



BenQ SW270C

Online Factory Calibration Report

•Model Information

Model Name : SW270C Serial Number: ETN5K00444SL0

• ΔE Measurement Condition

Color Temperature:	6451K
Gamma Curve:	2.205
Color Gamut:	AdobeRGB
Input Signal:	Digital
Measurement Device:	Konica-Minolta CA310

•Uniformity Measurement Condition

Color Temperature:	6451K
Gamma Curve:	2.205
Color Gamut:	AdobeRGB
Gray Level:	255
Measurement Device:	Konica-Minolta CA-2000

•Uniformity Measurement Result

All Uniformity Measurement Ref to Center (#13)

	1	2	3	4	5
Δx	0.0013	0.0002	0.0011	0.0012	0.0010
Δy	0.0015	0.0004	0.0002	0.0005	0.0002
$\Delta u'$	0.0004	0.0000	0.0007	0.0006	0.0006
$\Delta v'$	0.0010	0.0002	0.0003	0.0004	0.0003
	6	7	8	9	10
Δx	0.0007	0.0006	0.0002	0.0006	0.0004
Δy	0.0004	0.0000	0.0005	0.0000	0.0002
$\Delta u'$	0.0003	0.0004	0.0000	0.0004	0.0003
$\Delta v'$	0.0003	0.0001	0.0003	0.0001	0.0000
	11	12	13 (Center)	14	15
Δx	0.0008	0.0009	0.0000	0.0002	0.0008
Δy	0.0012	0.0008	0.0000	0.0004	0.0000
$\Delta u'$	0.0001	0.0003	0.0000	0.0003	0.0005
$\Delta v'$	0.0007	0.0006	0.0000	0.0002	0.0001
	16	17	18	19	20
Δx	0.0002	0.0000	0.0000	0.0003	0.0006
Δy	0.0001	0.0006	0.0004	0.0003	0.0001
$\Delta u'$	0.0002	0.0002	0.0001	0.0001	0.0004
$\Delta v'$	0.0000	0.0003	0.0002	0.0002	0.0000
	21	22	23	24	25
Δx	0.0003	0.0001	0.0002	0.0001	0.0001
Δy	0.0001	0.0000	0.0001	0.0004	0.0006
$\Delta u'$	0.0002	0.0001	0.0002	0.0002	0.0001
$\Delta v'$	0.0000	0.0000	0.0000	0.0002	0.0003

• ΔE Measurement Result

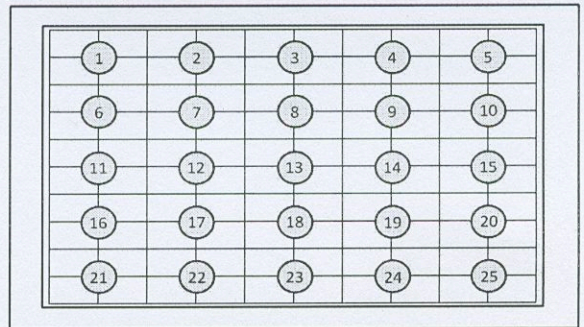
Gamut Boundary Patche:

	R	G	B	W
x	0.6468	0.2121	0.1483	0.3135
y	0.3296	0.7127	0.0569	0.3285
u'	0.4569	0.0762	0.1752	0.1985
v'	0.5240	0.5764	0.1512	0.4682
	C	M	Y	
x	0.1748	0.3499	0.4140	
y	0.3284	0.1898	0.4923	
u'	0.1061	0.3057	0.2050	
v'	0.4484	0.3731	0.5484	

Standard Test Patches (ΔE_{00}):

Avg. ΔE :	0.30	Max. ΔE :	1.36
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•Uniformity Illustration



•Uniformity Measurement Result in L%

1	2	3	4	5
99%	99%	99%	99%	99%
6	7	8	9	10
98%	99%	99%	99%	99%
11	12	13	14	15
99%	99%	100%	99%	98%
16	17	18	19	20
99%	99%	99%	99%	99%
21	22	23	24	25
99%	99%	99%	99%	99%

