pc-dmis	PART NAME : PN482497_n_650_5cell_3of3_cells_v01		November 08, 2013	15:56
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

482497 Rev. none
PROJECT X - 650 MHZ
CAVITY - 5 CELL BETA=0.9
BARE CAVITY ASSEMBLY

Inspected by : Robert Riley
Cavity Serial Number : B9A-AES-009
Routing Form Number : 96018
: 1311081319

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HALF-CELLS - CIRCULAR SCANS
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⌖	MM	LOC1 - CIRC_1_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
Y	-414.727	-419.032	-4.305	10.000	10.000	0.000	
X	0.000	-0.033	-0.033	0.250	0.250	0.000	
Z	0.000	-0.134	-0.134	0.250	0.250	0.000	
D	404.820	407.157	2.337	0.050	0.000	2.287	
RN	0.000	0.400	0.400	0.050	0.000	0.350	

⌖	MM	LOC2 - CIRC_1_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
Y	-413.945	-411.699	2.246	10.000	10.000	0.000	
X	0.000	-0.035	-0.035	0.250	0.250	0.000	
Z	0.000	-0.177	-0.177	0.250	0.250	0.000	
D	404.820	407.091	2.271	0.050	0.000	2.221	
RN	0.000	0.366	0.366	0.050	0.000	0.316	

⌖	MM	LOC3 - CIRC_2_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
Y	-208.366	-211.590	-3.224	10.000	10.000	0.000	
X	0.000	-0.116	-0.116	0.250	0.250	0.000	
Z	0.000	-0.046	-0.046	0.250	0.250	0.000	
D	404.820	407.136	2.316	0.050	0.000	2.266	
RN	0.000	0.348	0.348	0.050	0.000	0.298	

⌖	MM	LOC4 - CIRC_2_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
Y	-209.121	-204.182	4.939	10.000	10.000	0.000	
X	0.000	-0.105	-0.105	0.250	0.250	0.000	
Z	0.000	-0.062	-0.062	0.250	0.250	0.000	
D	404.820	407.071	2.251	0.050	0.000	2.201	
RN	0.000	0.384	0.384	0.050	0.000	0.334	

⌖	MM	LOC5 - CIRC_3_OD_MINUS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	-0.585	-3.947	-3.362	10.000	10.000	0.000
X	0.000	0.040	0.040	0.250	0.250	0.000
Z	0.000	-0.087	-0.087	0.250	0.250	0.000
D	404.820	407.135	2.315	0.050	0.000	2.265
RN	0.000	0.625	0.625	0.050	0.000	0.575

⌖	MM	LOC6 - CIRC_3_OD_PLUS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	0.950	3.158	2.208	10.000	10.000	0.000
X	0.000	0.136	0.136	0.250	0.250	0.000
Z	0.000	-0.028	-0.028	0.250	0.250	0.000
D	404.820	407.133	2.313	0.050	0.000	2.263
RN	0.000	0.503	0.503	0.050	0.000	0.453

⌖	MM	LOC7 - CIRC_4_OD_MINUS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	207.188	203.524	-3.665	10.000	10.000	0.000
X	0.000	0.430	0.430	0.250	0.250	0.180
Z	0.000	-0.018	-0.018	0.250	0.250	0.000
D	404.820	407.113	2.293	0.050	0.000	2.243
RN	0.000	0.354	0.354	0.050	0.000	0.304

⌖	MM	LOC8 - CIRC_4_OD_PLUS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	208.787	211.088	2.300	10.000	10.000	0.000
X	0.000	0.427	0.427	0.250	0.250	0.177
Z	0.000	-0.013	-0.013	0.250	0.250	0.000
D	404.820	407.095	2.275	0.050	0.000	2.225
RN	0.000	0.394	0.394	0.050	0.000	0.344

⌖	MM	LOC9 - CIRC_5_OD_MINUS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	414.329	411.467	-2.863	10.000	10.000	0.000
X	0.000	0.244	0.244	0.250	0.250	0.000
Z	0.000	-0.004	-0.004	0.250	0.250	0.000
D	404.820	407.082	2.262	0.050	0.000	2.212
RN	0.000	0.326	0.326	0.050	0.000	0.276

⌖	MM	LOC10 - CIRC_5_OD_PLUS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
Y	416.116	418.776	2.660	10.000	10.000	0.000
X	0.000	0.191	0.191	0.250	0.250	0.000
Z	0.000	0.027	0.027	0.250	0.250	0.000
D	404.820	407.027	2.207	0.050	0.000	2.157
RN	0.000	0.339	0.339	0.050	0.000	0.289

	MM	LOC11 - CIRC_DD_FP				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.002	0.002	0.250	0.250	0.000
Z	0.000	0.015	0.015	0.250	0.250	0.000
D	141.357	141.040	-0.317	0.050	0.000	0.317
RN	0.000	0.024	0.024	0.050	0.000	0.000

	MM	LOC12 - CIRC_DD_MC				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	-0.002	-0.002	0.250	0.250	0.000
Z	0.000	0.001	0.001	0.250	0.250	0.000
D	141.358	141.084	-0.274	0.050	0.000	0.274
RN	0.000	0.015	0.015	0.050	0.000	0.000

	MM	LOC13 - CIRC_TR_FP				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.019	0.019	0.250	0.250	0.000
Z	0.000	0.019	0.019	0.250	0.250	0.000
D	341.600	341.614	0.014	0.050	0.000	0.000
RN	0.000	0.019	0.019	0.050	0.000	0.000

	MM	LOC14 - CIRC_TR_MC				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	0.000	0.074	0.074	0.250	0.250	0.000
Z	0.000	0.048	0.048	0.250	0.250	0.000
D	341.600	341.613	0.013	0.050	0.000	0.000
RN	0.000	0.014	0.014	0.050	0.000	0.000

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HALF-CELLS - POSITION

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	MM	LOC15 - CIRC_1_OD_MINUS						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS	
X	0.000	-0.033	-0.033					
Z	0.000	-0.134	-0.134					
DF	404.813	407.157	2.344	0.500	0.500	1.844	0.000	
TP	RFS	0.276	0.276	0.500		0.000	0.000	

	MM	LOC16 - CIRC_1_OD_PLUS						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS	
X	0.000	-0.035	-0.035					
Z	0.000	-0.177	-0.177					
DF	404.822	407.091	2.269	0.500	0.500	1.769	0.000	
TP	RFS	0.360	0.360	0.500		0.000	0.000	

	MM	LOC17 - CIRC_2_OD_MINUS						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS	
X	0.000	-0.116	-0.116					
Z	0.000	-0.046	-0.046					
DF	404.820	407.136	2.316	0.500	0.500	1.816	0.000	
TP	RFS	0.249	0.249	0.500		0.000	0.000	

⌖	MM	LOC18 - CIRC_2_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	-0.105	-0.105				
Z	0.000	-0.062	-0.062				
DF	404.820	407.071	2.251	0.500	0.500	1.751	0.000
TP	RFS	0.244	0.244	0.500		0.000	0.000

⌖	MM	LOC19 - CIRC_3_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.040	0.040				
Z	0.000	-0.087	-0.087				
DF	404.819	407.135	2.316	0.500	0.500	1.816	0.000
TP	RFS	0.191	0.191	0.500		0.000	0.000

⌖	MM	LOC20 - CIRC_3_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.136	0.136				
Z	0.000	-0.028	-0.028				
DF	404.822	407.133	2.311	0.500	0.500	1.811	0.000
TP	RFS	0.278	0.278	0.500		0.000	0.000

⌖	MM	LOC21 - CIRC_4_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.430	0.430				
Z	0.000	-0.018	-0.018				
DF	404.820	407.113	2.292	0.500	0.500	1.792	0.000
TP	RFS	0.862	0.862	0.500		0.362	0.000

⌖	MM	LOC22 - CIRC_4_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.427	0.427				
Z	0.000	-0.013	-0.013				
DF	404.822	407.095	2.273	0.500	0.500	1.773	0.000
TP	RFS	0.853	0.853	0.500		0.353	0.000

⌖	MM	LOC23 - CIRC_5_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.244	0.244				
Z	0.000	-0.004	-0.004				
DF	404.815	407.082	2.267	0.500	0.500	1.767	0.000
TP	RFS	0.489	0.489	0.500		0.000	0.000

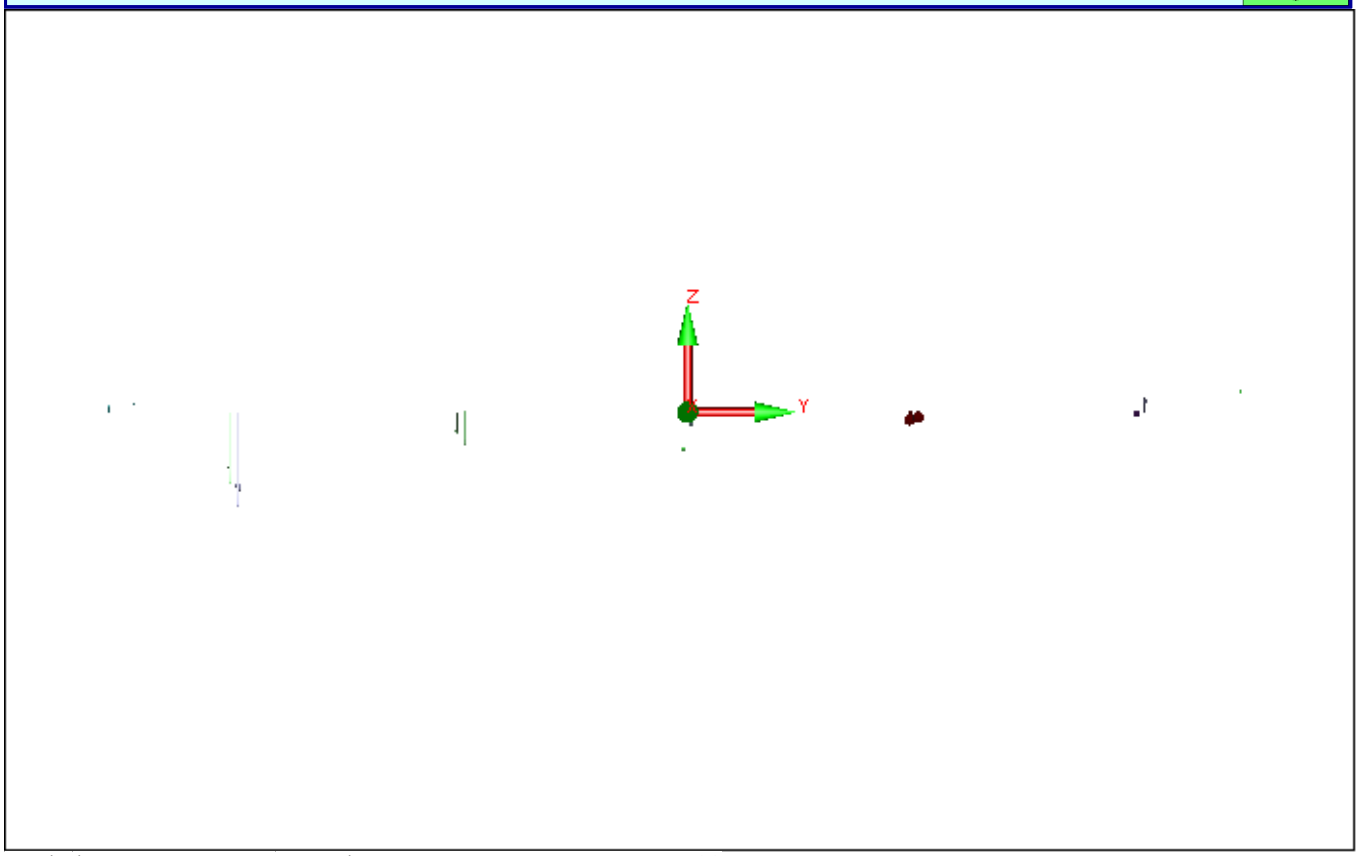
⌖	MM	LOC24 - CIRC_5_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.191	0.191				
Z	0.000	0.027	0.027				
DF	404.821	407.027	2.206	0.500	0.500	1.706	0.000
TP	RFS	0.385	0.385	0.500		0.000	0.000

