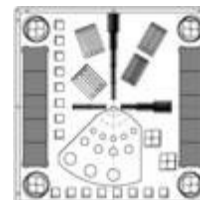


epidSoft - Evaluation of Test Results

Institution: Kaiser-Franz-Josef-SpitalWien
 Device: TrueBeam_1275_06_600_Highres
 File creation Date: 2015-02-25 10:13:30
 File: Q:\PTW\epidSoft\data\TrueBeam_1275_06_600_Highres\2015-02-25 10-13-30
 150120_6_hires_60A045F8.xml

Linearity of Copper Step Wedges

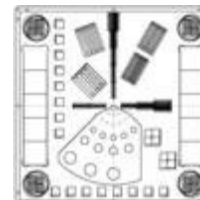
Copper Step Wedge	Gray Level	Dose (rel.)
K0	0%	1.0000
K1	5%	0.9247
K2	10%	0.8619
K3	15%	0.8018
K4	20%	0.7418
K5	25%	0.7101
K6	30%	0.6729
K7	35%	0.6265
K8	40%	0.5834
K9	50%	0.5000



Max. Deviation: 3.93%

Local Dependence of Linearity

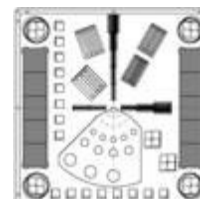
Block/Dose (rel.)	Absorption 10%	Absorption 20%	Absorption 30%	Absorption 40%
Top Left	0.9000	0.7815	0.6943	0.6000
Top Right	0.9000	0.7790	0.6935	0.6000
Bottom Left	0.9000	0.7817	0.6942	0.6000
Bottom Right	0.9000	0.7795	0.6924	0.6000
Mid Upper	0.9000	0.7858	0.6969	0.6000
Mid Lower	0.9000	0.7839	0.6948	0.6000



max. Deviation: 1.82%

Signal-to-Noise Ratio

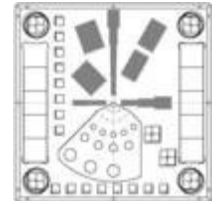
Copper Step Wedge	Gray Level	SNR
K0	0%	262.52
K1	5%	218.88
K2	10%	169.28
K3	15%	128.27
K4	20%	97.17
K5	25%	81.14
K6	30%	69.37
K7	35%	62.44
K8	40%	50.35
K9	50%	41.44



Mean value: 118.09

Modulation Transfer Function

Horizontal		Vertical	
Spatial Frequency [lp/mm]	MTF	Spatial Frequency [lp/mm]	MTF
0.125	1.0000	0.125	1.0000
0.167	0.9277	0.167	0.9277
0.250	0.7904	0.250	0.7904
0.333	0.5825	0.333	0.5825
0.500	0.3996	0.500	0.4189
0.667	0.2460	0.667	0.3083
1.000	0.1359	1.000	0.1651
1.429	0.0620	1.429	0.0884
2.000	0.0000	2.000	0.0000
2.500	0.0000	2.500	0.0000
3.333	0.0000	3.333	0.0000



Low Contrast Resolution

All values: relative difference [%]

	Depth [mm]				
	0,5	1,0	2,0	3,2	4,8
1	0.02	0.07	0.32	1.02	1.13
2	0.24	0.44	1.10	1.91	2.57
Diameter [mm] 4	0.20	0.79	1.56	2.30	3.35
7	0.38	0.91	2.00	2.96	4.23
10	0.44	0.99	1.93	3.10	
15	0.30	1.01	2.15		

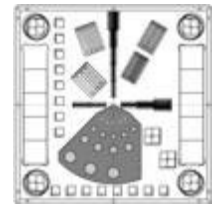
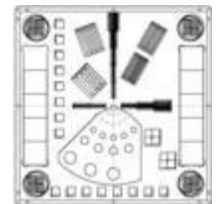


Image Rotation

Image Rotation [°]: 0.10 CCW



(Date, Signature)