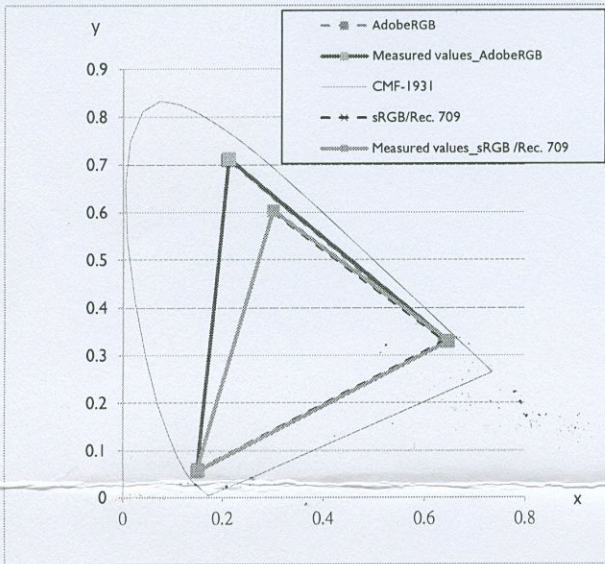
•Uniformity in ΔE_{00} (Digital Input = 255)

1	2	3	4	5
0.87	0.31	0.80	0.77	0.74
6	7	8	9	10
0.57	0.55	0.33	0.57	0.52
11	12	13	14	15
0.69	0.52	0.00	0.52	0.75
16	17	18	19	20
0.35	0.47	0.37	0.26	0.59
21	22	23	24	25
0.40	0.17	0.28	0.39	0.46

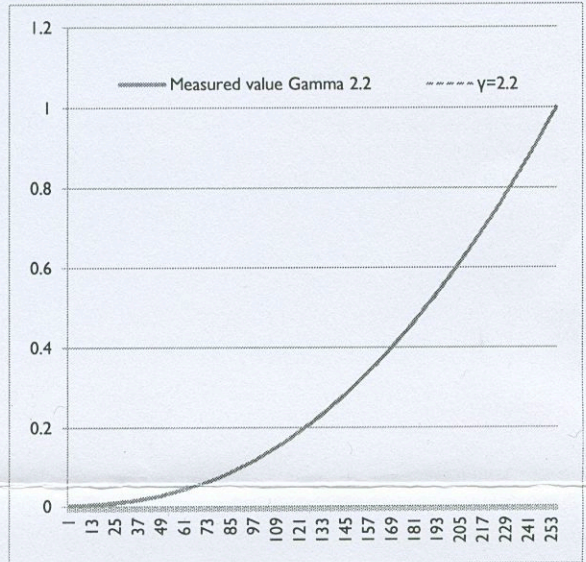


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•Color Gamut



•Color Gamma



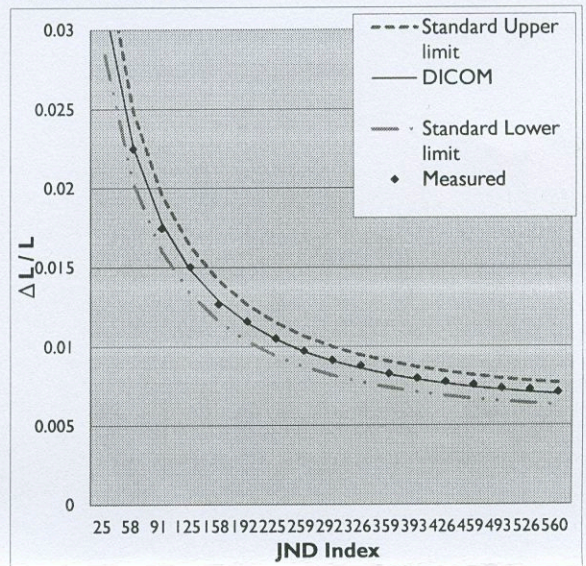
•DICOM Result

Category	Specificitons	Test Result
DICOM	AAPM-TG 18	PASS

Note : AAPM On-Line Report No.03

"Assessment of Display Performance for Medical Imaging Systems"
formulated by Task Group (TG) 18 of American Association of
Physicists in Medicine.

•DICOM Curve Result



This report shows the measurement result at the time of shipment. The result may change depending on the measurement device and measurement condition .
Note that the monitor characteristics may change with secular variation.



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