⌖	MM	LOC25 - CIRC_DD_FP					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.002	0.002				
Z	0.000	0.015	0.015				
DF	141.357	141.040	-0.317	0.500	0.500	0.000	0.000
TP	RFS	0.031	0.031	0.500		0.000	0.000

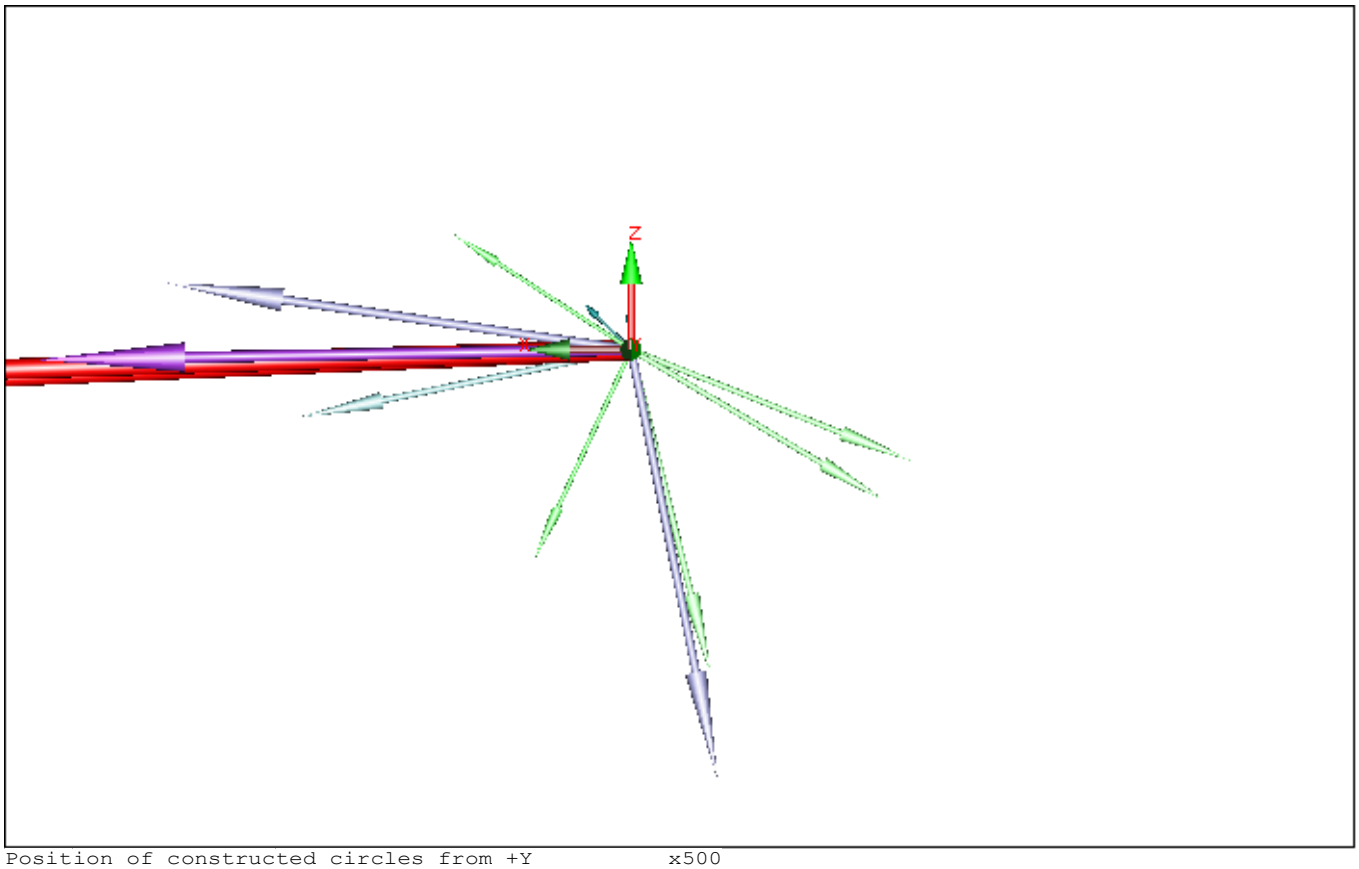
⌖	MM	LOC26 - CIRC_DD_MC					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	-0.002	-0.002				
Z	0.000	0.001	0.001				
DF	141.358	141.084	-0.274	0.500	0.500	0.000	0.000
TP	RFS	0.005	0.005	0.500		0.000	0.000

⌖	MM	LOC27 - CIRC_TR_FP					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.019	0.019				
Z	0.000	0.019	0.019				
DF	341.600	341.614	0.014	0.500	0.500	0.000	0.000
TP	RFS	0.053	0.053	0.500		0.000	0.000

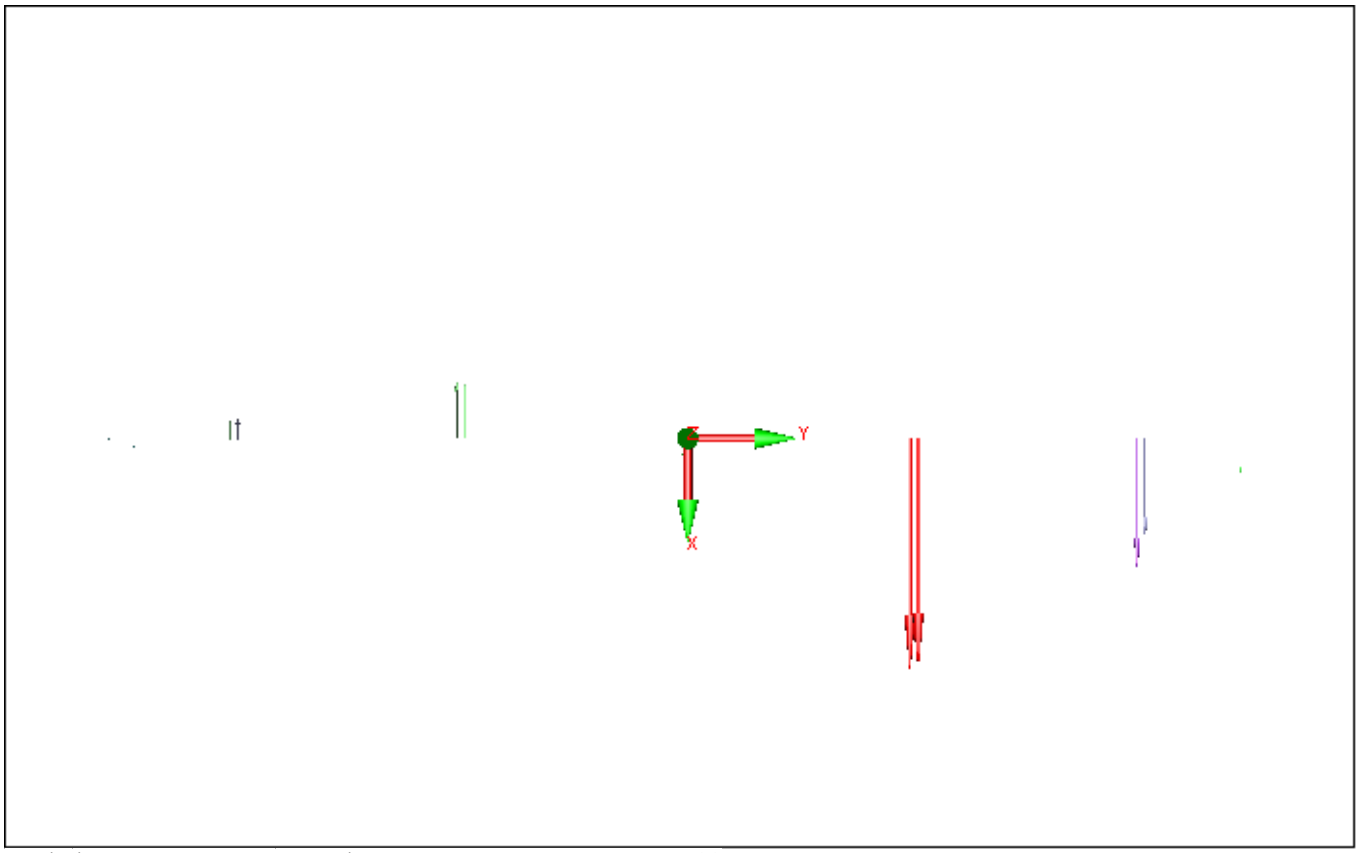
⌖	MM	LOC28 - CIRC_TR_MC					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
X	0.000	0.074	0.074				
Z	0.000	0.048	0.048				
DF	341.600	341.613	0.013	0.500	0.500	0.000	0.000
TP	RFS	0.175	0.175	0.500		0.000	0.000



