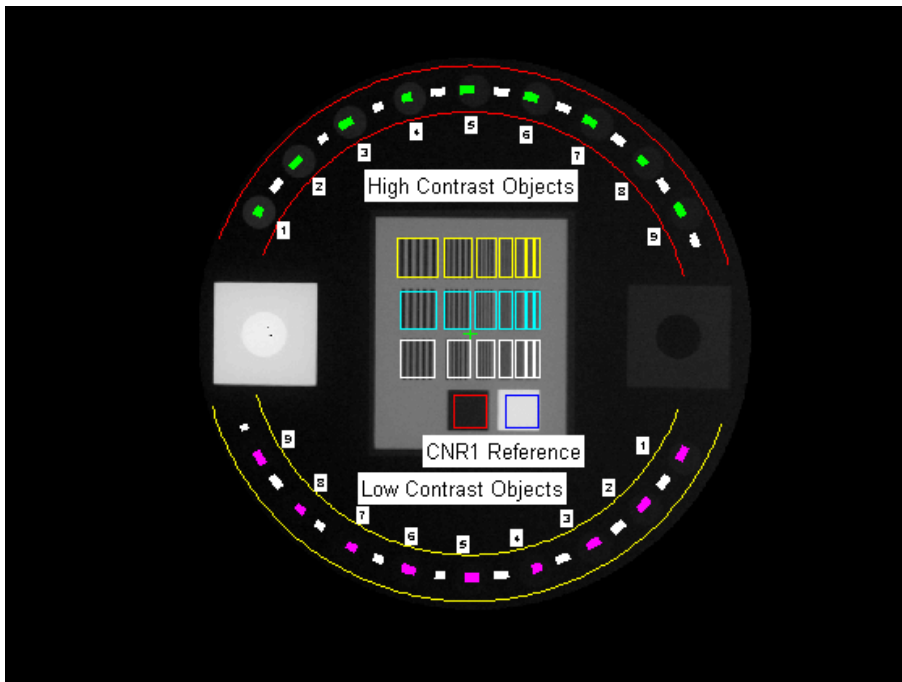
Relative Magnification Factor

Calculated Relative Magnification Factor	1.314
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Image Information

Filename	C:\RIT\RIT113V4\Demo Images\Radia Demo Images\Leeds TOR18\TOR18FG_1.dcm
Institution	
Station	OBIWS
Image Type	ORIGINAL\PRIMARY\PORTAL\OBI
Acquisition Date	
Acquisition Time	
mA	
kVp	
Exposure Time	
SOP Instance UID	1.2.246.352.61.3.4676430977937600923.3574439366611520947

Analysis Image



Contrast to Noise Ratio

Measured CNR	Minimum Nominal	Pass/Fail
73.83	50.00	Pass

Contrast to Noise Ratio High Contrast Objects

Contrast Object	Ratio
1	24.058
2	18.082
3	20.454
4	13.371
5	13.931
6	9.601
7	6.933
8	7.905
9	4.703

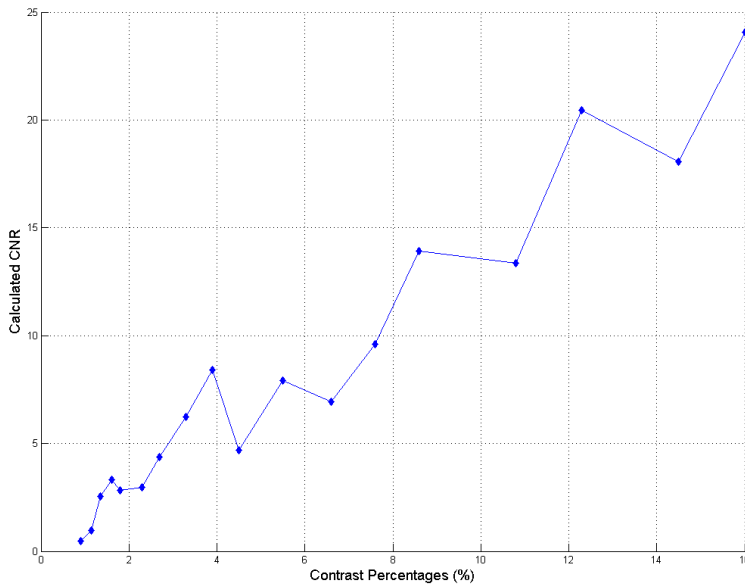
Contrast to Noise Ratio Low Contrast Objects

Contrast Object	Ratio
1	8.407
2	6.249
3	4.354
4	2.979
5	2.824
6	3.322
7	2.559
8	0.963
9	0.484