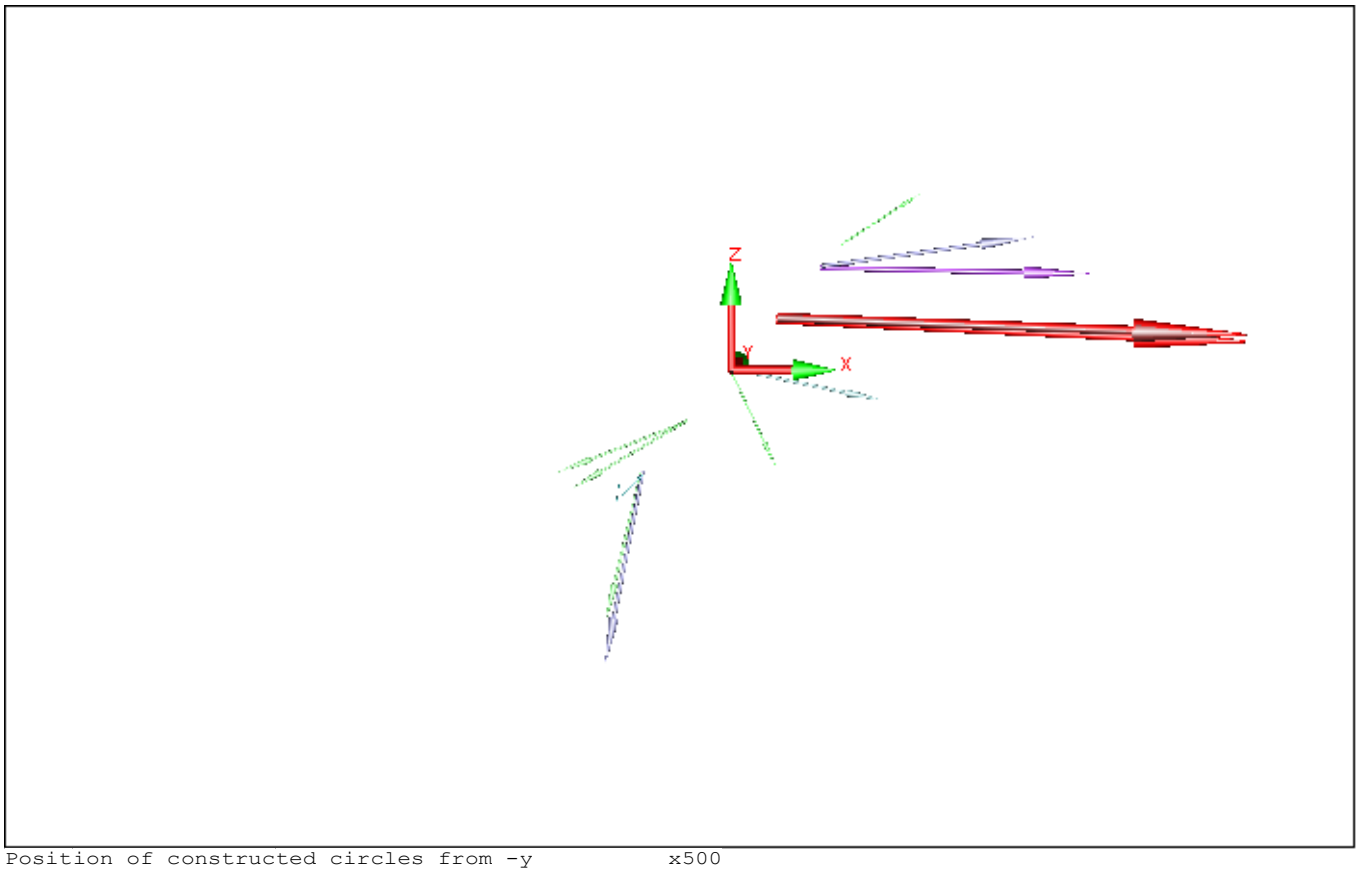
Position of constructed circles from +X x500



Position of constructed circles from +Y x500



Position of constructed circles from +Z x500



Position of constructed circles from -y x500

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CIRCULARITY

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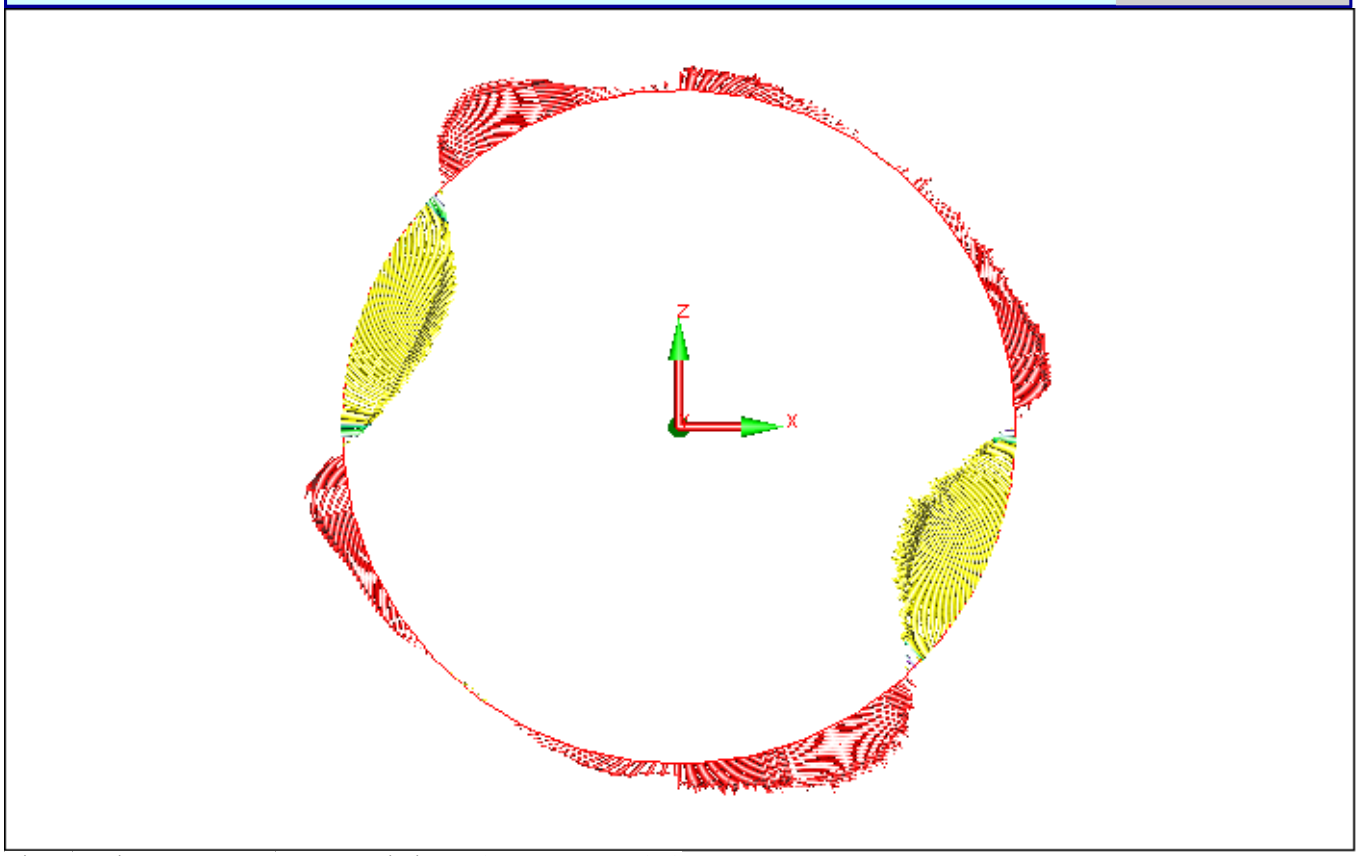
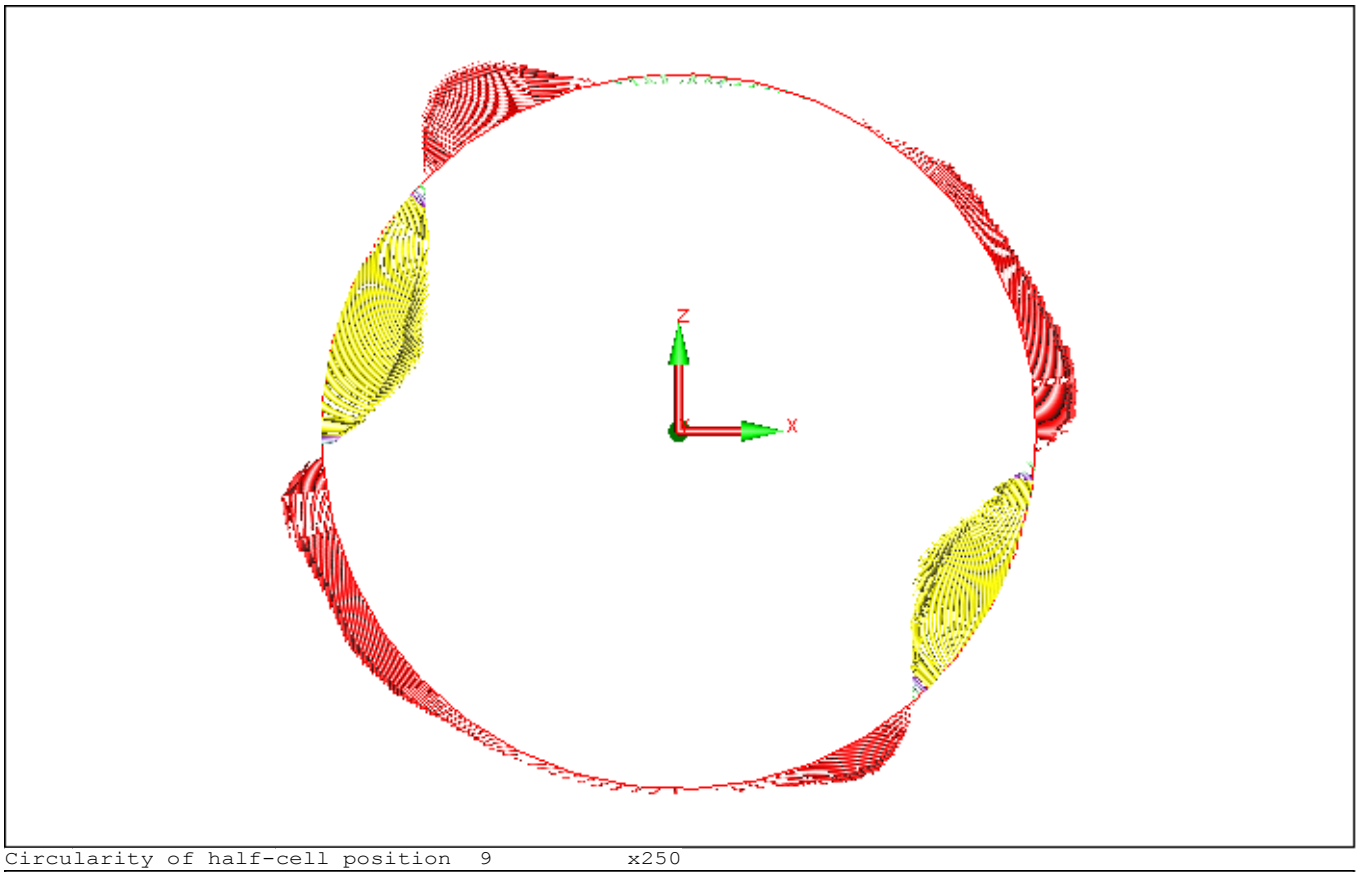
○	MM	CIRTY_10 - CIRC_1_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.400	0.400	0.050	0.000	0.350	
○	MM	CIRTY_09 - CIRC_1_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.366	0.366	0.050	0.000	0.316	
○	MM	CIRTY_08 - CIRC_2_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.348	0.348	0.050	0.000	0.298	
○	MM	CIRTY_07 - CIRC_2_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.384	0.384	0.050	0.000	0.334	
○	MM	CIRTY_06 - CIRC_3_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.625	0.625	0.050	0.000	0.575	
○	MM	CIRTY_05 - CIRC_3_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.503	0.503	0.050	0.000	0.453	
○	MM	CIRTY_04 - CIRC_4_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.354	0.354	0.050	0.000	0.304	
○	MM	CIRTY_03 - CIRC_4_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.394	0.394	0.050	0.000	0.344	

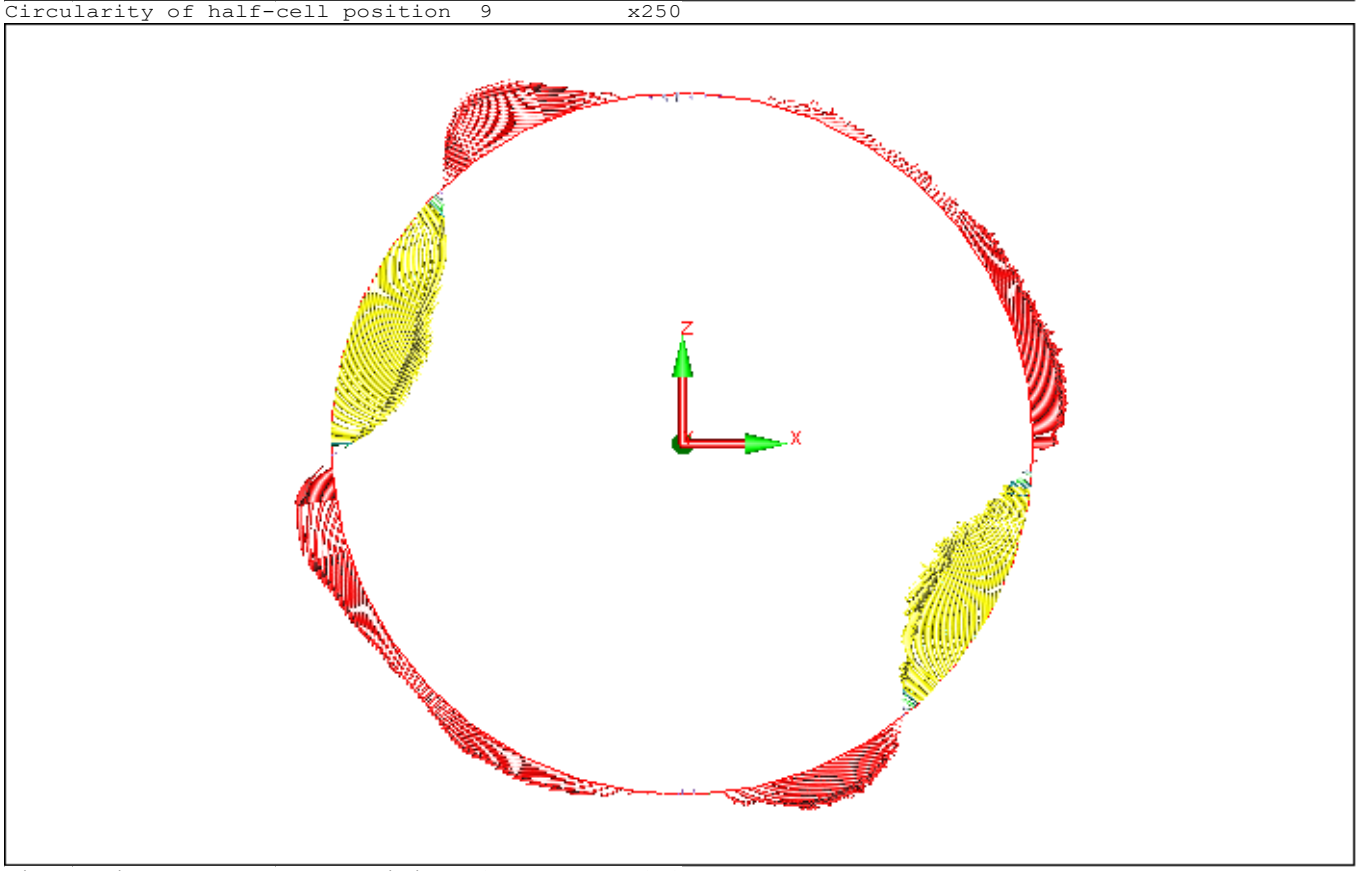
○	MM	CIRTY_02 - CIRC_5_OD_MINUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.326	0.326	0.050	0.000	0.276	
○	MM	CIRTY_01 - CIRC_5_OD_PLUS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.339	0.339	0.050	0.000	0.289	
○	MM	CIRTY_DD_FP - CIRC_DD_FP					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.024	0.024	0.050	0.000	0.000	
○	MM	CIRTY_DD_MC - CIRC_DD_MC					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.015	0.015	0.050	0.000	0.000	
○	MM	CIRTY_TR_FP - CIRC_TR_FP					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.019	0.019	0.050	0.000	0.000	
○	MM	CIRTY_TR_MC - CIRC_TR_MC					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0.000	0.014	0.014	0.050	0.000	0.000	



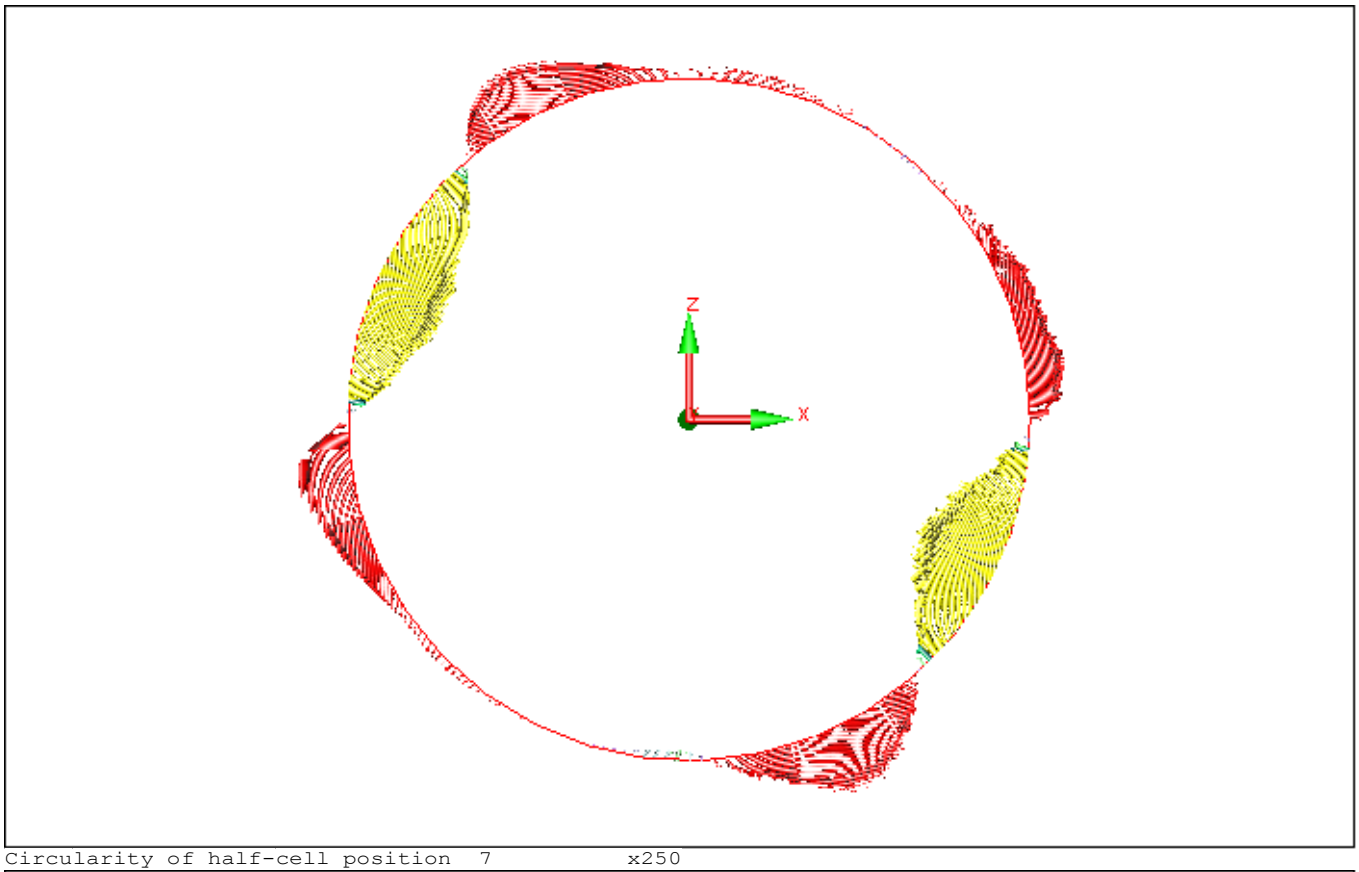
Circularity of half-cell position 10 x250