High and Low Contrast Objects Detected

Contrast Objects	Minimum Nominal	Pass/Fail
14 of 18 objects detected	10	Pass

Contrast Objects Contrast to Noise Ratio



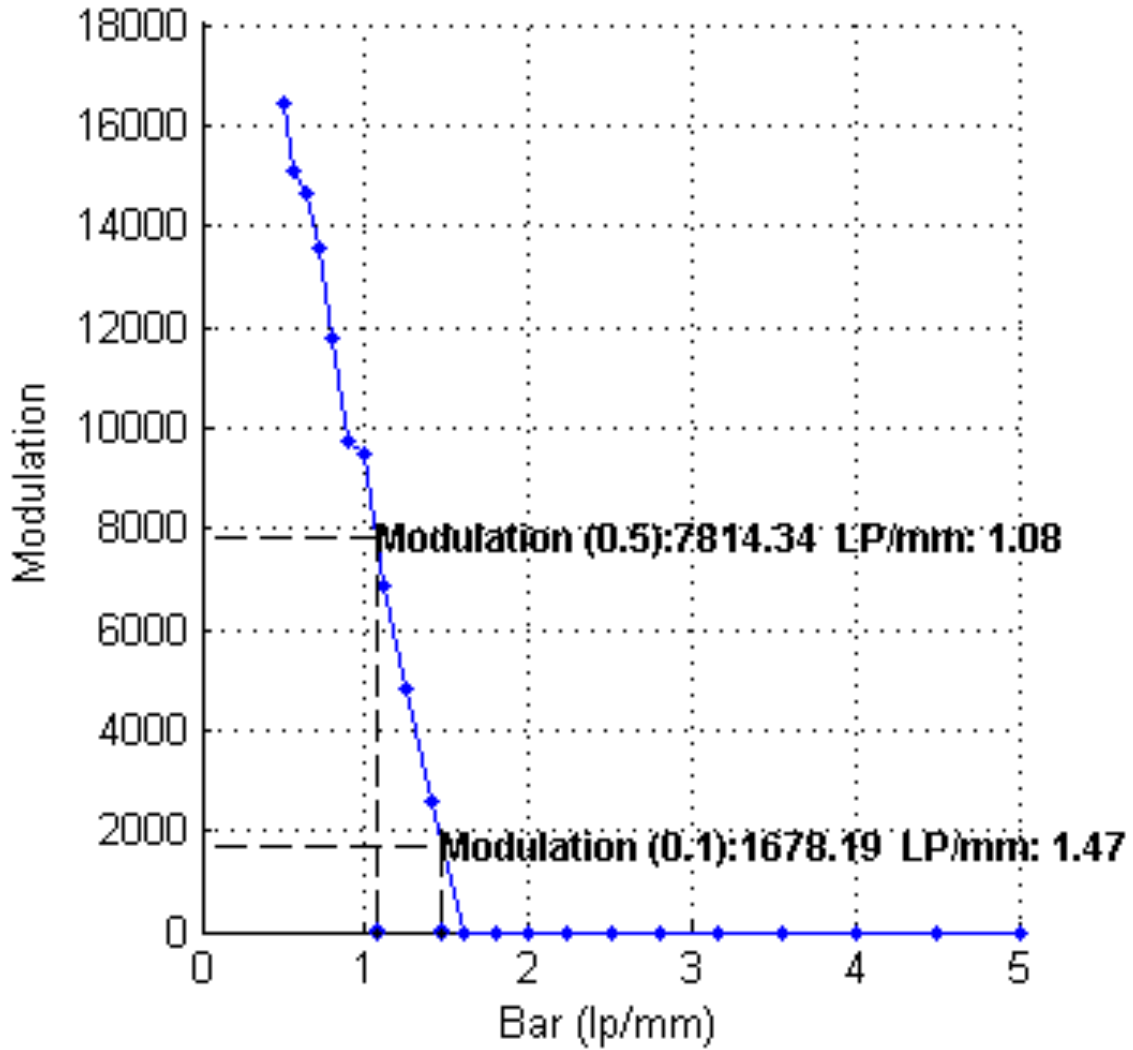
Line Pairs Detected

Spatial Resolution (lp/mm)	Minimum Nominal	Pass/Fail
10 of 21 detected	10	Pass

Modulation

Bar	Modulation	Comments
0.5lp/mm	16406.0	
0.56lp/mm	15117.0	
0.63lp/mm	14661.0	
0.71lp/mm	13589.0	
0.8lp/mm	11768.0	
0.9lp/mm	9727.0	
1lp/mm	9494.0	
1.12lp/mm	6869.0	
1.25lp/mm	4830.0	
1.4lp/mm	2617.0	
1.6lp/mm	0.0	No bars or spaces detected.
1.8lp/mm	0.0	No bars or spaces detected.
2lp/mm	0.0	No bars or spaces detected.
2.24lp/mm	0.0	No bars or spaces detected.
2.5lp/mm	0.0	No bars or spaces detected.
2.8lp/mm	0.0	No bars or spaces detected.
3.15lp/mm	0.0	No bars or spaces detected.
3.55lp/mm	0.0	No bars or spaces detected.
4lp/mm	0.0	No bars or spaces detected.
4.5lp/mm	0.0	No bars or spaces detected.
5lp/mm	0.0	No bars or spaces detected.

Modulation Calculation



Interpolated LP (normalized to 0.5 lp/mm)

Modulation	Interpolated lp/mm
7814.34	1.08
1678.19	1.47

Analysis Settings

Invert Image	1
Magnification	1.314
Minimum Contrast to Noise Value	2.9
Minimum Modulation	10