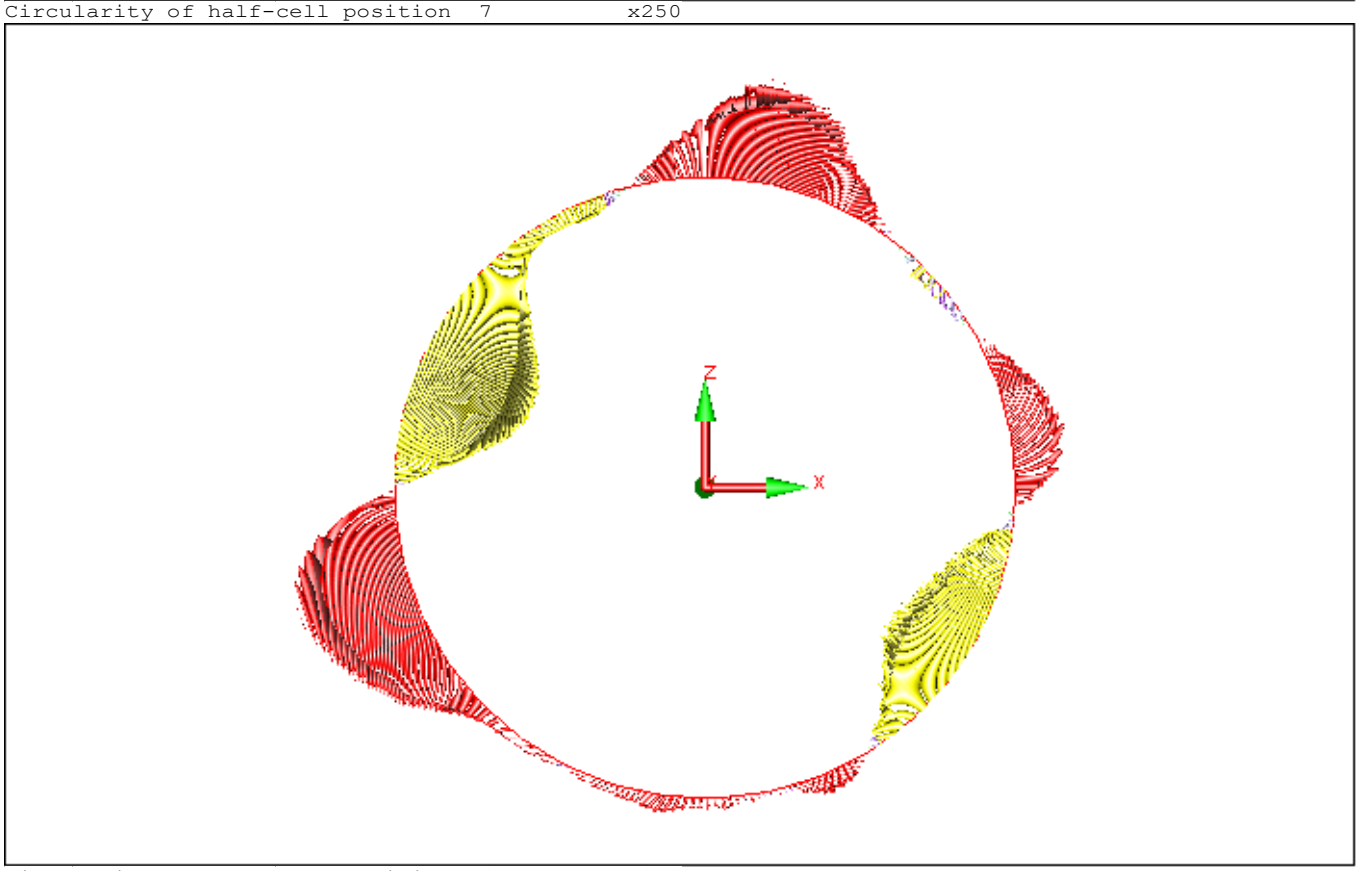
Circularity of half-cell position 9 x250



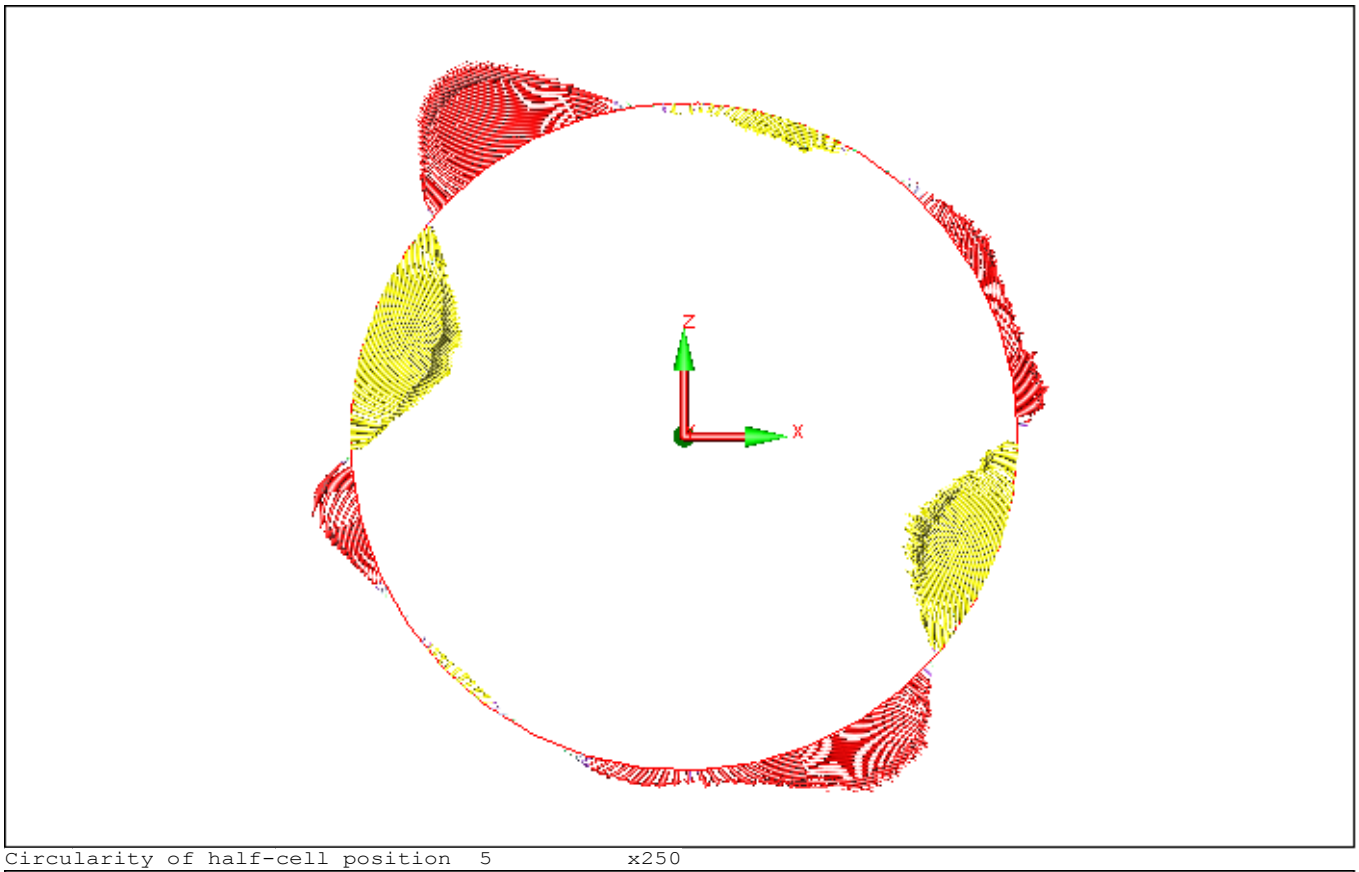
Circularity of half-cell position 8 x250



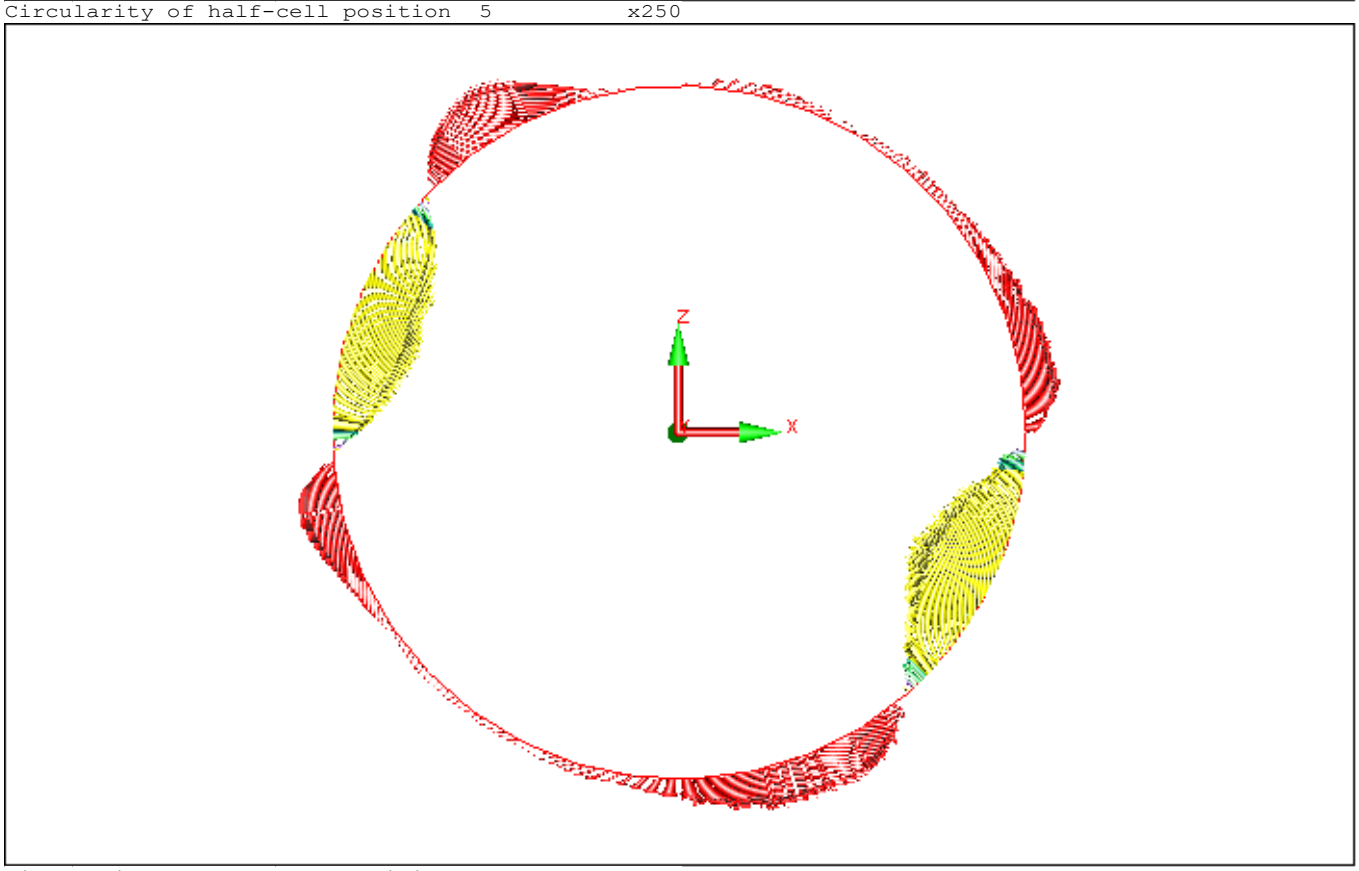
Circularity of half-cell position 7 x250



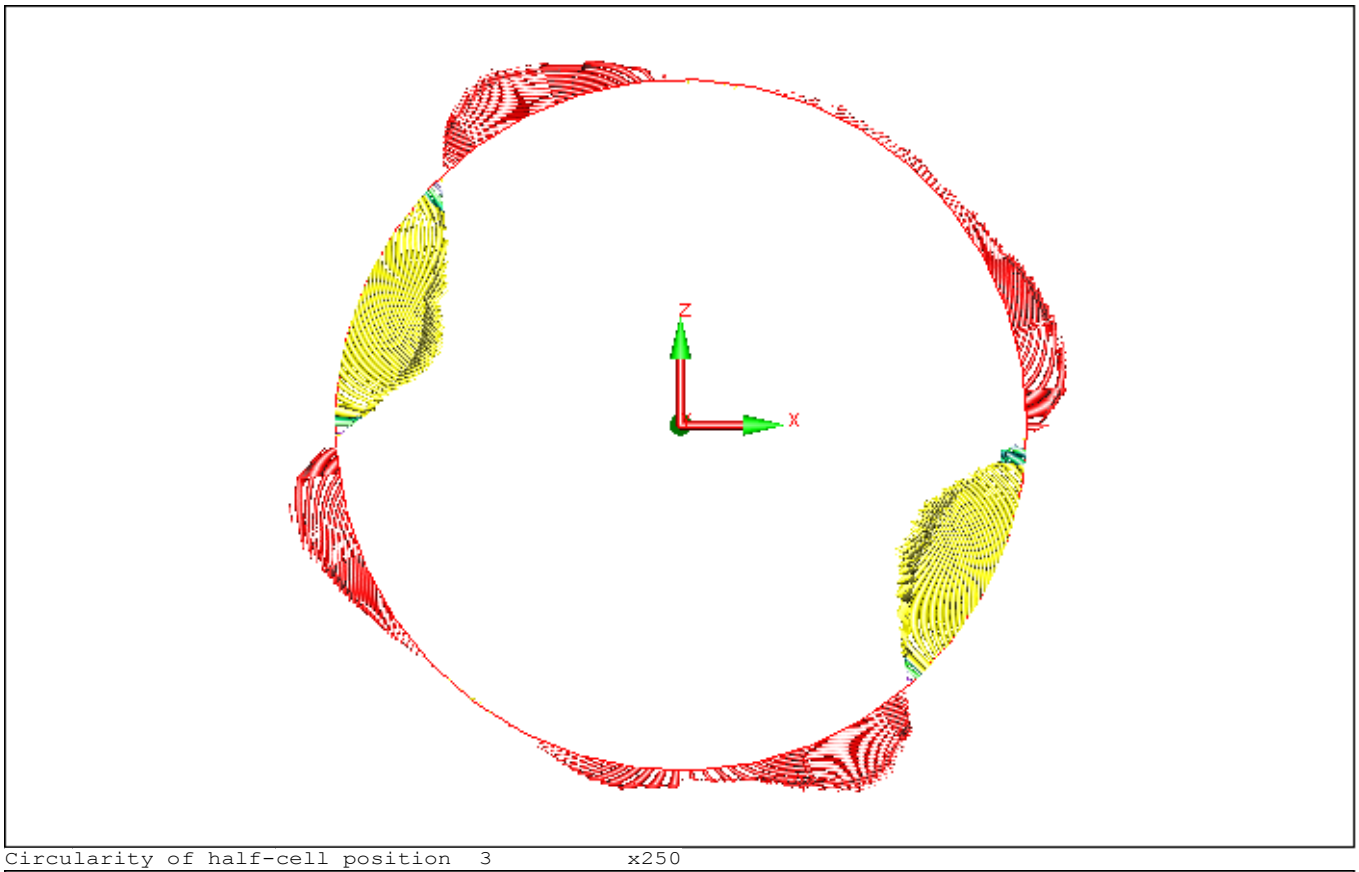
Circularity of half-cell position 6 x250



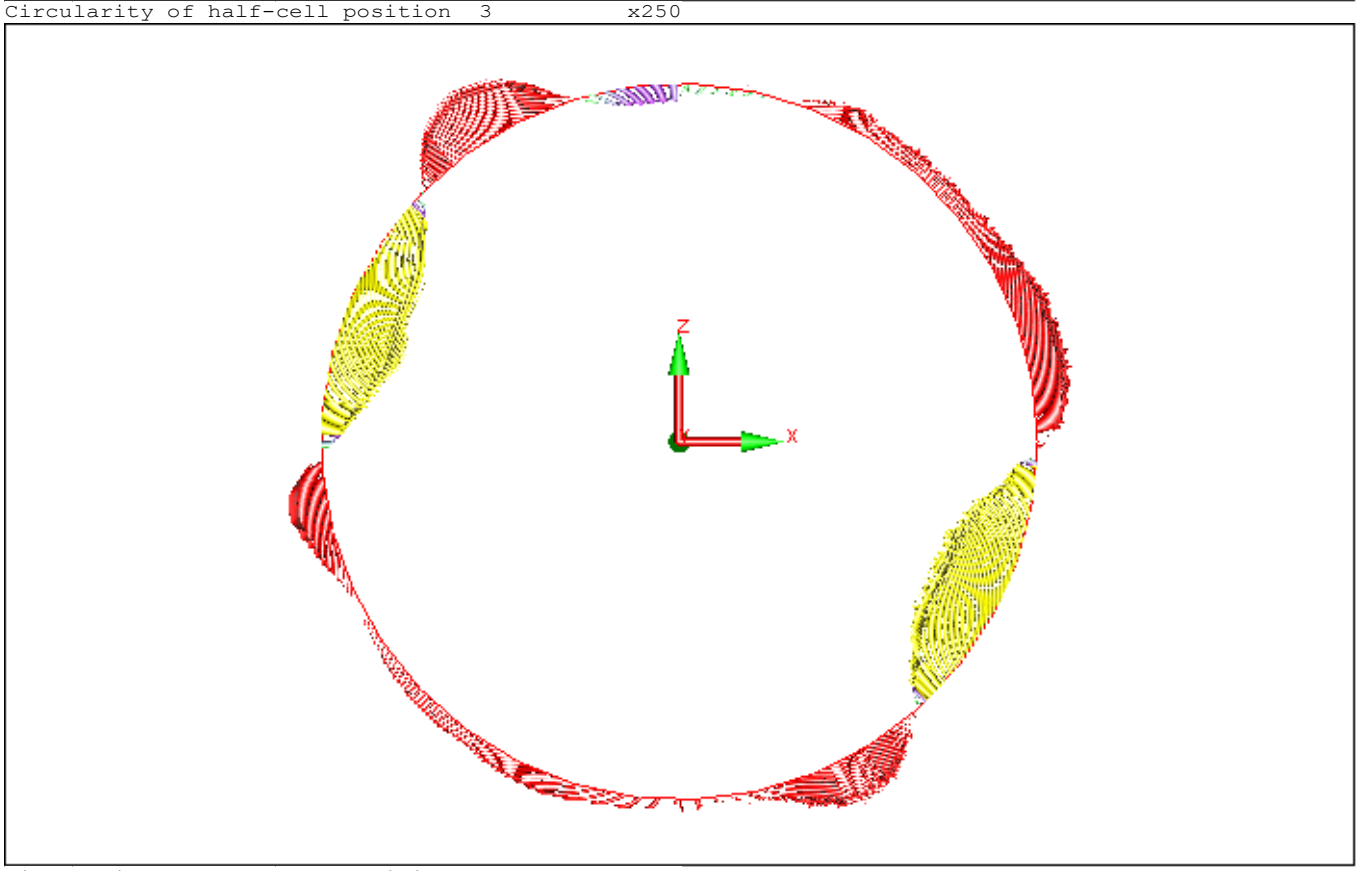
Circularity of half-cell position 5 x250



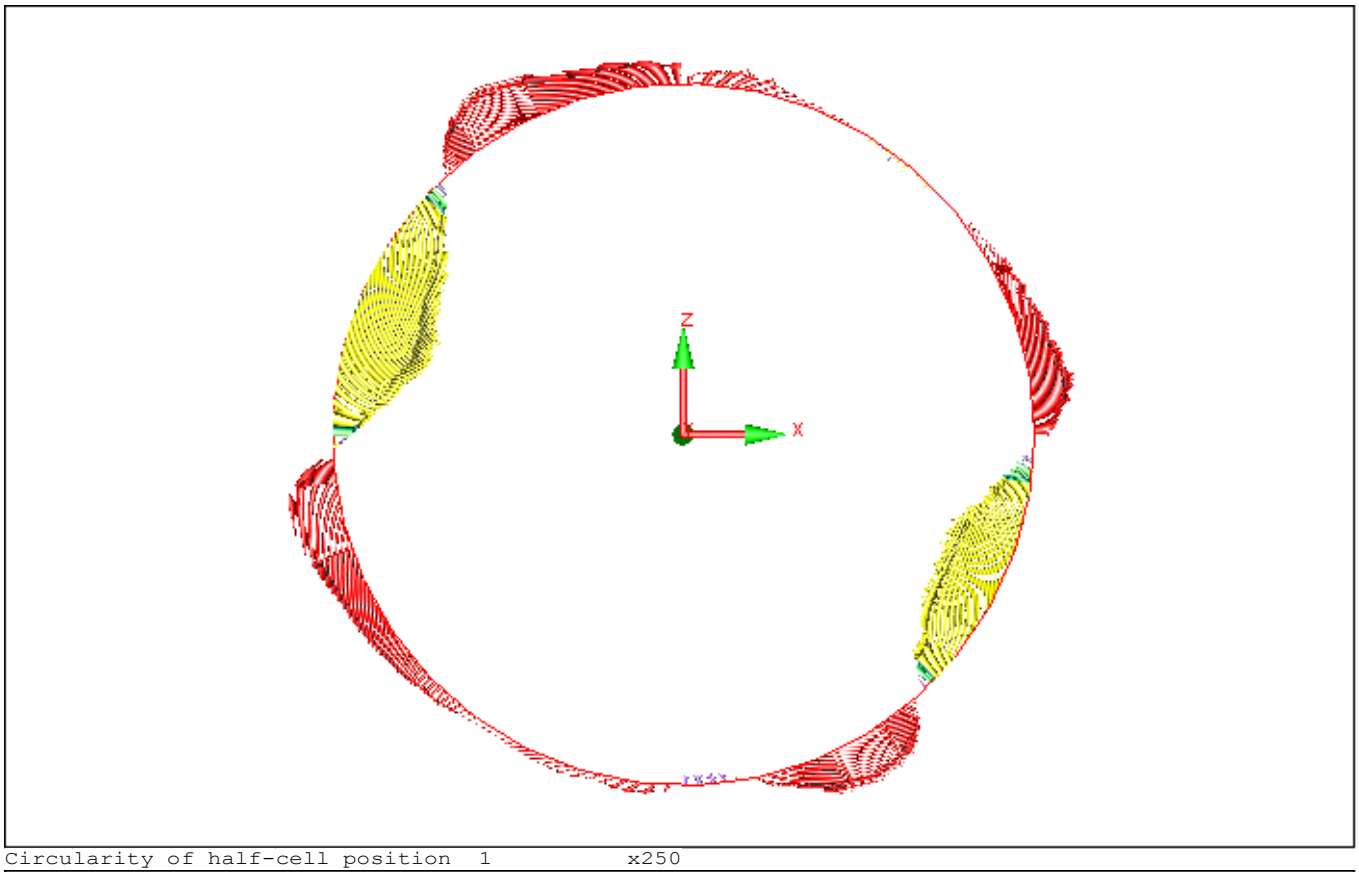
Circularity of half-cell position 4 x250



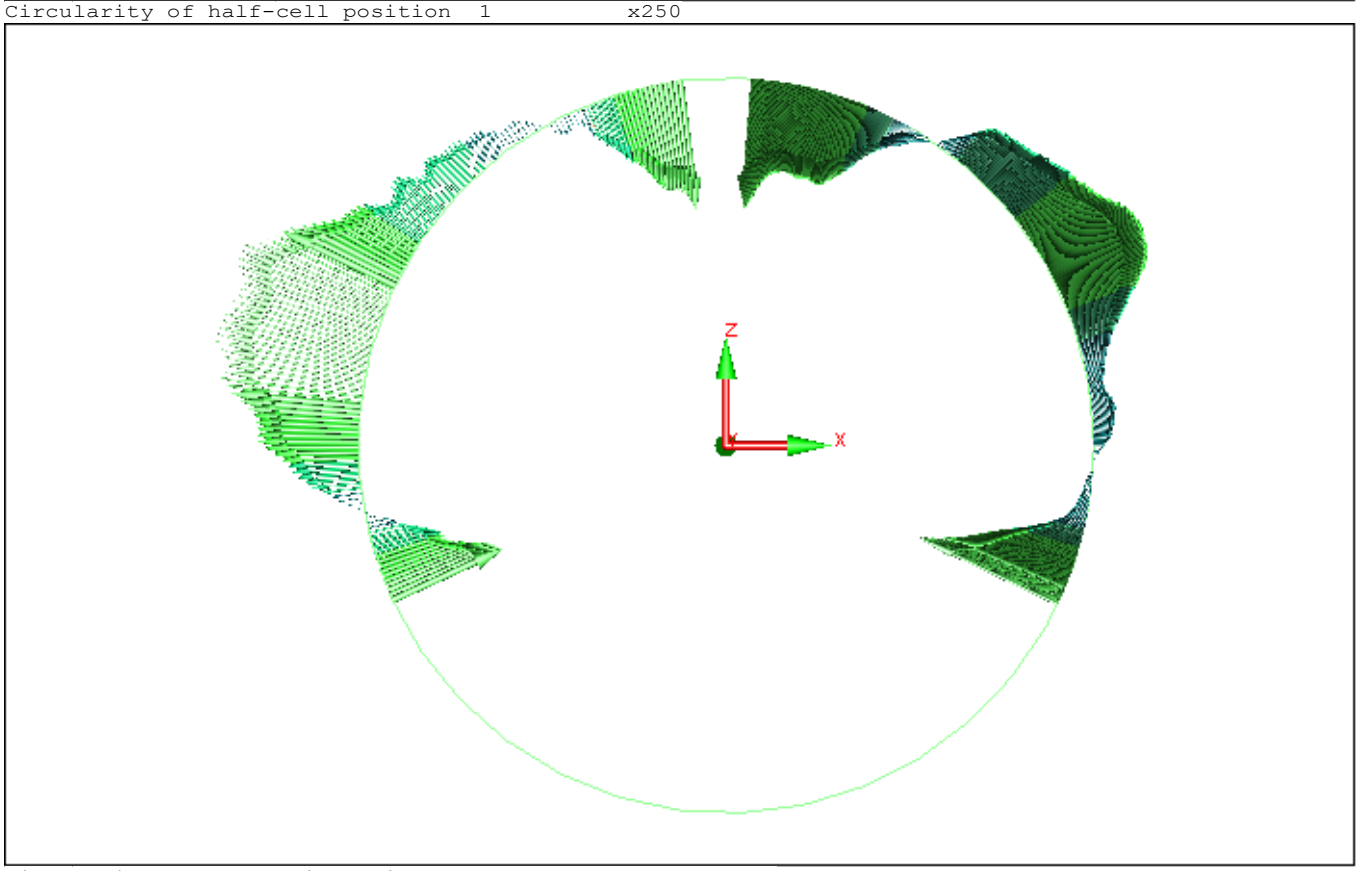
Circularity of half-cell position 3 x250



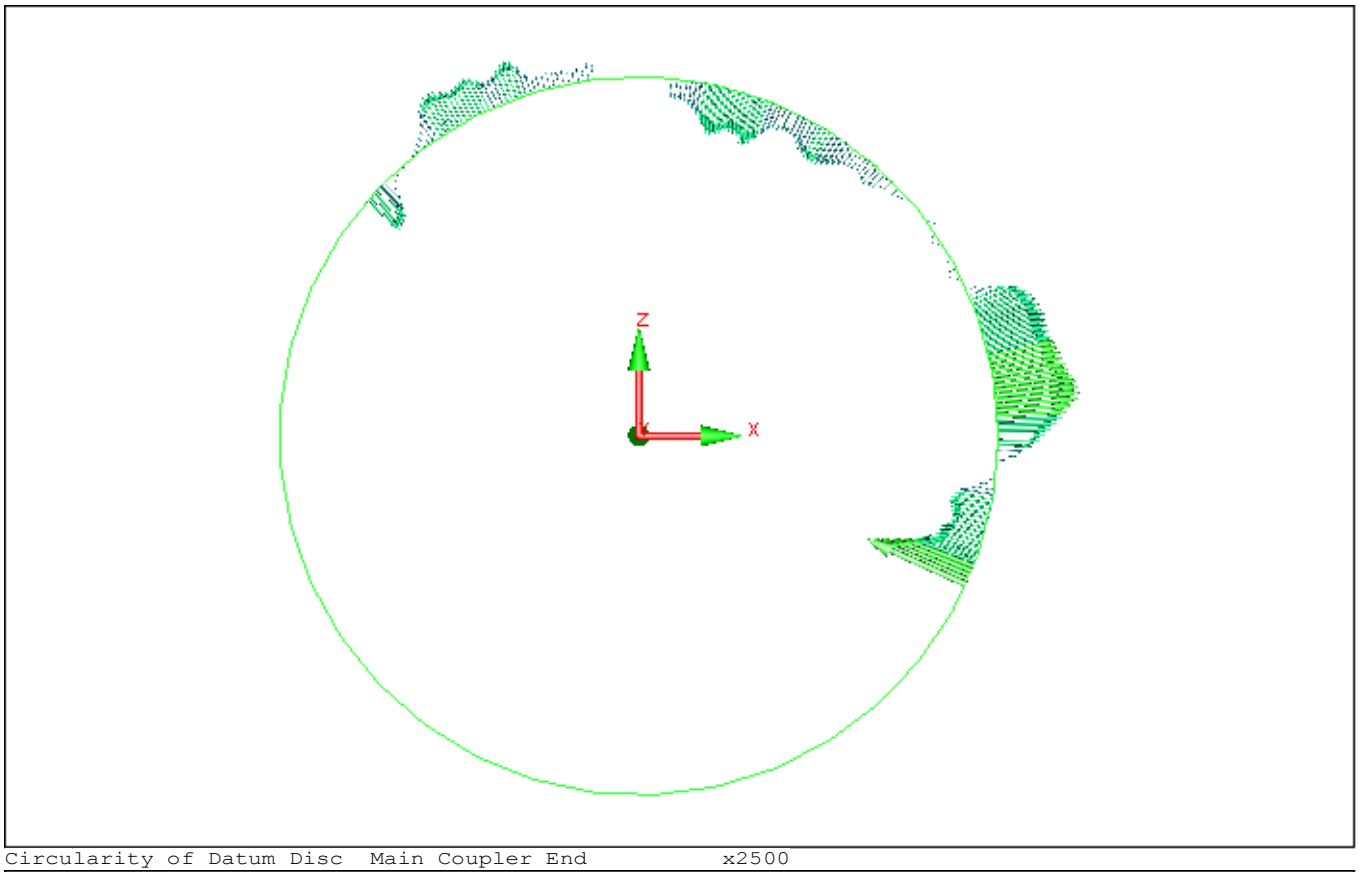
Circularity of half-cell position 2 x250



Circularity of half-cell position 1 x250

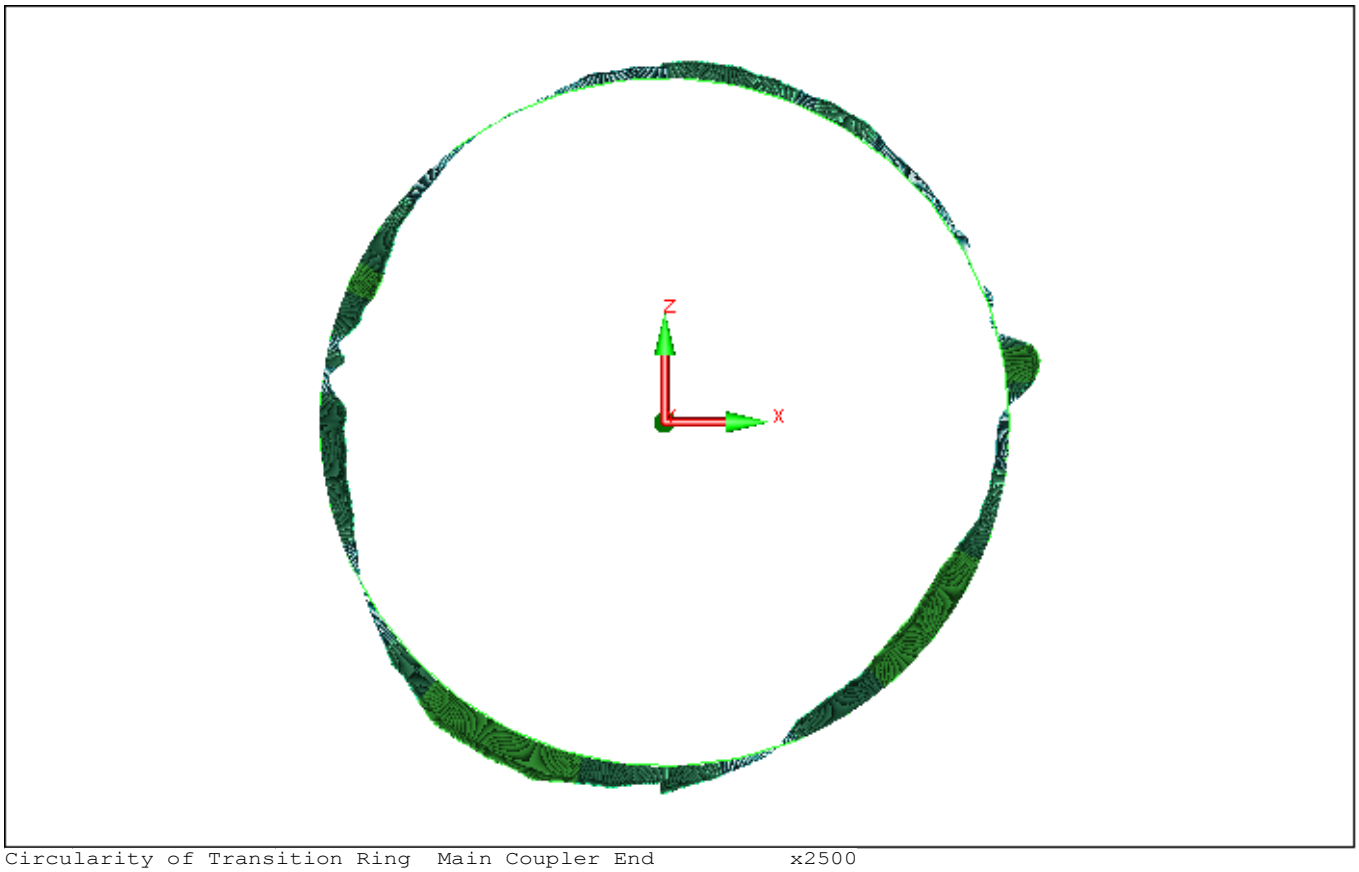


Circularity of Datum Disc Field Probe End x2500



Circularity of Datum Disc Main Coupler End x2500

Circularity of Transition Ring Field Probe End x2500



Circularity of Transition Ring Main Coupler End x2500

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POINTS ON TRANSITION RINGS & DISTANCES BETWEEN THEM

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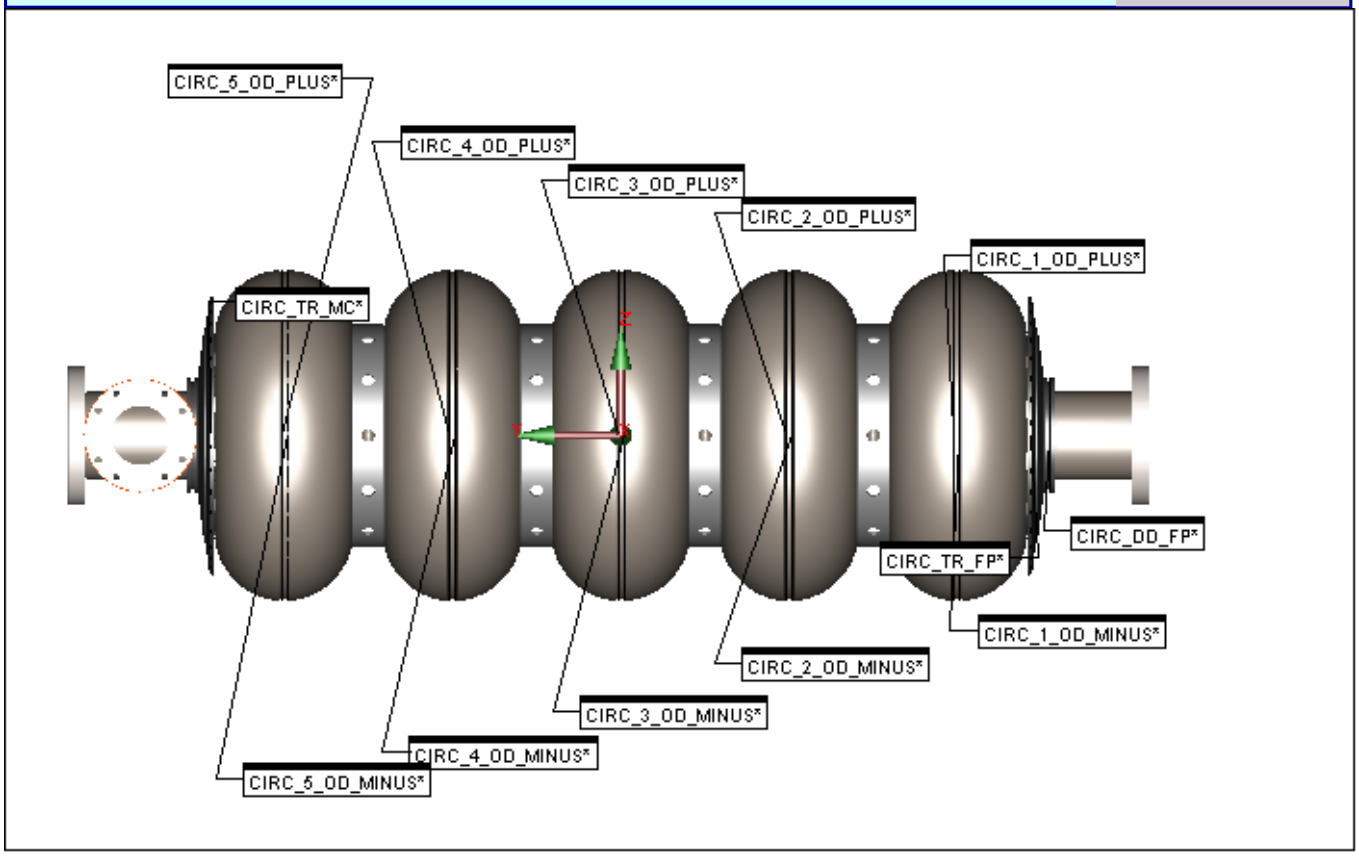
⌖	MM	LOC29 - PLNC_TR_FP					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
Y	-504.000	-503.184	0.816	1.500	1.500	0.000	
FL	0.000	0.165	0.165	0.200	0.000	0.000	
⌖	MM	LOC30 - PLNC_TR_MC					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
Y	504.000	503.016	-0.984	1.500	1.500	0.000	
FL	0.000	0.129	0.129	0.200	0.000	0.000	
↔	MM	DIST1 - PLNC_TR_FP TO PLNC_TR_MC (YAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	1008.000	1006.201	-1.799	1.500	1.500	0.299	
↔	MM	DIST_270 - PNT_TR_FP_1 TO PNT_TR_MC_1 (YAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	1008.000	1006.092	-1.908	1.500	1.500	0.408	
↔	MM	DIST_315 - PNT_TR_FP_2 TO PNT_TR_MC_2 (YAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	1008.000	1006.426	-1.574	1.500	1.500	0.074	
↔	MM	DIST_000 - PNT_TR_FP_3 TO PNT_TR_MC_3 (YAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	1008.000	1006.619	-1.381	1.500	1.500	0.000	
↔	MM	DIST_045 - PNT_TR_FP_4 TO PNT_TR_MC_4 (YAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	1008.000	1006.775	-1.225	1.500	1.500	0.000	

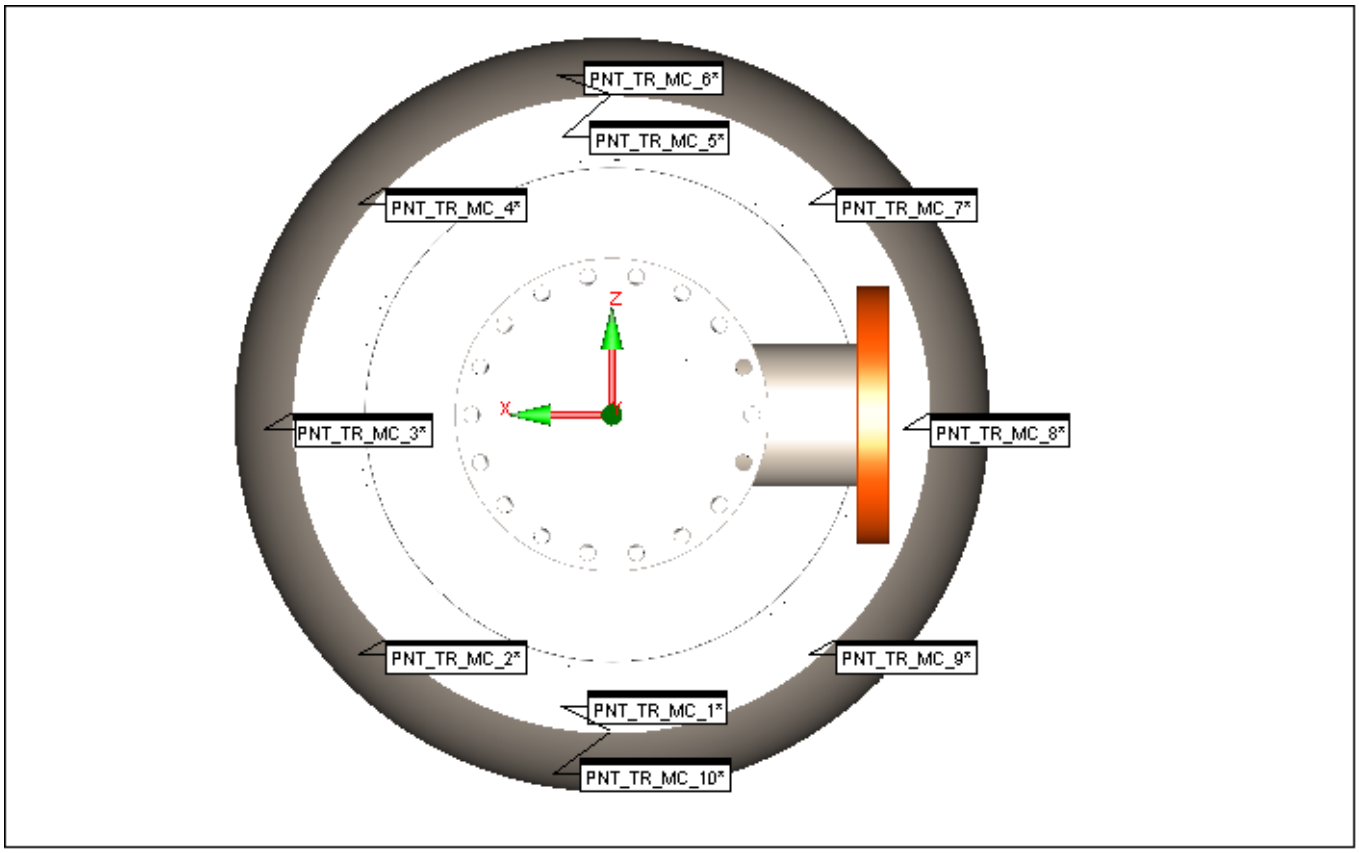
↔	MM	DIST_090 - PNT_TR_FP_6 TO PNT_TR_MC_6 (YAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1008.000	1006.575	-1.425	1.500	1.500	0.000

↔	MM	DIST_135 - PNT_TR_FP_7 TO PNT_TR_MC_7 (YAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1008.000	1005.959	-2.041	1.500	1.500	0.541

↔	MM	DIST_180 - PNT_TR_FP_8 TO PNT_TR_MC_8 (YAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1008.000	1005.512	-2.488	1.500	1.500	0.988

↔	MM	DIST_225 - PNT_TR_FP_9 TO PNT_TR_MC_9 (YAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1008.000	1005.646	-2.354	1.500	1.500	0.854




PNT_TR_MC_6*
PNT_TR_MC_5*
PNT_TR_MC_4*
PNT_TR_MC_7*
Z
X
PNT_TR_MC_3*
PNT_TR_MC_8*
PNT_TR_MC_2*
PNT_TR_MC_9*
PNT_TR_MC_1*
PNT_TR_MC_10*